



General Instructions

- (i) The examination was conducted in Computer-Based Test (CBT) mode.
- (ii) The total marks for this Question Paper is 100.
- (iii) Each correct answer carries +1 mark and for every incorrect answer -0.25 marks is deducted.
- (iv) The question paper is divided into 5 sections.
- (v) Duration of the exam is 2 hour (120 minutes).

1. Choose the most appropriate Synonym of the word 'conspicuous' from those given:

- (A) Expensive
- (B) Noticeable
- (C) Belittling
- (D) Superficial

Correct Answer: (B) Noticeable

Solution:

Concept:

Vocabulary assessment requires understanding the exact semantic definition and connotations of the given word.

A synonym is a word or phrase that means exactly or nearly the same as another word in the same language.

Step 1: Understanding the Target Word:

The word 'conspicuous' is an adjective derived from the Latin root *conspicere*, meaning "to look at closely" or "observe".

In contemporary English, 'conspicuous' describes something that attracts attention because it is striking, prominent, easily seen, or obvious to the eye or mind.

For example: "The neon sign was conspicuous in the darkness."

Step 2: Analyzing the Given Options:

Option (A) 'Expensive' means costing a lot of money or high in price, which refers to monetary value rather than visibility.

Option (B) 'Noticeable' refers to something that is easily seen, observed, or detected, perfectly matching the primary definition of 'conspicuous'.

Option (C) 'Belittling' is an adjective describing actions or words that make someone or something seem small, unimportant, or inadequate.

Option (D) 'Superficial' means appearing only on the surface, shallow, or lacking depth, which is unrelated to being prominent.

Step 3: Contextual Application and Elimination:

When an element stands out clearly, it is termed conspicuous or noticeable.

Since 'noticeable' directly conveys the state of being readily discerned or visible, it is the precise synonym.

Final Answer:

Therefore, the most appropriate synonym is **(B) Noticeable**.

Quick Tip: Remember the Latin root *spec-* or *spic-*, which relates to vision and seeing (e.g., inspect, spectacle, conspicuous).

This root almost always points toward words associated with sight, visibility, or observation.

2. Choose the most appropriate Synonym of the word 'allay' from those given:

- (A) Arouse
- (B) Assuage
- (C) Assault
- (D) Agreeable

Correct Answer: (B) Assuage

Solution:

Concept:

Synonym questions test the examinee's depth of vocabulary and ability to identify nuance in tone, degree, and usage among verbs.

Identifying the core semantic meaning helps eliminate unrelated options.

Step 1: Understanding the Target Word:

The verb 'allay' comes from Old English *ālegan*, meaning to put down, lighten, relieve, or calm. In modern usage, to 'allay' means to diminish, soothe, pacify, or put at rest fears, suspicions, pain, or anxieties.

For example: "The manager's statement helped to allay public concerns about safety."

Step 2: Analyzing the Options:

Option (A) 'Arouse' means to awaken, evoke, or stir up emotions, which is an antonym rather than a synonym.

Option (B) 'Assuage' means to make an unpleasant feeling less intense, or to soothe, satisfy, or relieve pain and anxiety.

Option (C) 'Assault' means to make a physical attack or strike violently against something.

Option (D) 'Agreeable' is an adjective meaning pleasant, suitable, or willing to agree, differing both in grammatical form and meaning.

Step 3: Evaluating Semantic Equivalence:

Both 'allay' and 'assuage' are commonly used with emotional objects like fear, guilt, suspicion, or pain.

Thus, 'assuage' matches 'allay' in both semantic meaning and syntactical context.

Final Answer:

Therefore, the most appropriate synonym is **(B) Assuage**.

Quick Tip: Group verbs that mean "to calm, soothe, or reduce": *allay, assuage, alleviate, appease, mitigate, pacify, mollify*.

Studying these tone-reducing verbs together helps tackle synonym and antonym sections effectively.

3. Choose the most appropriate Antonym of the underlined word from those given:

The designer was lax about the training of the team.

- (A) Soft
- (B) Lenient
- (C) Casual
- (D) Strict

Correct Answer: (D) Strict

Solution:**Concept:**

Antonyms are words that express meanings opposite to the designated target word.

Contextual clues within the sentence clarify the exact sense in which the word is employed.

Step 1: Understanding the Underlined Word in Context:

In the given sentence, "The designer was lax about the training of the team," the word 'lax' functions as an adjective.

It means not sufficiently strict, careless, negligent, or loose in standards and discipline.

Step 2: Analyzing the Given Options:

Option (A) 'Soft' implies gentle, yielding, or unrigorous, which shares a similar tone to lax.

Option (B) 'Lenient' means permissive, tolerant, or merciful; it serves as a close synonym to

lax.

Option (C) 'Casual' indicates an unconcerned or informal attitude, aligning closely in meaning with lax.

Option (D) 'Strict' means demanding that rules concerning behaviour or standards are strictly observed, rigorous, and exacting.

Step 3: Determining the Direct Antonym:

The direct opposite of an attitude that lacks discipline, rigor, or enforcement (lax) is one that demands absolute discipline and adherence (strict).

Thus, 'strict' perfectly counters 'lax' in the given operational context.

Final Answer:

Therefore, the correct antonym is **(D) Strict**.

Quick Tip: When an adjective describes a level of discipline or control (like lax, lenient, permissive), look for words denoting rigor or firm control (strict, stringent, rigorous) as its direct antonym.

4. Choose the most appropriate Antonym of the word 'vindictive' from those given:

- (A) Insane
- (B) Forgiving
- (C) Inflexible
- (D) Agreeable

Correct Answer: (B) Forgiving

Solution:

Concept:

Antonym identification depends on recognizing the core emotional attitude expressed by a

word and selecting the term that represents the polar opposite stance.

Step 1: Understanding the Target Word:

The word 'vindictive' originates from the Latin *vindicta*, meaning "vengeance".

An individual who is vindictive harbours a strong, unforgiving, or malicious desire for revenge, often seeking to punish someone for perceived wrongs.

Step 2: Analyzing the Given Options:

Option (A) 'Insane' means suffering from serious mental illness or showing severe irrationality, which is unrelated to the concept of revenge.

Option (B) 'Forgiving' describes a person who lets go of resentment, excuses faults, pardons wrongdoings, and does not harbor spite.

Option (C) 'Inflexible' means unwilling to bend, compromise, or alter one's perspective, representing rigidity rather than a direct moral opposite.

Option (D) 'Agreeable' means pleasant, enjoyable, or compliant, which is broad and not a specific opposite to vengeful conduct.

Step 3: Establishing the Direct Polarity:

The fundamental quality of being vindictive is the inability or refusal to let go of a grudge.

Conversely, 'forgiving' directly describes the moral capacity to pardon injuries and abandon all thoughts of revenge.

Final Answer:

Therefore, the most appropriate antonym is **(B) Forgiving**.

Quick Tip: Contrast the root essence: *Vindictive* = vengeful, unforgiving, spiteful.

Its exact opposite is *Forgiving, magnanimous, clement, or merciful*.

5. Fill in the blanks in the following sentence with the most appropriate pair of words from the options given:

There was an _____ between the tailor and the designer on account of the _____ of the

costume.

- (A) attraction, alteration
- (B) alteration, altercation
- (C) alternative, altercation
- (D) altercation, alteration

Correct Answer: (D) altercation, alteration

Solution:

Concept:

This question tests commonly confused words (homophones and near-paronyms) that sound or look similar but have distinct meanings and grammatical roles.

Step 1: Differentiating Confused Words:

The word 'altercation' means a noisy argument, dispute, or heated confrontation.

The word 'alteration' means a change, adjustment, or modification made to something (frequently used in tailoring and clothing contexts).

The word 'alternative' refers to a choice available between two or more mutually exclusive possibilities.

The word 'attraction' denotes the power of drawing someone or something toward oneself.

Step 2: Evaluating the Contextual Requirements:

The first blank follows the indefinite article "an" and describes a situation that occurred between two people ("between the tailor and the designer").

An argument or heated disagreement fits logically between two professionals collaborating on a piece: hence, "altercation".

The second blank explains the reason for this dispute: "on account of the _____ of the costume." In garment design and tailoring, making adjustments to fit or style is termed an "alteration".

Step 3: Verification of Pair Sequence:

Option (D) provides 'altercation' for the first blank and 'alteration' for the second blank, making complete grammatical and logical sense:

"There was an **altercation** between the tailor and the designer on account of the **alteration** of the costume."

Final Answer:

Therefore, the correct pair of words is **(D) altercation, alteration**.

Quick Tip: Note the spellings:

Altercation = dispute / noisy argument (contains 'cat' → fighting).

Alteration = change or tailoring modification (from 'alter' → to change).

6. Which pair contains words that can be classified as homophones? Choose the most appropriate answer from the options given:

- (A) Cell - Sell
- (B) Ball - Bell
- (C) Fan - Fun
- (D) Fall - Full

Correct Answer: (A) Cell - Sell

Solution:

Concept:

A homophone (from the Greek *homos* meaning 'same' and *phone* meaning 'sound') is a word that is pronounced exactly the same as another word but differs in meaning, origin, and usually spelling.

Step 1: Analyzing Option (A):

The word 'Cell' is pronounced /sl/ (referring to a small room, basic biological unit, or battery). The word 'Sell' is also pronounced /sl/ (referring to the exchange of goods or services for money).

Both words have identical phonological pronunciations despite distinct spellings and meanings. Hence, they are true homophones.

Step 2: Analyzing the Other Options:

Option (B) 'Ball' is pronounced /b:l/, whereas 'Bell' is pronounced /bl/. These have different vowel sounds and are minimal pairs, not homophones.

Option (C) 'Fan' is pronounced /fæn/, while 'Fun' is pronounced /fn/. They also differ in vowel quality.

Option (D) 'Fall' is pronounced /f:l/, whereas 'Full' is pronounced /fl/. Their pronunciations are distinct.

Step 3: Conclusion:

Only 'Cell - Sell' shares the identical phonetic transcription /sl/.

Final Answer:

Therefore, the pair of homophones is **(A) Cell - Sell**.

Quick Tip: Distinguish between:

1. **Homophones:** Same sound, different spelling/meaning (e.g., cell/sell, right/write).
2. **Homographs:** Same spelling, different sound/meaning (e.g., lead/lead, tear/tear).
3. **Homonyms:** Same spelling and sound, different meaning (e.g., bat/bat).

7. Choose the most appropriate word for the following from the options given:

A pattern of chain-stitch embroidery.

- (A) Desi work
- (B) Badla work
- (C) Aari work
- (D) Zari work

Correct Answer: (C) Aari work

Solution:

Concept:

This question pertains to Indian traditional textile crafts and terminology relevant to design studies.

Traditional Indian embroideries are characterized by the specific tools, threads, and stitch techniques used.

Step 1: Understanding 'Aari Work':

Aari work is a specialized needlework technique named after the hooked, pen-like needle called 'aar' or 'aari'.

It originated during the Mughal era and is widely practiced in Gujarat, Rajasthan, and Kashmir. The hook draws thread from beneath the tightly stretched fabric on a frame (*khatia*), creating a continuous, fine chain-stitch loop on the top surface.

Therefore, a pattern of chain-stitch embroidery executed with this implement is famously known as Aari work.

Step 2: Analyzing the Other Options:

Option (A) 'Desi work' is a general term denoting indigenous or local craftsmanship, not a specific stitch technique.

Option (B) 'Badla work' involves the use of flattened, thin metallic threads (usually gold or silver wire) pierced through fabric to create geometric patterns, not chain-stitches.

Option (D) 'Zari work' is an umbrella term for embroidery involving metallic gold or silver threads (brocades, zardozi), but does not exclusively denote chain-stitching.

Step 3: Confirmation:

Chain-stitch embroidery is the defining technical feature of Aari work.

Final Answer:

Therefore, the correct answer is **(C) Aari work**.

Quick Tip: For NIFT exams, memorize key traditional Indian embroideries:

- **Aari / Kashida:** Chain-stitch using a hook.
- **Chikankari:** Shadow work, flat and raised stitches (Lucknow).
- **Phulkari:** Darning stitch with silk floss (Punjab).
- **Kantha:** Running stitch on layered fabric (Bengal).

8. Choose the most appropriate word for the following from the options given:

The study of human beings, especially of their origin, development, customs, and beliefs.

- (A) Anthropology
- (B) Philately
- (C) Physiology
- (D) Pathology

Correct Answer: (A) Anthropology

Solution:

Concept:

One-word substitution questions evaluate an examinee's knowledge of specialized branches of science, arts, and humanities based on classical root words.

Step 1: Etymological Breakdown:

The term 'Anthropology' is derived from two Greek words:

Anthropos meaning "human being" or "man", and

Logos meaning "study", "discourse", or "science".

Hence, Anthropology literally translates to the scientific study of humankind.

It encompasses human biology, evolution, cultural systems, societies, linguistics, customs, and beliefs throughout history.

Step 2: Evaluating the Other Disciplines:

Option (B) 'Philately' is the collection and study of postage stamps and postal history.

Option (C) 'Physiology' is the branch of biology dealing with the normal functions of living organisms and their body parts.

Option (D) 'Pathology' is the science of the causes and effects of diseases, especially the branch of medicine dealing with the laboratory examination of body tissues.

Step 3: Verification:

The provided definition—"the study of human beings, especially of their origin, development, customs, and beliefs"—matches Anthropology precisely.

Final Answer:

Therefore, the most appropriate word is **(A) Anthropology**.

Quick Tip: Recognize common Greek/Latin roots:

Anthropos = Human (Anthropology, Philanthropy, Misanthrope).

Pathos = Suffering / Disease (Pathology, Empathy).

Phis = Nature / Body (Physiology, Physics).

9. Choose the most appropriate option which best expresses the meaning of the following idiom/phrase:

While Seema hosted the marriage feast, her father chose to foot the bill.

- (A) arrange the decoration
- (B) arrange the guest list
- (C) arrange to bear the expenses
- (D) arrange to entertain the guests

Correct Answer: (C) arrange to bear the expenses

Solution:

Concept:

Idioms are fixed figurative expressions whose aggregate meaning cannot be derived simply by interpreting their constituent words literally.

Step 1: Origin and Meaning of the Idiom:

The idiom 'to foot the bill' originates from the historical practice of ledger accounting.

In traditional accounting, after recording all items or costs down a page, the accountant would calculate the total sum at the very bottom (the "foot") of the page.

To "foot the bill" came to signify signing one's approval at the bottom and paying or bearing the total cost for the expenses incurred.

Step 2: Contextual Analysis:

In the sentence: "While Seema hosted the marriage feast, her father chose to foot the bill," the father is undertaking financial responsibility for the wedding feast.

This means he agreed to cover or bear all associated monetary charges.

Step 3: Evaluating the Options:

Option (A) 'arrange the decoration' relates to event styling, not financial payment.

Option (B) 'arrange the guest list' deals with hospitality management.

Option (C) 'arrange to bear the expenses' accurately reflects the meaning of paying for the entire bill.

Option (D) 'arrange to entertain the guests' concerns entertainment activities.

Final Answer:

Therefore, the correct meaning is **(C) arrange to bear the expenses**.

Quick Tip: Idiom origin memory aid: An invoice total is written at the "foot" of the page.

Hence, to "foot the bill" strictly means to pay or bear the financial expense of an undertaking.

10. Choose the most appropriate meaning of the underlined idiom in the following sentence from the options given:

When the trainee asked a question about the reliability of the data, the trainer flew off the handle.

- (A) flew away from there
- (B) threw away a handle
- (C) opened the handle and ran away
- (D) lost his temper

Correct Answer: (D) lost his temper

Solution:

Concept:

Idiomatic expressions often rely on mechanical or physical metaphors to convey human emotional reactions.

Step 1: Understanding the Idiom 'Fly Off the Handle':

This idiom dates back to 19th-century America and alludes to the head of an axe becoming loose and suddenly detaching ("flying off") from the wooden handle while in full swing.

Such an event was violent, hazardous, and unpredictable.

Metaphorically, 'to fly off the handle' means to lose one's self-control or burst into a sudden, uncontrolled rage or temper.

Step 2: Contextual Analysis:

In the sentence: "When the trainee asked a question about the reliability of the data, the trainer flew off the handle," the trainer reacted with sudden anger and frustration to an unexpected challenge.

Step 3: Evaluating Options:

Options (A), (B), and (C) are literal interpretations of the words 'flew', 'handle', and 'away'. A cardinal rule of idiomatic evaluation is that idioms rarely retain their literal physical actions. Option (D) 'lost his temper' conveys the established figurative meaning of having an outburst of rage.

Final Answer:

Therefore, the most appropriate meaning is **(D) lost his temper**.

Quick Tip: Beware of literal trap options in idiom questions!

Whenever an idiom contains words like "flew" or "handle", options that involve physical flying, throwing, or opening handles are distractors.

11. Choose the most appropriate option from those given to fill the blank with a word that matches the relation in the first pair.

Trend : Popularity :: Innovation : _____

- (A) Experience
- (B) Novelty
- (C) Technology
- (D) Inspiration

Correct Answer: (B) Novelty

Solution:

Concept:

Analogies test the ability to discern abstract relationships between pairs of words and apply that same relationship to another concept.

Step 1: Analyzing the First Pair (Trend : Popularity):

A 'Trend' by definition is characterized by or leads to widespread acceptance and 'Popularity'. The essential defining attribute or intrinsic quality of a trend is that many people adopt it, giving it popularity.

Alternatively, popularity is the core characteristic that distinguishes a trend from an isolated phenomenon.

Step 2: Establishing the Analogy for Innovation:

An 'Innovation' is the introduction of something new, original, or unprecedented.

Its fundamental, defining characteristic is 'Novelty' (newness, originality, freshness).
Without novelty, an idea or method cannot be considered an innovation.

Step 3: Assessing Other Options:

Option (A) 'Experience' refers to practical contact with or observation of facts or events, not an inherent quality of innovation.

Option (C) 'Technology' is a medium through which some innovations occur, but innovations also happen in art, business, and literature without technology.

Option (D) 'Inspiration' may trigger an innovation, but it is an antecedent cause, not the defining essence of the result itself.

Final Answer:

Therefore, the word matching the relationship is **(B) Novelty**.

Quick Tip: Formulate a precise defining sentence:

"A trend is defined by its *popularity*."

"An innovation is defined by its *novelty*."

This bridge sentence eliminates related but imperfect options like technology.

12. Choose the most appropriate option from those given that explains the meaning of the underlined word in the following sentence:

The fashion designer's latest bewitching collection captured the fleeting spirit of the season.

- (A) boastful
- (B) ephemeral
- (C) malodorous
- (D) mesmerising

Correct Answer: (D) mesmerising

Solution:

Concept:

Contextual vocabulary requires identifying the meaning of a descriptive adjective highlighting aesthetic and sensory qualities in fashion.

Step 1: Analyzing the Word 'Bewitching':

The adjective 'bewitching' originates from the root verb 'bewitch', which historically meant to cast a spell upon someone.

In aesthetic and literary contexts, it means enchanting, captivating, delightfully charming, or spellbinding.

When applied to a design collection, it signifies that the clothes possess an enthralling, fascinating visual appeal.

Step 2: Evaluating the Options:

Option (A) 'Boastful' means excessively proud or bragging about one's achievements.

Option (B) 'Ephemeral' means lasting for a very short time or transient (which corresponds to 'fleeting', another word in the sentence, but not 'bewitching').

Option (C) 'Malodorous' means smelling extremely unpleasant or foul.

Option (D) 'Mesmerising' means capturing one's complete attention as if by magic; hypnotizing, captivating, and spellbinding.

Step 3: Determining the Correct Match:

'Bewitching' and 'mesmerising' both denote holding someone under an enchanting, magical charm.

Hence, 'mesmerising' perfectly explains the meaning of the underlined word.

Final Answer:

Therefore, the correct explanation is **(D) mesmerising**.

Quick Tip: Do not get confused by other prominent words in the sentence.

Notice that "fleeting" in the sentence means "ephemeral", but the question specifically asks for the definition of "bewitching".

Always ensure you are defining the exact underlined word!

13. Choose the most appropriate option from those given to transform the following sentence from the Active Voice to the Passive Voice:

One should keep one's promises.

- (A) Promises should keep by one.
- (B) Promises should kept by one.
- (C) Promises should be kept.
- (D) Promises by one should be kept by one.

Correct Answer: (C) Promises should be kept.

Solution:

Concept:

Voice transformation deals with switching the focus between the agent (doer) and the recipient (object) of an action.

Special grammatical conventions apply when transforming sentences that have indefinite or generic pronouns like 'one', 'somebody', or 'people' as the subject.

Step 1: Analyzing the Active Sentence Structure:

Subject: 'One' (an indefinite, universal pronoun).

Modal Verb: 'should'.

Main Verb: 'keep' (base form).

Object: 'one's promises'.

Step 2: Passive Transformation Rules with Generic Subjects:

When converting a modal sentence into the passive voice, the formula is:

Object + modal + be + Past Participle (V₃)

Furthermore, when the active subject is the indefinite pronoun 'one' referring to anyone in general, the agent phrase ("by one") is superfluous and omitted in standard English grammar. Similarly, the possessive pronoun 'one's' drops out because 'promises' becomes generalized: "Promises should be kept."

Step 3: Evaluating the Options:

Option (A) misses the auxiliary verb 'be' before the verb.

Option (B) misses 'be' and incorrectly uses 'kept' directly after 'should'.

Option (C) follows proper standard passive syntax: "Promises should be kept."

Option (D) is unnecessarily redundant, awkward, and ungrammatical.

Final Answer:

Therefore, the correct passive voice sentence is **(C) Promises should be kept.**

Quick Tip: Standard rule of Active-to-Passive for generic statements:

"One must do one's duty" → "Duty must be done."

"One should keep one's promises" → "Promises should be kept."

The agent "by one" is routinely omitted.

14. Choose the most appropriate option from those given to transform the following sentence to the Passive Voice:

Nowadays, designers commonly dye fabrics and garments in large machines.

- (A) Nowadays, fabric and garments dyed commonly in large machines.
- (B) Nowadays, the fabrics and garments are dyeing in large machines by the designers.
- (C) Nowadays, fabrics and garments are commonly dyed by the designers in large machines.
- (D) Nowadays, fabrics and garments were commonly dyed in large machines.

Correct Answer: (C) Nowadays, fabrics and garments are commonly dyed by the designers in large machines.

Solution:

Concept:

Transforming a sentence in the Simple Present Tense from Active to Passive Voice requires changing the verb form while preserving the tense and adverbial modifiers.

Step 1: Identifying the Elements in the Active Sentence:

Adverbial time marker: "Nowadays"

Subject: "designers" (plural)

Adverb of frequency/manner: "commonly"

Verb: "dye" (Simple Present Tense)

Object: "fabrics and garments" (compound plural object)

Prepositional phrase: "in large machines"

Step 2: Passive Construction for Simple Present Tense:

The rule for transforming Simple Present Tense is:

Object + is/am/are + Past Participle (V_3) + by + Subject

Since the object is compound plural ("fabrics and garments"), the plural auxiliary verb 'are' must be used.

The past participle of 'dye' is 'dyed'.

Placing the adverb appropriately: "are commonly dyed by the designers in large machines."

Step 3: Evaluating the Given Options:

Option (A) omits the essential auxiliary verb 'are'.

Option (B) uses the present continuous form 'are dyeing', altering the original tense and meaning.

Option (C) correctly uses "are commonly dyed by the designers in large machines."

Option (D) incorrectly changes the tense to past tense ('were commonly dyed').

Final Answer:

Therefore, the correct passive voice sentence is **(C) Nowadays, fabrics and garments are commonly dyed by the designers in large machines.**

Quick Tip: Always check that the tense remains consistent when converting voices!

Simple Present ('dye') must become *is/are + dyed*, never *were dyed* (past) or *are dyeing* (continuous).

15. Choose the most appropriate option to transform the following sentence from Indirect to Direct Speech:

He proposed that they should wait for the award.

- (A) He said, "Let me wait for the award."
- (B) He said, "Let them all wait for the award."
- (C) He said, "Let each one wait for the award."
- (D) He said, "Let us wait for the award."

Correct Answer: (D) He said, "Let us wait for the award."

Solution:**Concept:**

Direct and Indirect speech transformations involve reporting proposals or suggestions. The reporting verb 'proposed' or 'suggested' followed by a 'that... should' clause corresponds directly to an imperative beginning with "Let us" (or "Let's") in direct speech.

Step 1: Identifying the Indirect Speech Structure:

Reporting Verb: 'proposed'

Subordinate clause: 'that they should wait for the award'

The pronoun 'they' represents the speaker and his companions together.

Step 2: Grammar Rule for Proposals with "Let us":

In English grammar:

Direct Speech: Subject + said to / said, "Let us + V₁..."

Indirect Speech: Subject + proposed/suggested that they/we should + V₁...

Therefore, to reverse this transformation:

"proposed that they should wait" reconstructs back into: He said, "Let us wait..."

Step 3: Evaluating the Options:

Option (A) "Let me wait" expresses a request for personal permission, reported as "He asked to be allowed to wait."

Option (B) "Let them all wait" refers to a third party waiting, not a collective proposal made to a group that includes the speaker.

Option (C) "Let each one wait" is a distributive directive, not a typical proposal.

Option (D) "Let us wait for the award" represents a collaborative suggestion, transforming directly into "He proposed that they should wait..."

Final Answer:

Therefore, the correct direct speech sentence is **(D) He said, "Let us wait for the award."**

Quick Tip: Remember the standard conversion pair:

"Let us..." ↔ "proposed / suggested that they should..."

This is a standard rule in English Narration questions.

16. Choose the most appropriate option from those given to transform the following sentence from Direct to Indirect Speech.

"Don't work too hard", I said to Joe.

- (A) I told Joe not to work too hard.
- (B) I asked Joe to work not for too hard.
- (C) I told Joe please do not work too hard.
- (D) I requested Joe to stop working too hard.

Correct Answer: (A) I told Joe not to work too hard.

Solution:

Concept:

Transforming negative imperative sentences from direct speech to indirect speech involves converting the command or advice into an infinitive phrase introduced by 'not to'.

Step 1: Identifying the Direct Sentence Structure:

Reported clause: "Don't work too hard" (a negative imperative sentence offering advice or instruction).

Reporting clause: "I said to Joe."

Step 2: Conversion Rules for Negative Imperatives:

1. The reporting verb 'said to' is changed into verbs like 'told', 'advised', or 'urged' followed directly by the person addressed.
2. The negative imperative auxiliary "Don't + verb" changes into the negative infinitive: "not to + base verb".
3. Inverted commas and quotation marks are removed.

Applying these steps:

- "I said to Joe" → "I told Joe"

- "Don't work" → "not to work"

Combined: "I told Joe not to work too hard."

Step 3: Analyzing the Options:

Option (A) accurately follows this rule: "I told Joe not to work too hard."

Option (B) has incorrect word order ("to work not for too hard").

Option (C) incorrectly retains the direct negative present form "please do not work".

Option (D) introduces "requested" and "to stop working", which alters the original phrase unnecessarily.

Final Answer:

Therefore, the correct indirect speech form is **(A) I told Joe not to work too hard.**

Quick Tip: Negative imperative transformation pattern:

"Don't + Verb" in direct speech becomes "not to + Verb" in indirect speech.

Avoid options that use "to not" or add extraneous words like "please" or "stop".

17. Fill in the blank in the following sentence with the most appropriate option from those given:

_____ the richness of the tradition of debate and argument make much difference to academia?

- (A) Do
- (B) Has
- (C) Does
- (D) Have

Correct Answer: (C) Does

Solution:

Concept:

Subject-verb agreement requires matching an auxiliary verb in an interrogative sentence with the true grammatical head of the subject noun phrase.

Step 1: Identifying the Grammatical Subject:

The complete subject noun phrase is: "the richness of the tradition of debate and argument".

To find the head noun, eliminate prepositional modifiers:

- "of the tradition" is a prepositional modifier.
- "of debate and argument" is an embedded prepositional modifier.

The core head noun of the noun phrase is 'richness'.

Step 2: Determining Number and Verb Form:

The noun 'richness' is singular and uncountable.

The main lexical verb in the sentence is the base form: 'make'.

In the simple present tense, interrogative sentences with a singular third-person subject take the auxiliary verb 'Does':

Does + singular subject + base verb (V_1)

If 'Has' were used, it would require the past participle 'made', which is not present.

'Do' and 'Have' are plural forms and thus grammatically incorrect with the singular subject 'richness'.

Step 3: Verification:

"Does the richness of the tradition of debate and argument make much difference to academia?" is syntactically flawless.

Final Answer:

Therefore, the correct option to fill the blank is **(C) Does**.

Quick Tip: Ignore intervening prepositional phrases when determining the subject!
The **richness** (singular)

of the tradition... → takes the singular auxiliary verb **Does**.

18. Fill in the blank in the following sentence with the most appropriate option from those given:

Throughout human history, the sun _____ worshipped as a symbol of life and power.

- (A) will be
- (B) has been
- (C) used to
- (D) have been

Correct Answer: (B) has been

Solution:

Concept:

Tense usage depends on time markers.

The phrase "Throughout human history" indicates an action or state that commenced in the distant past and has continued uninterrupted up into the present day.

Step 1: Identifying the Appropriate Tense:

An action connecting past time to present time requires the Present Perfect Tense.

Because the subject ('the sun') is receiving the action of worship, the passive voice is necessary:

Present Perfect Passive = has / have + been + past participle (V_3)

Step 2: Subject-Verb Agreement:

The subject of the clause is "the sun", which is a singular third-person noun.

Singular nouns take 'has been', whereas plural nouns take 'have been'.

Therefore, "the sun has been worshipped" is grammatically correct.

Step 3: Analyzing the Other Options:

Option (A) 'will be' indicates the future tense, conflicting with "Throughout human history".

Option (C) 'used to' requires a following base verb 'be' (i.e., 'used to be worshipped') to make grammatical sense.

Option (D) 'have been' incorrectly uses a plural auxiliary with the singular subject 'the sun'.

Final Answer:

Therefore, the correct option is **(B) has been**.

Quick Tip: Time adverbials such as "Throughout history", "Since ancient times", and "Over the centuries" typically trigger the **Present Perfect Tense** (*has/have been + V_3*).

19. Choose the most appropriate pair of words to fill in the blanks in the following sentence from the given options:

Forecasting is the collective activity of specialists _____ analyze the information _____ identify what they consider the potential key trends.

- (A) that, whom
- (B) who, but
- (C) whom, so
- (D) who, and

Correct Answer: (D) who, and

Solution:

Concept:

This question tests relative pronouns and coordinating conjunctions to maintain parallel grammatical structure.

Step 1: Analyzing the First Blank:

The antecedent noun is "specialists", which refers to people (human subjects).

The relative pronoun acts as the subject of the subordinate verb "analyze".

In English grammar, the subjective relative pronoun for persons is 'who' (while 'whom' is objective).

Therefore, the first blank must be filled with 'who'.

Step 2: Analyzing the Second Blank:

The sentence lists two sequential, complementary actions carried out by the specialists:

1. "[they] analyze the information"
2. "[they] identify what they consider the potential key trends"

These two coordinate predicate verbs ("analyze" and "identify") share the same subject and function together.

The coordinating conjunction that joins two parallel, harmonious actions is 'and'.

Step 3: Evaluating the Options:

Option (A) uses 'whom' in the second position, which is ungrammatical.

Option (B) 'but' incorrectly implies an unexpected contrast.

Option (C) uses 'whom' for the subject position, which is incorrect.

Option (D) 'who, and' fits both the relative clause requirement and parallel coordination perfectly.

Final Answer:

Therefore, the most appropriate pair is **(D) who, and**.

Quick Tip: Quick check for who vs. whom:

If the word performs the action (subject of the verb "analyze"), use **who**.

If it receives the action, use **whom**.

20. Fill in the blank in the following sentence with the most appropriate option from those given:

Make haste, _____ you will miss the fashion show.

(A) either

(B) so

(C) else

(D) on

Correct Answer: (C) else

Solution:

Concept:

Conjunctions connect clauses and express logical relationships such as consequence, condition, or alternative outcomes.

Step 1: Analyzing the Clauses:

Clause 1: "Make haste" (an imperative clause meaning to hurry up).

Clause 2: "you will miss the fashion show" (a conditional negative consequence).

Step 2: Understanding Adverse Conjunctions:

When an imperative command is followed by an unwelcome result if the command is not obeyed, an adversative or conditional conjunction meaning "otherwise" or "if not" must be used.

The word 'else' (often used as 'or else') means 'otherwise' or 'if you do not'.

Thus: "Make haste, else you will miss the fashion show" translates to "Hurry up; otherwise, you will miss the fashion show."

Step 3: Analyzing the Other Options:

Option (A) 'either' must be paired with 'or' in correlative structures, which is absent here.

Option (B) 'so' introduces a direct logical result; hurrying does not cause one to miss the show.

Option (D) 'on' is a preposition and cannot logically link these two independent clauses.

Final Answer:

Therefore, the correct conjunction is **(C) else**.

Quick Tip: Use "else" or "otherwise" following an imperative statement to warn about a negative consequence:

"Run fast, *else* you will miss the bus."

"Work hard, *else* you will fail."

21. Identify the error in the underlined part of the given sentence and choose the most appropriate option from those given to rectify it:

When he heard the inspiring speech of the fashion designer, he was carried along by former's enthusiasm.

(A) got carried away

(B) got carried down

- (C) got carried off
(D) got carried forward

Correct Answer: (A) got carried away

Solution:

Concept:

Phrasal verbs consist of a verb paired with a preposition or adverb that creates a unique idiomatic meaning distinct from the literal meaning of the individual words.

Step 1: Identifying the Intended Meaning:

The context involves being emotionally moved, inspired, or overcome with enthusiasm upon hearing an inspiring speech.

Step 2: Evaluating Phrasal Verbs with 'Carry':

- **Get carried away:** To become overly excited, filled with overwhelming emotion, or swept up in enthusiasm so that one loses self-restraint. This directly fits the psychological impact described.
- **Carry off:** To achieve something difficult successfully, or to seize and abduct someone.
- **Carry down:** To transfer or bring something to a lower level physically.
- **Carry forward:** An accounting term meaning to transfer a figure to the next column, page, or accounting period.

Step 3: Rectification:

The phrase "was carried along" is an incorrect idiom in this context. It must be rectified to "got carried away" to accurately express being swept up in the speaker's enthusiasm.

Final Answer:

Therefore, the correct replacement is **(A) got carried away**.

Quick Tip: Idiomatic Phrasal Verb:

"To get carried away" = to lose self-control due to strong excitement, passion, or enthusiasm.

22. Choose the most appropriate option from those given to replace the underlined phrase in the following sentence:

I went to a store of clothes yesterday.

- (A) a clothing store
- (B) stores of clothing
- (C) stores cloth
- (D) cloths of stores

Correct Answer: (A) a clothing store

Solution:

Concept:

In English, noun adjuncts and compound nouns are preferred over awkward prepositional phrases ("noun + of + noun") when referring to common commercial establishments.

Step 1: Identifying the Awkward Expression:

The phrase "a store of clothes" is an awkward literal translation.

In English, a retail establishment selling clothes is described using a compound noun where 'clothing' functions as a noun adjunct specifying the type of store.

Step 2: Analyzing the Options:

Option (A) 'a clothing store' is the standard, natural English term for a shop selling apparel. It maintains singular agreement with the singular article "a".

Option (B) 'stores of clothing' changes the number to plural ("stores") while retaining an unnatural prepositional construction.

Option (C) 'stores cloth' is ungrammatical and refers to fabric materials rather than garments.

Option (D) 'cloths of stores' is nonsensical.

Step 3: Conclusion:

Replacing the underlined phrase with 'a clothing store' produces a concise and idiomatically natural sentence.

Final Answer:

Therefore, the most appropriate replacement is (A) a clothing store.

Quick Tip: Use compound noun structures for retail shops:

- "a book store" instead of "a store of books".
- "a shoe shop" instead of "a shop of shoes".
- "a clothing store" instead of "a store of clothes".

23. Match the LIST-I with LIST-II

LIST-I		LIST-II	
A.	One should always keep away from	I.	for want of raw material
B.	The workers have been laid off	II.	modelling as a career
C.	She has taken up	III.	selfish people because they can cause harm
D.	It is unfair to look down upon	IV.	the weak students in the class

Choose the correct answer from the options given below:

- (A) A-IV, B-I, C-III, D-II
- (B) A-II, B-I, C-IV, D-III
- (C) A-III, B-I, C-II, D-IV
- (D) A-I, B-III, C-II, D-IV

Correct Answer: (C) A-III, B-I, C-II, D-IV

Solution:

Concept:

Matching exercises evaluate understanding of phrasal verbs, collocations, and contextual coherence across sentence fragments.

Step 1: Analyzing Statement A:

"One should always keep away from..."

The phrasal verb 'keep away from' means to avoid contact with someone or something dangerous or harmful.

This pairs logically with List-II item III: "selfish people because they can cause harm."

Hence, **A matches with III.**

Step 2: Analyzing Statement B:

"The workers have been laid off..."

The phrasal verb 'laid off' means suspended or terminated from employment due to lack of work or operational difficulties.

List-II item I: "for want of raw material" states the underlying reason for worker layoff.

Hence, **B matches with I.**

Step 3: Analyzing Statement C:

"She has taken up..."

The phrasal verb 'take up' means to adopt a profession, hobby, or pursuit.

List-II item II: "modelling as a career" describes a chosen profession.

Hence, **C matches with II.**

Step 4: Analyzing Statement D:

"It is unfair to look down upon..."

The phrasal verb 'look down upon' means to regard with contempt or consider someone inferior.

List-II item IV: "the weak students in the class" provides the appropriate object for this action.

Hence, **D matches with IV.**

Step 5: Consolidating the Matches:

A-III, B-I, C-II, D-IV. This combination corresponds to Option (C).

Final Answer:

Therefore, the correct option is (C) A-III, B-I, C-II, D-IV.

Quick Tip: Match the most definitive phrasal verb first:

"laid off" → relates directly to industry and workers ("for want of raw material").

Confirming B-I immediately narrows down the choices to Options (A), (B), and (C).

24. Choose the most appropriate option from those given as an improvement for the underlined part of the given sentence:

Fashion designers should avoid to make outlandish dresses and designs.

- (A) avoid making
- (B) avoid to have made
- (C) avoiding to make
- (D) must avoid for making

Correct Answer: (A) avoid making

Solution:

Concept:

In English grammar, certain transitive verbs must be followed exclusively by a gerund (the -ing form of a verb) rather than an infinitive (to + verb).

Step 1: Identifying the Verb Rule for 'Avoid':

The verb 'avoid' belongs to the category of verbs that take a gerund complement:

avoid + Gerund (V-ing)

It is grammatically incorrect to use a to-infinitive after 'avoid' (e.g., one cannot say "avoid to do something").

Step 2: Analyzing the Sentence:

In the sentence: "Fashion designers should avoid to make outlandish dresses and designs," the verb phrase 'avoid to make' violates this grammatical rule.

The verb 'make' must be changed into its gerund form, 'making'.

Thus, the correct phrase is: "avoid making".

Step 3: Evaluating the Options:

Option (A) 'avoid making' accurately uses the modal 'should' followed by the base verb 'avoid' and the gerund 'making'.

Option (B) incorrectly retains the infinitive form 'to have made'.

Option (C) incorrectly uses the participle 'avoiding' directly after the modal auxiliary 'should'.

Option (D) incorrectly combines modals ('should must') and introduces an ungrammatical prepositional phrase.

Final Answer:

Therefore, the correct improvement is **(A) avoid making**.

Quick Tip: Key verbs followed by a **Gerund** (-ing), never an infinitive:

Avoid, enjoy, mind, postpone, admit, delay, suggest, deny, resist.

Always write: "avoid doing", never "avoid to do".

25. Fill in the blank in the following sentence with the most appropriate option from those given:

If you want to feel the pulse of modern fashion, then Marc Jacobs is _____ the best designer to turn to. Although his career has had its fair share of fashion missteps, no other designer has so consistently influenced the broader clothing market in the modern era.

(A) frequently

- (B) invariably
- (C) variably
- (D) infrequently

Correct Answer: (B) invariably

Solution:

Concept:

This question tests the contextual choice of an adverb that reinforces an emphatic statement of consistency.

Step 1: Understanding the Meaning of the Sentence:

The passage asserts that if one wishes to understand contemporary fashion, Marc Jacobs is consistently the primary designer to consider.

The subsequent sentence highlights that despite occasional missteps, "no other designer has so **consistently** influenced the broader clothing market in the modern era."

The adverb filling the blank must therefore convey consistency, reliability, and certainty.

Step 2: Defining the Given Adverbs:

Option (A) 'frequently' means often or at short intervals, which lacks the definitive weight needed for a superlative recommendation ("the best designer").

Option (B) 'invariably' means in every case, without fail, or always. It conveys an unwavering, constant truth that reinforces "consistently influenced".

Option (C) 'variably' means in a manner that changes or fluctuates, contradicting the passage's argument.

Option (D) 'infrequently' means rarely or seldom, which runs opposite to the praise in the passage.

Step 3: Conclusion:

'Invariably' is the only adverb that aligns with the superlative judgment and echoes the idea of consistent market influence.

Final Answer:

Therefore, the most appropriate option is **(B) invariably**.

Quick Tip: Look for context clues elsewhere in the paragraph:

The phrase "*so consistently influenced*" in the second sentence directly points to "**invariably**" (meaning constantly / without fail) as the ideal adverb.

26. Choose the option with the correct spelling:

- (A) Flemboyent
- (B) Flambooyant
- (C) Flamboyant
- (D) Flemboyant

Correct Answer: (C) Flamboyant

Solution:

Concept:

Orthographic accuracy is critical in English vocabulary, especially for design-related terms borrowed from historical European languages.

The word in question is a prominent stylistic descriptor used extensively in art, architecture, and fashion history.

Step 1: Etymological Origin and Meaning:

The word 'flamboyant' originates from the Old French verb *flamboyer*, meaning "to flame" or "to blaze", derived from *flambe* (flame).

Historically, it designated a late phase of French Gothic architecture characterized by flame-like, undulating tracery.

In modern English and fashion discourse, it functions as an adjective describing a person, behavior, or piece of clothing that is strikingly bold, vibrant, elaborate, showy, or full of colorful confidence.

Step 2: Analyzing the Orthography and Phonetics:

The correct breakdown of the word into syllables is:

1. First syllable: **Flam-** (spelled with an 'a', not 'e').
2. Second syllable: **-boy-** (spelled with a single 'o', never double 'oo').
3. Suffix: **-ant** (takes the adjectival suffix '-ant', not '-ent').

Combining these components yields the standard spelling: **Flamboyant**.

Step 3: Evaluating the Incorrect Options:

Option (A) 'Flemboyent' incorrectly substitutes both vowels with 'e' in the prefix and suffix.

Option (B) 'Flambooyant' mistakenly doubles the letter 'o'.

Option (D) 'Flemboyant' errs by substituting an 'e' for the initial 'a'.

Option (C) 'Flamboyant' is the uniquely correct orthographic form.

Final Answer:

Therefore, the option with the correct spelling is **(C) Flamboyant**.

Quick Tip: Connect the spelling of **Flamboyant** with its root **flame**: both begin with the letters *fla*-.

Also remember that its adjectival ending is *-ant* (like *radiant* or *brilliant*), never *-ent*.

27. Choose the most appropriate option to rearrange the jumbled parts of the given sentence in proper sequence to make it a meaningful sentence (Use of capital letter in the beginning, and punctuation have been omitted):

- A. the world of fashion
- B. can often prove exacting
- C. because the aesthetics of design
- D. is highly subjective and personal

(A) C, D, A, B

(B) A, B, D, C

(C) A, D, B, C

(D) C, B, D, A

Correct Answer: (A) C, D, A, B

Solution:

Concept:

Sentence rearrangement requires recognizing subordinating conjunctions, clauses, grammatical dependencies, and cause-effect logical relationships between sentence fragments.

Step 1: Identifying Clause Structure and Connectors:

Part C begins with the subordinating conjunction "because" and the noun phrase "the aesthetics of design".

Part D supplies the predicate for this clause: "is highly subjective and personal".

Joined together, C + D forms a complete subordinate adverbial clause of reason:

"because the aesthetics of design is highly subjective and personal".

Step 2: Identifying the Main Independent Clause:

Part A introduces the subject noun phrase of the main clause: "the world of fashion".

Part B provides the finite verb phrase and complement: "can often prove exacting".

Joined together, A + B forms a complete independent clause:

"the world of fashion can often prove exacting".

Step 3: Synthesizing the Complete Sentence:

Placing the subordinate clause before the main clause produces:

"Because the aesthetics of design is highly subjective and personal, the world of fashion can often prove exacting."

This follows a natural, cohesive *Reason* → *Consequence* structure (C → D → A → B).

Alternative sequences such as (A, B, D, C) break syntactic harmony because part D cannot directly follow part B.

Final Answer:

Therefore, the correct sequence is (A) C, D, A, B.

Quick Tip: Look for subject-predicate couplings:

"the aesthetics of design" (C) requires the singular verb "is" (D), fixing the mandatory pair **C-D**.

"the world of fashion" (A) agrees with the modal verb "can often prove" (B), fixing **A-B**.

28. Choose the most appropriate option to rearrange the jumbled parts of the given sentence in proper sequence to make it a meaningful sentence (Use of capital letter in the beginning and punctuation have been omitted):

A. or reproduction of a designer's look

B. is called a knock-off

C. usually using relatively cheaper material and lower production cost

D. a close resemblance

E. by another designer

(A) B, D, E, A, C

(B) D, A, E, C, B

(C) D, B, A, C, E

(D) C, E, A, B, D

Correct Answer: (B) D, A, E, C, B

Solution:

Concept:

Constructing a coherent definitional sentence requires identifying the core subject term, its defining modifiers, participial phrases, and the main passive verb completing the definition.

Step 1: Identifying the Compound Subject:

Part D presents the opening noun phrase: "a close resemblance".

Part A coordinates with D via the conjunction "or": "or reproduction of a designer's look".

Together, **D + A** forms the compound nominal subject: "a close resemblance or reproduction of a designer's look".

Step 2: Identifying Modifying Phrases:

Part E specifies the agent responsible: "by another designer".

Part C describes the specific manner and commercial method: "usually using relatively cheaper material and lower production cost".

Connecting these sequentially gives $D \rightarrow A \rightarrow E \rightarrow C$:

"A close resemblance or reproduction of a designer's look by another designer, usually using relatively cheaper material and lower production cost..."

Step 3: Identifying the Predicate:

Part B provides the terminating verb phrase and complement: "is called a knock-off".

Placing B at the end completes the comprehensive definition of a fashion knock-off.

The complete sentence reads:

"A close resemblance or reproduction of a designer's look by another designer usually using relatively cheaper material and lower production cost is called a knock-off."

Final Answer:

Therefore, the correct sequential order is (B) D, A, E, C, B.

Quick Tip: In definitional sentences ending with "is called [Term]", place that predicate at the very end. Since part B is "is called a knock-off", it naturally forms the conclusion of the sentence.

29. Choose the most appropriate option to rearrange the jumbled parts of the given sentence in the proper sequence to make it a meaningful sentence (Use of capital letter in the beginning and punctuation have been omitted):

- A. the designer often has some specific
- B. to the pattern maker and sample sewer in
- C. at the next stage of the design process
- D. design details in his mind that need to be conveyed
- E. order to create the sample or prototype garment

(A) C, D, B, A, E

- (B) B, E, A, D, C
(C) A, D, B, E, C
(D) D, B, E, C, A

Correct Answer: (C) A, D, B, E, C

Solution:

Concept:

This question requires identifying semantic flow, verb-object dependencies, split idioms, and prepositional linkages across five sentence segments.

Step 1: Identifying Mandatory Pairs:

Notice that Part A ends with the adjective "some specific".

Part D begins with the corresponding head noun: "design details in his mind that need to be conveyed".

Thus, **A must be directly followed by D** ("specific design details...").

Step 2: Linking Prepositional Phrases:

Part D ends with the passive infinitive verb "conveyed", which takes the preposition "to".

Part B begins with "to the pattern maker and sample sewer in".

Hence, **D links directly to B** ("conveyed to the pattern maker...").

Step 3: Completing the Purpose Idiom:

Part B ends with the preposition "in".

Part E begins with "order to create the sample or prototype garment".

This completes the standard phrase of purpose: "in order to" (**B → E**).

Step 4: Positioning the Adverbial Time Phrase:

Part C is a prepositional time phrase: "at the next stage of the design process".

Placing C at the end establishes the operational phase:

"The designer often has some specific design details in his mind that need to be conveyed to the pattern maker and sample sewer in order to create the sample or prototype garment at the next stage of the design process."

The sequence $A \rightarrow D \rightarrow B \rightarrow E \rightarrow C$ forms a coherent and grammatically sound sentence.

Final Answer:

Therefore, the correct sequence is (C) A, D, B, E, C.

Quick Tip: Follow collocations and prepositional pairs:

1. "specific" (A) $\rightarrow$ "design details" (D).
2. "conveyed" (D) $\rightarrow$ "to" (B).
3. "in" (B) $\rightarrow$ "order to" (E).

This unbroken chain (A-D-B-E) instantly identifies Option (C).

30. Choose the most appropriate option from those given to complete the given paragraph:
Modesty is a universal phenomenon. It can be defined as proper behaviour acceptable to a society in terms of dressing, speaking, and etiquette. Failure to follow these norms is considered shameful behaviour. Different people and cultures have different standards of modesty, _____.

- (A) this proves that modesty is not inborn.
- (B) many more examples can be put forward.
- (C) and this is reflected in the way they dress themselves.
- (D) even before the invention of clothes.

Correct Answer: (C) and this is reflected in the way they dress themselves.

Solution:

Concept:

Paragraph completion requires selecting a concluding clause that naturally follows the preceding sentence grammatically and semantically while reinforcing the core theme of the passage.

Step 1: Analyzing the Thematic Progression of the Paragraph:

1. The paragraph opens with a universal premise: modesty exists across all societies.
2. It defines modesty primarily through cultural manifestations, highlighting "dressing, speaking, and etiquette".
3. The penultimate sentence notes cultural variations: "Different people and cultures have different standards of modesty..."

Step 2: Examining Syntactic Constraints:

The sentence ends with a comma after "modesty,".

A comma followed by a blank indicates the continuation of a compound or complex sentence.

Option (A) begins with an independent clause without a coordinating conjunction, creating an ungrammatical comma splice.

Option (B) is abrupt, disjointed, and introduces meta-textual commentary.

Option (D) is a sentence fragment that fails to connect logically with cultural variation.

Step 3: Evaluating Option (C):

Option (C) begins with the coordinating conjunction "and" and connects the cultural variation in modesty directly back to clothing ("the way they dress themselves").

This creates a seamless syntactic transition and closes the thematic loop introduced in sentence two.

Final Answer:

Therefore, the most appropriate completion is **(C) and this is reflected in the way they dress themselves.**

Quick Tip: Pay close attention to terminal punctuation before the blank!

A comma requires a coordinating conjunction (like *and*, *but*, or *or*) or a dependent clause to avoid a comma splice.

31. Choose the most appropriate option from those given to complete the paragraph in the most accurate manner:

Globalization is the process whereby nations' economies become intertwined and interdependent. Although the textile, apparel, home fashions and retailing industries have been an integral part of the process of globalization for decades, the end of the twentieth century and the beginning of the twenty-first century have ushered an increased attention to how:

- (A) the industries would be denying the feel of fashion in the era.
- (B) the industries would be asking for financial support in this matter.
- (C) the industries would create a different segment for growth.
- (D) the industries would adopt to and reflect the evolving global economy.

Correct Answer: (D) the industries would adopt to and reflect the evolving global economy.

Solution:

Concept:

The question tests paragraph completion based on context, coherence, and the logical development of an idea.

The paragraph discusses globalization and explains how major industries have been involved in the process for several decades.

Therefore, the missing statement should logically explain how these industries respond to the changing nature of the global economy.

Step 1: Understanding the Question:

The first part establishes that globalization has made national economies increasingly interconnected and interdependent.

The textile, apparel, home fashions, and retailing industries are specifically mentioned as industries that have participated in globalization for a long period.

The sentence then states that the late twentieth and early twenty-first centuries brought increased attention to a particular issue.

Thus, the missing portion should describe the industries' response to changing global economic conditions.

Step 2: Analyzing the Context:

The phrase “how” requires a clause explaining an action or adaptation by these industries. Globalization requires industries to respond to international markets, changing consumer preferences, competition, production systems, and economic conditions. Hence, an option referring to adaptation and reflection of the evolving global economy provides the most natural continuation.

Step 3: Evaluating the Options:

Option (A) introduces the idea of denying the feel of fashion, which is unrelated to the central discussion of globalization.

Option (B) focuses on asking for financial support, but the paragraph does not discuss financial assistance.

Option (C) mentions creating a different growth segment, but it does not logically complete the idea introduced by globalization.

Option (D) directly connects globalization with the need for industries to adapt to and reflect changes in the global economy.

Step 4: Final Answer:

The sentence is completed most logically by stating that the industries would adapt to and reflect the evolving global economy.

Therefore, the correct answer is **(D) the industries would adopt to and reflect the evolving global economy.**

Quick Tip: For paragraph-completion questions, first identify the central theme of the paragraph.

Then check whether each option maintains the same subject, tone, and logical direction.

An option that introduces an unrelated idea, such as financial support or an unexplained growth segment, should be eliminated.

The correct completion should connect naturally with the words immediately before and after the blank.

32. Choose the most appropriate option from those given to complete the paragraph:

There are two types of wool-based fabrics – woolen fabric and worsted fabric. Woolen fabrics are made up of carded yarns, where the yarn is fuzzy and bulky with uneven diameter and

varying lengths. Worsted fabrics are made of combed yarns

- (A) that help the fabric to not hold creases.
- (B) unless they provide better insulation.
- (C) which are smoother with an even diameter.
- (D) usually used for making fine table linen.

Correct Answer: (C) which are smoother with an even diameter.

Solution:

Concept:

This is a sentence-completion question based on factual description and grammatical continuity. The paragraph contrasts two kinds of wool-based fabrics: woolen and worsted fabrics. The characteristics of carded yarns used in woolen fabrics are already described, so the missing clause should give the characteristic of combed yarns used in worsted fabrics.

Step 1: Understanding the Question:

Woolen fabrics are described as being made from carded yarns.

The passage specifically states that these yarns are fuzzy and bulky, with uneven diameter and varying lengths.

The next sentence introduces worsted fabrics and says that they are made from combed yarns. Therefore, the missing part should describe the physical characteristics of combed yarns.

Step 2: Identifying the Relevant Relationship:

The structure of the paragraph establishes a comparison between carded yarns and combed yarns.

Carding generally produces yarns with shorter, less-aligned fibres, whereas combing arranges fibres more uniformly and removes shorter fibres.

Consequently, combed yarns are associated with a smoother and more uniform appearance.

Step 3: Evaluating the Options:

Option (A) discusses resistance to creasing, which is not the characteristic being described in

the paragraph.

Option (B) is grammatically and logically unsuitable because “unless” introduces a condition that does not fit the sentence.

Option (C) correctly describes combed yarns as smoother and having an even diameter.

Option (D) refers to table linen, which is unrelated to the comparison between woolen and worsted yarns.

Step 4: Final Answer:

The option that completes the description of worsted fabrics accurately and coherently is the statement that combed yarns are smoother with an even diameter.

Therefore, the correct answer is **(C) which are smoother with an even diameter.**

Quick Tip: In paragraph-completion questions involving technical descriptions, look for an option that continues the exact comparison already established in the passage.

Here, carded yarns are described first, so the missing statement must describe combed yarns rather than their uses or unrelated properties.

Grammatical compatibility with the preceding words is also an important elimination tool.

Comprehension Passage for question 33 to 37:

Fur: Real, fake, or nothing?

Since man first put on clothes people have worn fur, first and foremost because it is very warm.

Over the centuries, fur became exclusive and by the sixteenth century it was seen as a luxury textile.

At that time, it was worn on the inside as a lining for coats, with only a little trim visible.

In the early twentieth century, wearing fur on the outside of coats became fashionable.

But more visibility meant more controversy and negative opinion.

These days nothing in fashion divides opinions more strongly than fur.

The fur industry has hit back at animal rights campaigners, stating that real fur is much more environmentally friendly than fake fur.

It believes that manufacturing fake fur involves dangerous chemicals that damage the environment, and that real fur is natural and biodegradable.

It has also stated that younger women, inspired by celebrities, have begun to wear real fur again.

Most major fashion houses support this renewal in fur by featuring it in a few pieces each autumn / winter collection.

It is impossible to predict whether the trend of using fur in fashion will continue.

Some say fake fur will overtake the real version.

Others say fur is here to stay.

What is certain is that wearing fur will always be a decision that divides people.

33. What does the writer of the passage suggest about the future of fur in fashion?

- (A) Real fur will completely disappear.
- (B) Fake fur will replace real fur.
- (C) The debate over fur will continue to divide opinions.
- (D) Real fur will dominate the fashion industry again.

Correct Answer: (C) The debate over fur will continue to divide opinions.

Solution:

Concept:

This question tests the ability to identify the author's conclusion and distinguish a definite statement from predictions that remain uncertain.

The passage discusses the history of fur in fashion, the environmental debate surrounding real and fake fur, and the changing attitudes of consumers and fashion houses.

Step 1: Understanding the Question:

The question asks what the writer suggests about the future of fur in fashion.

The final paragraph is especially important because it directly discusses future possibilities.

The writer states that it is impossible to predict whether the trend of using fur in fashion will continue.

Step 2: Analyzing the Future Possibilities:

The passage presents different views about the future.

Some people believe that fake fur may overtake real fur, while others believe that fur will remain in fashion.

Therefore, the writer does not establish that either real fur or fake fur will definitely dominate the industry.

Step 3: Identifying the Certain Conclusion:

Although the future market position of real and fake fur is uncertain, the writer gives one definite conclusion.

The final sentence states that wearing fur will always be a decision that divides people.

This means that disagreement and controversy surrounding fur are expected to continue.

Step 4: Final Answer:

Options (A), (B), and (D) make definite predictions that are not supported by the passage.

Option (C) accurately reflects the writer's concluding observation about continuing disagreement over fur.

Therefore, the correct answer is **(C) The debate over fur will continue to divide opinions.**

Quick Tip: For inference questions, pay special attention to the concluding lines of the passage.

Avoid selecting an option that makes a stronger prediction than the author makes.

Here, the author explicitly says that the future trend is uncertain but clearly states that fur will continue to divide opinions.

34. According to the passage, why did people originally wear fur?

- (A) Because it was warm.
- (B) Because it was a symbol of luxury.
- (C) Because it was fashionable.
- (D) Because it was environment friendly.

Correct Answer: (A) Because it was warm.

Solution:

Concept:

This question tests direct information retrieval from a reading passage.

The answer is stated explicitly in the opening sentence, so no complex inference is required.

Step 1: Understanding the Question:

The question asks for the original reason why people wore fur.

The word “originally” is important because the passage later describes how the meaning and social perception of fur changed over time.

Therefore, the answer must come from the historical explanation at the beginning of the passage.

Step 2: Locating the Relevant Information:

The opening sentence explains that people have worn fur since the beginning of clothing use.

It specifically states that the primary reason was its warmth.

This establishes that the original purpose was functional rather than fashionable or symbolic.

Step 3: Evaluating the Options:

Option (A) directly matches the information given in the passage.

Option (B) is incorrect because fur became associated with luxury later, particularly by the sixteenth century.

Option (C) is incorrect because wearing fur on the outside of coats became fashionable much later, in the early twentieth century.

Option (D) is not given as the original reason for wearing fur.

Step 4: Final Answer:

The passage clearly identifies warmth as the primary original reason for wearing fur.

Therefore, the correct answer is **(A) Because it was warm.**

Quick Tip: When a comprehension question asks “according to the passage,” first search for an explicit statement rather than making an inference.

Also distinguish between the original reason and later developments described in the passage.

Here, warmth came first, while luxury and fashion became associated with fur later.

35. What change occurred in the 16th Century regarding the use of fur?

- (A) It became a luxury textile worn for display.
- (B) It was associated with men’s clothing only.
- (C) It was banned by royal decree.
- (D) It was no longer used as coat lining.

Correct Answer: (A) It became a luxury textile worn for display.

Solution:

Concept:

This question tests chronological reading and the ability to identify a historical change explicitly described in the passage.

The passage presents the changing role of fur across different periods, moving from practical use to luxury and later to fashion.

Step 1: Understanding the Question:

The question specifically asks about the sixteenth century.

Therefore, the relevant information must be located in the historical section of the passage rather than in the discussion of modern fashion.

Step 2: Identifying the Historical Change:

The passage states that fur was originally worn primarily because it was warm.

It then explains that over the centuries fur became exclusive and, by the sixteenth century, was regarded as a luxury textile.

At that time, it was worn inside coats as a lining, with only a small amount of trim visible.

Step 3: Evaluating the Options:

Option (A) correctly captures the transition of fur into a luxury textile and its association with display.

Option (B) is not mentioned anywhere in the passage.

Option (C) is also unsupported because there is no reference to any royal ban.

Option (D) is directly contradicted by the passage, which says that fur was worn inside coats as a lining during this period.

Step 4: Final Answer:

The major change was that fur acquired the status of a luxury textile during the sixteenth century.

Therefore, the correct answer is **(A) It became a luxury textile worn for display.**

Quick Tip: For chronology questions, identify the exact time period mentioned and return to the corresponding sentence in the passage.

Do not confuse developments from different periods.

The passage distinguishes original functional use, sixteenth-century luxury use, and twentieth-century fashion use.

36. In the line, “The fur industry has hit back at animal rights campaigners, stating that real fur is much more environmentally friendly than fake fur.” The phrase “hit back” means:

- (A) physically attacked
- (B) launched a new advertisement campaign
- (C) responded strongly or defended itself
- (D) agreed with critics

Correct Answer: (C) responded strongly or defended itself.

Solution:

Concept:

This question tests contextual vocabulary, where the meaning of an idiomatic phrase must be determined from its use in the passage.

The phrase “hit back” does not have its literal physical meaning in this context.

Step 1: Understanding the Question:

The passage describes a disagreement between the fur industry and animal rights campaigners.

The industry responds to criticism by presenting an argument in favour of real fur.

Therefore, “hit back” should be interpreted figuratively.

Step 2: Examining the Context:

Immediately after using the phrase “hit back,” the passage explains that the fur industry stated that real fur was more environmentally friendly than fake fur.

This is a verbal or argumentative response to criticism rather than a physical action.

The industry is essentially defending its position against animal rights campaigners.

Step 3: Evaluating the Options:

Option (A) is incorrect because the passage does not describe a physical attack.

Option (B) is too specific and introduces an advertising campaign that is not mentioned in the passage.

Option (C) correctly represents the figurative meaning of “hit back” as responding strongly to criticism or defending oneself.

Option (D) is opposite to the context because the fur industry was arguing against the campaigners’ criticism.

Step 4: Final Answer:

In this context, “hit back” means to respond strongly to criticism and defend one’s position.

Therefore, the correct answer is **(C) responded strongly or defended itself**.

Quick Tip: Idioms should be interpreted from their surrounding context rather than literally.

When an idiom appears in a passage, read the sentence immediately before and after it.

Here, “hit back” is followed by an argument defending real fur, making “responded strongly or defended itself” the appropriate meaning.

37. Young women started wearing real fur again since they

- (A) wanted to appear more fashionable.
- (B) were inspired by celebrities and icons.
- (C) had no choice left to protect them from the biting cold.
- (D) were supporting the cause of animal rights activists.

Correct Answer: (B) were inspired by celebrities and icons.

Solution:

Concept:

This question tests the ability to identify a specific cause stated directly in a reading passage. The passage explains a renewed interest in real fur among younger women and gives a particular reason for this development.

Step 1: Understanding the Question:

The question asks why young women began wearing real fur again.

The answer should therefore identify the influence mentioned by the writer in the paragraph discussing the modern fur industry.

Step 2: Locating the Relevant Statement:

The passage states that the fur industry has claimed that younger women, inspired by celebrities, have begun wearing real fur again.

This sentence directly establishes the connection between celebrity influence and the renewed popularity of real fur among younger women.

Step 3: Evaluating the Options:

Option (A) may appear plausible because fur is associated with fashion, but the passage specifically identifies celebrity inspiration as the stated reason.

Option (B) directly matches the information provided in the passage.

Option (C) is incorrect because the passage does not mention extreme cold as the reason for the renewed use of fur.

Option (D) is incorrect because animal rights campaigners are presented as critics of the fur industry rather than as the reason young women adopted fur.

Step 4: Final Answer:

The passage specifically attributes the renewed use of real fur among younger women to inspiration from celebrities.

Therefore, the correct answer is **(B) were inspired by celebrities and icons.**

Quick Tip: For direct-detail questions, prefer the option that reproduces the exact causal relationship stated in the passage.

Do not select a merely plausible explanation if the passage provides a specific reason.

Here, celebrity inspiration is explicitly stated, making it the strongest textual match.

38. Identify the most appropriate sequence of steps for précis writing from the options given:

- (A) Reading, Revision, and Writing
- (B) Reading, Learning, and Writing
- (C) Reading, Writing, and Revision
- (D) Reading, Recollecting, and Revision

Correct Answer: (C) Reading, Writing, and Revision

Solution:

Concept:

Précis writing involves reducing a longer passage into a shorter, coherent version while preserving its central idea, essential information, and logical structure.

A systematic sequence helps ensure that the précis is accurate, concise, and grammatically correct.

Step 1: Understanding the Question:

The question asks for the correct order of the basic activities involved in précis writing.

The process should begin with understanding the source passage before attempting to write its condensed version.

Step 2: Reading the Passage:

The first and essential stage is careful reading.

The writer must understand the main idea, important supporting points, tone, and logical progression of the original passage.

Without proper reading and comprehension, it is difficult to produce an accurate précis.

Step 3: Writing the Précis:

After understanding the passage, the writer drafts the précis by selecting the essential information and expressing it concisely.

Unnecessary examples, repetition, and minor details should normally be removed while preserving the original meaning.

Step 4: Revising the Draft:

After writing, the précis should be revised for clarity, grammar, accuracy, conciseness, and completeness.

Thus, reading is followed by writing and then revision.

Final Answer:

The appropriate sequence is Reading, Writing, and Revision.

Therefore, the correct answer is **(C) Reading, Writing, and Revision.**

Quick Tip: Remember the practical sequence: understand first, write second, and check last.

In précis writing, reading establishes the central idea, writing produces the condensed version, and revision removes errors and unnecessary material.

39. Identify the correct order of parts in an official Email format:

A. Subject

B. Body

C. Greetings

D. Signature

Choose the correct answer from the options given below:

(A) C, A, B, D

(B) A, C, B, D

(C) B, A, C, D

(D) B, C, A, D

Correct Answer: (B) A, C, B, D

Solution:

Concept:

An official email follows a structured format so that the recipient can immediately understand the purpose and content of the communication.

The subject identifies the purpose, the greeting addresses the recipient, the body contains the main message, and the signature identifies the sender.

Step 1: Understanding the Question:

The four components given are Subject, Body, Greetings, and Signature.

The task is to arrange them in the conventional order used in a formal or official email.

Step 2: Placing the Subject:

The subject should appear before the main body of the email because it provides a concise description of the purpose of the communication.

Therefore, A should be placed first among the four listed components.

Step 3: Placing Greetings and Body:

After the subject, the sender normally uses an appropriate greeting, such as “Dear Sir/Madam” or “Dear Professor”.

The actual message or body follows the greeting and contains the details, request, explanation, or information being communicated.

Therefore, C must come before B.

Step 4: Placing the Signature:

The signature appears at the end of the email after the main body.

Thus, D is the final component.

The resulting sequence is A, C, B, D.

Final Answer:

Therefore, the correct order of the components is **(B) A, C, B, D**.

Quick Tip: For official email questions, remember the sequence “Subject, Greeting, Body, Signature.”

The subject states the purpose, the greeting addresses the recipient, the body carries the message, and the signature closes the communication.

40. Rearrange the following sentences into a coherent and meaningful paragraph:

- A. The students compared different poster layouts.**
- B. Their final design used bold headlines and minimal text.**
- C. The students were given proper guidelines for the layouts.**
- D. A rough design was shown to the teacher.**
- E. The teacher asked his students to prepare a poster for a fashion campaign.**

Choose the correct answer from the options given below:

- (A) E, C, A, D, B
- (B) E, D, C, B, A
- (C) D, E, A, C, B
- (D) E, C, D, B, A

Correct Answer: (A) E, C, A, D, B

Solution:

Concept:

Sentence rearrangement questions test logical sequencing, continuity of ideas, pronoun references, and cause-and-effect relationships.

The correct sequence should form a natural paragraph in which each sentence follows logically from the previous one.

Step 1: Understanding the Sentences:

Sentence E introduces the situation by stating that the teacher asked the students to prepare a poster for a fashion campaign.

This is naturally the starting point because it introduces the task and the people involved.

Step 2: Identifying the Next Sentence:

After the task is assigned, sentence C states that the students were given proper guidelines for the layouts.

This provides instructions and naturally follows the teacher's request.

Step 3: Developing the Design Process:

Once the guidelines are provided, sentence A explains that the students compared different poster layouts.

This is the next logical stage because comparison of layouts would occur while developing the design.

Step 4: Moving to the Draft:

Sentence D states that a rough design was shown to the teacher.

This logically follows the comparison and selection process because the students would then present a preliminary design for feedback.

Step 5: Identifying the Final Outcome:

Sentence B uses the expression “Their final design,” which refers back to the design process described in the previous sentences.

Therefore, B should come last and describe the completed design.

Final Answer:

The coherent sequence is E, C, A, D, B.

Therefore, the correct answer is (A) E, C, A, D, B.

Quick Tip: In rearrangement questions, first identify the introductory sentence and then track the chronological sequence of actions.

Pronouns such as “their” are especially useful because they usually refer to something already introduced.

Here, “Their final design” clearly belongs near the end of the sequence.

41. The cost of manufacturing a car depends upon three items: cost of material, labour and overheads. In a year, the cost of these items were in the ratio 4:3:2. Next year the cost of material increased by 10%, cost of labour increased by 8% but cost of overheads reduced by 5%. If same number of cars were produced in each year, then the percentage increase in the price of the car, would be:

- (A) 6%
- (B) 7%
- (C) 9%
- (D) 10%

Correct Answer: (A) 6%

Solution:

Concept:

This is a weighted-percentage question because the three components of manufacturing cost are not equal.

The percentage change in total cost must therefore be calculated using the given ratio of material, labour, and overhead costs.

Step 1: Understanding the Question:

Let the original costs of material, labour, and overheads be $4x$, $3x$, and $2x$, respectively.

Hence, the total original manufacturing cost is

$$4x + 3x + 2x = 9x.$$

Step 2: Calculating the Changes:

Material increases by 10%, so the increase in material cost is

$$10\% \text{ of } 4x = 0.4x.$$

Labour increases by 8%, so the increase in labour cost is

$$8\% \text{ of } 3x = 0.24x.$$

Overheads decrease by 5%, so the decrease in overhead cost is

$$5\% \text{ of } 2x = 0.10x.$$

Step 3: Finding the Net Increase:

The net increase in total cost is

$$0.4x + 0.24x - 0.10x = 0.54x.$$

Therefore, the percentage increase in total cost is

$$\frac{0.54x}{9x} \times 100 = 6\%.$$

Step 4: Final Answer:

Since the same number of cars is produced in both years, the percentage increase in total manufacturing cost is also the percentage increase in the cost per car.

Therefore, the correct answer is **(A) 6%**.

Quick Tip: When different components have different percentage changes, do not simply average the percentages.

Multiply each percentage change by its corresponding weight in the original ratio.

Here, the weighted change is $4(10) + 3(8) - 2(5) = 54$, and dividing by the total ratio 9 gives 6%.

42. There are 48 students in a college union and the ratio of the number of boys to the number of girls is 5:3. The number of girls to be included in this union, so that the ratio of the number of boys to number of girls become 6:5, is:

- (A) 6
- (B) 7
- (C) 12
- (D) 17

Correct Answer: (B) 7

Solution:

Concept:

This question uses ratios and the effect of adding only one category of people to a group. Since girls are added while the number of boys remains unchanged, the number of boys can first be determined from the original ratio and then used with the new ratio.

Step 1: Understanding the Question:

There are 48 students in total, and the ratio of boys to girls is 5 : 3.

The total number of ratio parts is

$$5 + 3 = 8.$$

Step 2: Finding the Original Numbers:

One ratio part represents

$$\frac{48}{8} = 6.$$

Therefore, the number of boys is

$$5 \times 6 = 30,$$

and the number of girls is

$$3 \times 6 = 18.$$

Step 3: Applying the New Ratio:

Let x girls be added.

The number of boys remains 30, while the new number of girls becomes $18 + x$.

The required ratio is 6 : 5, so

$$\frac{30}{18+x} = \frac{6}{5}.$$

Cross-multiplying gives

$$150 = 108 + 6x.$$

Therefore,

$$6x = 42$$

and hence

$$x = 7.$$

Step 4: Final Answer:

Seven additional girls must be included to obtain the ratio 6 : 5.

Therefore, the correct answer is **(B) 7**.

Quick Tip: First convert the original ratio into actual numbers using the total.

When only girls are added, keep the number of boys fixed and change only the girls' count.

Cross-multiplication with the required ratio then gives the number to be added directly.

43. Vinay saves 10% of his income. If his income increases by 16%, and his saving increases by 10%, then what percentage does his expenditure increase?

(A) 4%

(B) $16\frac{2}{3}\%$

(C) $16\frac{3}{3}\%$

(D) 6%

Correct Answer: (B) $16\frac{2}{3}\%$

Solution:

Concept:

This question is based on the relationship among income, savings, and expenditure.

The fundamental relation is

$$\text{Income} = \text{Savings} + \text{Expenditure}.$$

Therefore, changes in income and savings can be used to determine the change in expenditure.

Step 1: Understanding the Question:

Assume Vinay's original income is 100 units.

He saves 10% of his income, so his original saving is 10 units.

His original expenditure is therefore

$$100 - 10 = 90.$$

Step 2: Calculating the New Income:

Income increases by 16%.

Therefore, the new income is

$$100 + 16 = 116.$$

Step 3: Calculating the New Saving and Expenditure:

The saving increases by 10% from its original value of 10.

Thus, the new saving is

$$10 + \frac{10}{100} \times 10 = 11.$$

Hence, the new expenditure is

$$116 - 11 = 105.$$

Step 4: Finding the Percentage Increase in Expenditure:

The increase in expenditure is

$$105 - 90 = 15.$$

Therefore, the percentage increase is

$$\frac{15}{90} \times 100 = \frac{1}{6} \times 100 = 16\frac{2}{3}\%.$$

Step 5: Final Answer:

Thus, Vinay's expenditure increases by $16\frac{2}{3}\%$.

Therefore, the correct answer is **(B)** $16\frac{2}{3}\%$.

Quick Tip: For income-savings questions, assume the original income to be 100 units whenever percentages are involved.

Use $\text{Income} = \text{Savings} + \text{Expenditure}$ and calculate the old and new expenditure separately.

Always calculate the final percentage change using the original expenditure as the denominator.

44. An item is marked for sale at Rs. 7,200. A dealer allows a discount of 10% and yet makes a profit of 8%. What would have been his gain percentage, if no discount was allowed?

- (A) 24%
- (B) 16%
- (C) 18%
- (D) 20%

Correct Answer: (D) 20%

Solution:

Concept:

This question combines marked price, discount, cost price, and profit percentage.

The key is to first determine the actual selling price after the discount and then use the given 8% profit to find the cost price.

Step 1: Understanding the Question:

The marked price of the item is Rs. 7,200.

A discount of 10% is allowed, so the actual selling price is less than the marked price.

Despite this discount, the dealer makes an 8% profit.

Step 2: Finding the Selling Price After Discount:

The discount is

$$10\% \text{ of } 7200 = 720.$$

Therefore, the selling price is

$$7200 - 720 = 6480.$$

Step 3: Finding the Cost Price:

An 8% profit means that the selling price is 108% of the cost price.

Therefore,

$$6480 = 108\% \text{ of CP.}$$

Hence,

$$\text{CP} = \frac{6480 \times 100}{108} = 6000.$$

Step 4: Finding the Gain Without Discount:

If no discount were allowed, the item would be sold at its marked price of Rs. 7,200.

The gain would then be

$$7200 - 6000 = 1200.$$

Thus, the gain percentage would be

$$\frac{1200}{6000} \times 100 = 20\%.$$

Step 5: Final Answer:

Therefore, if the dealer had sold the item at the marked price without allowing any discount, his gain would have been 20%.

Hence, the correct answer is **(D) 20%**.

Quick Tip: Always calculate the discounted selling price first.

If the discounted selling price represents 108% of cost price, divide it by 1.08 to obtain the cost price.

After finding the cost price, compare the marked price with it to determine the profit without discount.

45. A sum of money invested at a certain rate of simple interest amounts to Rs. 7,400 in 6 years and to Rs. 8,200 in 8 years. The rate of interest per annum, is:

- (A) 7.5%
- (B) 8%
- (C) 9%
- (D) 10%

Correct Answer: (B) 8%

Solution:

Concept:

In simple interest, interest is directly proportional to time when the principal and rate remain constant.

Therefore, the difference between two amounts received at different times represents the simple interest earned during the difference in time.

Step 1: Understanding the Question:

The amount after 6 years is Rs. 7,400, while the amount after 8 years is Rs. 8,200.

The difference in time is 2 years and the difference in amount is Rs. 800.

Step 2: Finding the Annual Simple Interest:

The additional amount earned during the additional 2 years is

$$8200 - 7400 = 800.$$

Therefore, the simple interest earned in one year is

$$\frac{800}{2} = 400.$$

Step 3: Finding the Principal:

The interest earned in 6 years is

$$6 \times 400 = 2400.$$

Since

$$A = P + SI,$$

we obtain

$$7400 = P + 2400.$$

Thus,

$$P = 5000.$$

Step 4: Finding the Rate:

Using the simple interest formula,

$$SI = \frac{P \times R \times T}{100}.$$

For one year, the interest is Rs. 400, so

$$400 = \frac{5000 \times R}{100}.$$

Therefore,

$$R = \frac{400 \times 100}{5000} = 8\%.$$

Step 5: Final Answer:

The rate of simple interest is 8% per annum.

Therefore, the correct answer is **(B) 8%**.

Quick Tip: When two amounts at different times are given under simple interest, subtract them first. The difference gives the interest for the difference in time, often allowing the annual interest to be found immediately.

This is usually faster than forming two simultaneous simple-interest equations.

46. The average of 11 consecutive even numbers written in ascending order is 30. What is the average of the 3rd and the 10th number?

- (A) 29
- (B) 30
- (C) 31
- (D) 33

Correct Answer: (C) 31

Solution:

Concept:

For an odd number of consecutive terms in an arithmetic progression, the average is equal to the middle term.

Since the numbers are consecutive even numbers, their common difference is 2.

The given average therefore immediately identifies the sixth number.

Step 1: Understanding the Question:

There are 11 consecutive even numbers arranged in ascending order.

For 11 terms, the middle term is the 6th term.

Since the average is 30, the 6th number must be 30.

Step 2: Finding the Required Terms:

Because consecutive even numbers differ by 2, the numbers around the middle are

$$20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40.$$

Thus, the 3rd number is 24, and the 10th number is 38.

Step 3: Finding Their Average:

The required average is

$$\frac{24 + 38}{2} = \frac{62}{2} = 31.$$

Step 4: Final Answer:

Hence, the average of the 3rd and 10th numbers is 31.

Therefore, the correct answer is **(C) 31**.

Quick Tip: For an odd number of consecutive terms, the average is the middle term.

Once the middle term is known, construct only the required terms instead of writing the complete sequence.

Here, the 6th term is 30, so the 3rd term is 24 and the 10th term is 38.

47. A car covers a distance of 75 km at a speed of 60 km/hr. It covers the next 5 km at a speed of 12 km/hr and the last 40 km at a speed of 36 km/hr. The average speed of the car during the entire journey (in km/hr) is:

- (A) 43.2
- (B) 44.5
- (C) 41.8
- (D) 42.25

Correct Answer: (A) 43.2

Solution:

Concept:

Average speed is not generally obtained by taking the ordinary average of the individual speeds when different distances are travelled at those speeds.

The correct formula is

$$\text{Average Speed} = \frac{\text{Total Distance}}{\text{Total Time}}.$$

Step 1: Understanding the Question:

The journey consists of three portions.

The car travels 75 km at 60 km/hr, 5 km at 12 km/hr, and 40 km at 36 km/hr.

We must calculate the time taken for each portion and then use total distance divided by total time.

Step 2: Calculating the Individual Times:

For the first portion,

$$t_1 = \frac{75}{60} = \frac{5}{4} \text{ hr.}$$

For the second portion,

$$t_2 = \frac{5}{12} \text{ hr.}$$

For the third portion,

$$t_3 = \frac{40}{36} = \frac{10}{9} \text{ hr.}$$

Step 3: Finding Total Distance and Time:

Total distance is

$$75 + 5 + 40 = 120 \text{ km.}$$

Total time is

$$\frac{5}{4} + \frac{5}{12} + \frac{10}{9} = \frac{45 + 15 + 40}{36} = \frac{100}{36} = \frac{25}{9} \text{ hr.}$$

Step 4: Finding Average Speed:

Therefore,

$$\text{Average Speed} = \frac{120}{25/9} = \frac{120 \times 9}{25} = 43.2 \text{ km/hr.}$$

Step 5: Final Answer:

Therefore, the average speed during the entire journey is 43.2 km/hr.

Hence, the correct answer is **(A) 43.2**.

Quick Tip: Never take the simple average of speeds when the distances are different.

Calculate the time for every segment and use total distance divided by total time.

A very slow segment, such as 5 km at 12 km/hr here, can significantly increase the total travel time.

48. Two trains 'A' and 'B' started running at the same time. Train 'A' takes 3 hours more than train 'B' to cover 540 km. But if train 'A' doubles its speed, it covers 540 km in $1\frac{1}{2}$ hours less than train 'B'. What is the speed (in km/h) of train 'B'?

- (A) 60
- (B) 90
- (C) 80
- (D) 70

Correct Answer: (B) 90

Solution:

Concept:

The problem is based on the fundamental relationship between time, speed, and distance.

The core formula used is $\text{Time} = \frac{\text{Distance}}{\text{Speed}}$.

By forming linear equations based on the given time differences, we can systematically solve for the individual speeds of both trains.

Step 1: Setting up the variables and first equation:

Let the speed of train 'A' be x km/h and the speed of train 'B' be y km/h.

The total distance to be covered by both trains is 540 km.

The time taken by train 'A' to cover 540 km is $\frac{540}{x}$ hours.

The time taken by train 'B' to cover 540 km is $\frac{540}{y}$ hours.

According to the first condition, train 'A' takes 3 hours more than train 'B'.

Therefore, we can write the first equation as:

$$\frac{540}{x} - \frac{540}{y} = 3$$

Let this be Equation (1).

Step 2: Setting up the second equation:

If train 'A' doubles its speed, its new speed becomes $2x$ km/h.

The new time taken by train 'A' to cover 540 km will be $\frac{540}{2x}$ hours, which simplifies to $\frac{270}{x}$ hours.

According to the second condition, train 'A' now takes $1\frac{1}{2}$ hours (or 1.5 hours) less than train 'B'.

Therefore, we can write the second equation as:

$$\frac{540}{y} - \frac{270}{x} = 1.5$$

Let this be Equation (2).

Step 3: Solving the simultaneous equations:

We can add Equation (1) and Equation (2) to eliminate the term containing y .

$$\left(\frac{540}{x} - \frac{540}{y}\right) + \left(\frac{540}{y} - \frac{270}{x}\right) = 3 + 1.5$$

$$\frac{540}{x} - \frac{270}{x} = 4.5$$

$$\frac{270}{x} = 4.5$$

$$x = \frac{270}{4.5} = \frac{2700}{45} = 60$$

So, the initial speed of train 'A' is 60 km/h.

Step 4: Finding the speed of train 'B':

Now, substitute the value of $x = 60$ into Equation (1) to find y .

$$\frac{540}{60} - \frac{540}{y} = 3$$

$$9 - \frac{540}{y} = 3$$

$$\frac{540}{y} = 9 - 3$$

$$\frac{540}{y} = 6$$

$$y = \frac{540}{6} = 90$$

Thus, the speed of train 'B' is 90 km/h.

Final Answer:

Therefore, the correct answer is **(B) 90**.

Quick Tip: In problems involving inverse relationships like speed and time, formulating equations with reciprocals is often the easiest and fastest approach.

Always double-check which train's speed the question is specifically asking for before marking the final answer, as the speed of train 'A' (60 km/h) is also present in the options!

49. Two pipes A and B can fill a water tank in 30 minutes and 20 minutes, respectively. Initially pipe A was opened and after 5 minutes, pipe B was also opened. Find the total time (in minutes) taken by the pipes to fill the tank.

- (A) 10
- (B) 12
- (C) 14
- (D) 15

Correct Answer: (D) 15

Solution:

Concept:

This is a pipes and cisterns problem involving two different filling rates and a delayed start. The key is to calculate the portion of the tank filled by pipe A during the first 5 minutes and then calculate the remaining time using the combined rate of both pipes.

Step 1: Understanding the Question:

Pipe A can fill the entire tank in 30 minutes.

Therefore, its rate is

$$\frac{1}{30} \text{ tank per minute.}$$

Pipe B can fill the tank in 20 minutes, so its rate is

$$\frac{1}{20} \text{ tank per minute.}$$

Step 2: Finding the Work Done by Pipe A:

Pipe A works alone for the first 5 minutes.

The fraction of the tank filled is

$$5 \times \frac{1}{30} = \frac{1}{6}.$$

Therefore, the remaining portion is

$$1 - \frac{1}{6} = \frac{5}{6}.$$

Step 3: Finding the Combined Rate:

When both pipes are open, their combined rate is

$$\frac{1}{30} + \frac{1}{20} = \frac{2+3}{60} = \frac{5}{60} = \frac{1}{12}.$$

Thus, together they fill $\frac{1}{12}$ of the tank per minute.

Step 4: Finding the Remaining Time:

The time required to fill the remaining $\frac{5}{6}$ of the tank is

$$\frac{5}{6} \div \frac{1}{12} = \frac{5}{6} \times 12 = 10 \text{ minutes.}$$

The total time includes the initial 5 minutes.

Therefore, total time is

$$5 + 10 = 15 \text{ minutes.}$$

Step 5: Final Answer:

The pipes take a total of 15 minutes to fill the tank.

Therefore, the correct answer is **(D) 15**.

Quick Tip: For pipes that start at different times, calculate the work completed during the initial period separately.

Then add the rates only after both pipes are operating.

Finally, remember to add the initial period to the time obtained for the remaining work.

50. Four years ago, the ages of Rekha and her mother were in the ratio 1:6. Five years hence, the ratio will become 1:3. How old will the mother be after 10 years from now?

(A) 39 years

(B) 54 years

(C) 49 years

(D) 50 years

Correct Answer: (D) 50 years

Solution:

Concept:

This is an age-ratio problem in which the ratio is given at two different points in time.

The important point is that the difference between two people's ages remains constant, while their individual ages change equally with time.

Step 1: Understanding the Question:

Four years ago, Rekha's age and her mother's age were in the ratio 1 : 6.

Let their ages four years ago be x and $6x$, respectively.

Therefore, their present ages are $x + 4$ and $6x + 4$.

Step 2: Applying the Ratio Five Years Hence:

Five years from now is nine years after the time referred to in the first ratio.

Therefore, at that time their ages will be

$$x + 9$$

and

$$6x + 9,$$

respectively.

The required ratio is 1 : 3, so

$$\frac{x + 9}{6x + 9} = \frac{1}{3}.$$

Step 3: Solving the Equation:

Cross-multiplying,

$$3(x + 9) = 6x + 9.$$

Therefore,

$$3x + 27 = 6x + 9.$$

Hence,

$$18 = 3x$$

and

$$x = 6.$$

Step 4: Finding the Mother's Present Age:

The mother's age four years ago was

$$6x = 36.$$

Therefore, her present age is

$$36 + 4 = 40 \text{ years.}$$

After 10 years, her age will be

$$40 + 10 = 50 \text{ years.}$$

Step 5: Final Answer:

The mother's age after 10 years from now will be 50 years.

Therefore, the correct answer is **(D) 50 years**.

Quick Tip: When age ratios are given at different times, choose variables for the ages at one specified point and shift both ages by the same number of years.

Always remember that the age difference remains constant.

For this question, taking the ages four years ago as x and $6x$ makes the later ratio equation straightforward.

51. The length of a hall is 22 m and the width is 18 m. If the sum of the areas of the floor and the roof is equal to the total area of the four walls, then what is the volume of the hall?

(A) 3850.8 m^3

(B) 3875.5 m^3

(C) 3935.2 m^3

(D) 3920.4 m^3

Correct Answer: (D) 3920.4 m^3

Solution:**Concept:**

The question uses the surface-area relationships of a cuboidal hall.

The floor and roof together form two rectangular surfaces, while the four walls form the four lateral faces of the cuboid.

Let the height of the hall be h metres.

The given condition equates the combined area of the floor and roof to the total area of the four walls.

Step 1: Understanding the Dimensions:

Length of the hall = 22 m.

Width of the hall = 18 m.

Let the height = h m.

Step 2: Finding the Area of the Floor and Roof:

Area of the floor is

$$22 \times 18 = 396 \text{ m}^2.$$

The roof has the same area.

Therefore, the combined area is

$$2(22 \times 18) = 792 \text{ m}^2.$$

Step 3: Finding the Height:

The total area of the four walls is

$$2h(22 + 18) = 2h(40) = 80h.$$

According to the question,

$$80h = 792.$$

Therefore,

$$h = \frac{792}{80} = 9.9 \text{ m.}$$

Step 4: Calculating the Volume:

Volume of the cuboidal hall is

$$V = lbh.$$

Hence,

$$V = 22 \times 18 \times 9.9.$$

$$V = 396 \times 9.9 = 3920.4 \text{ m}^3.$$

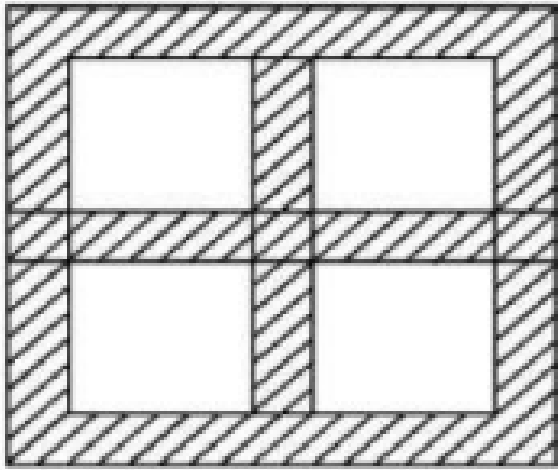
Final Answer:

Therefore, the correct answer is **(D)** 3920.4 m^3 .

Quick Tip: For cuboid questions, remember that the area of the floor and roof is $2lb$, while the area of the four walls is $2h(l + b)$.

Use the given equality first to determine the missing dimension and then calculate the required volume.

52. Inside a rectangular park of dimensions $100 \text{ m} \times 80 \text{ m}$, walking paths 3 m wide are to be constructed as shown in the figure given below. Find the cost of construction of paths at the rate of Rs 120 per m^2 .



- (A) Rs 1,82,580
- (B) Rs 1,84,260
- (C) Rs 1,84,680
- (D) Rs 1,85,400

Correct Answer: (C) Rs 1,84,680

Solution:

Concept:

This question is based on finding the area occupied by paths inside a rectangular region.

The park measures 100 m by 80 m, and the paths are 3 m wide.

From the given figure, there is a 3 m wide path along the boundary and additional 3 m wide paths running through the middle in both directions.

The easiest method is to calculate the total park area and subtract the area left uncovered by the paths.

Step 1: Finding the Total Area of the Park:

The total area is

$$100 \times 80 = 8000 \text{ m}^2.$$

Step 2: Finding the Dimensions of the Inner Uncovered Rectangle:

Since the boundary path is 3 m wide on each side, the inner region has dimensions

$$100 - 2(3) = 94 \text{ m}$$

and

$$80 - 2(3) = 74 \text{ m.}$$

The central vertical path is 3 m wide and the central horizontal path is also 3 m wide.

Thus, each of the four uncovered rectangles has dimensions

$$\frac{94 - 3}{2} = 45.5 \text{ m}$$

and

$$\frac{74 - 3}{2} = 35.5 \text{ m.}$$

Step 3: Finding the Uncovered Area:

Area of one uncovered rectangle is

$$45.5 \times 35.5 = 1615.25 \text{ m}^2.$$

For four rectangles,

$$4 \times 1615.25 = 6461 \text{ m}^2.$$

Step 4: Finding the Area of the Paths:

$$8000 - 6461 = 1539 \text{ m}^2.$$

Step 5: Calculating the Cost:

Cost per square metre = Rs 120.

Therefore, total cost is

$$1539 \times 120 = \text{Rs } 184680.$$

Final Answer:

Therefore, the correct answer is **(C) Rs 1,84,680.**

Quick Tip: For path-area questions, avoid adding individual path areas when several paths overlap. A safer method is to calculate the total area and subtract the uncovered regions, especially when the figure contains intersecting paths.

53. The co-ordinates of midpoints of the sides AB , BC , and CA of a triangle ABC are $(3, 6)$, $(5, 3)$, and $(8, 5)$ respectively. The co-ordinates of vertex A are:

- (A) $(0, 2)$
- (B) $(0, 4)$
- (C) $(6, 8)$
- (D) $(7, 9)$

Correct Answer: (C) $(6, 8)$

Solution:

Concept:

The question uses the midpoint theorem and coordinate geometry.

Let the coordinates of A , B , and C be (x_1, y_1) , (x_2, y_2) , and (x_3, y_3) , respectively.

The midpoint of AB , midpoint of BC , and midpoint of CA are given.

A useful direct relation is that the sum of the coordinates of the midpoints of AB and CA , minus the coordinates of the midpoint of BC , gives the coordinates of A .

Step 1: Assigning the Midpoints:

Let

$$M_{AB} = (3, 6),$$

$$M_{BC} = (5, 3),$$

and

$$M_{CA} = (8, 5).$$

Step 2: Using the Midpoint Relations:

If $A = (x_1, y_1)$, $B = (x_2, y_2)$, and $C = (x_3, y_3)$, then

$$M_{AB} = \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right),$$

$$M_{BC} = \left(\frac{x_2 + x_3}{2}, \frac{y_2 + y_3}{2} \right),$$

and

$$M_{CA} = \left(\frac{x_3 + x_1}{2}, \frac{y_3 + y_1}{2} \right).$$

Step 3: Finding Vertex A:

Adding the first and third midpoint coordinates and subtracting the second gives A.

Thus,

$$A = M_{AB} + M_{CA} - M_{BC}.$$

Therefore,

$$A = (3, 6) + (8, 5) - (5, 3).$$

For the x-coordinate,

$$x = 3 + 8 - 5 = 6.$$

For the y-coordinate,

$$y = 6 + 5 - 3 = 8.$$

Step 4: Final Coordinates:

Hence,

$$A = (6, 8).$$

Final Answer:

Therefore, the correct answer is **(C)** (6, 8).

Quick Tip: When the three side midpoints of a triangle are given, remember the compact relation

$$A = M_{AB} + M_{CA} - M_{BC}.$$

The same cyclic relation can be used to obtain B or C quickly.

54. If $a + b + c = -10$ and $ab + bc + ca = 10$, then the value of the expression $a^3 + b^3 + c^3 - 3abc$ is:

- (A) -700
- (B) -1100
- (C) 900
- (D) 1300

Correct Answer: (A) -700

Solution:

Concept:

The question is based on the standard algebraic identity involving the sum of three cubes and the product of the variables.

The required expression can be simplified using

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca).$$

The given values are $a + b + c = -10$ and $ab + bc + ca = 10$.

Step 1: Finding $a^2 + b^2 + c^2$:

We use

$$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca).$$

Substituting the given values,

$$(-10)^2 = a^2 + b^2 + c^2 + 2(10).$$

Hence,

$$100 = a^2 + b^2 + c^2 + 20.$$

Therefore,

$$a^2 + b^2 + c^2 = 80.$$

Step 2: Evaluating the Bracketed Term:

Now,

$$a^2 + b^2 + c^2 - ab - bc - ca = 80 - 10 = 70.$$

Step 3: Applying the Identity:

Therefore,

$$a^3 + b^3 + c^3 - 3abc = (-10)(70).$$

Thus,

$$a^3 + b^3 + c^3 - 3abc = -700.$$

Step 4: Comparing with the Options:

The value -700 is given in option (A).

Final Answer:

Therefore, the correct answer is (A) -700 .

Quick Tip: For expressions of the form $a^3 + b^3 + c^3 - 3abc$, immediately recall the factorisation identity. If $a + b + c$ and $ab + bc + ca$ are given, first obtain $a^2 + b^2 + c^2$ from $(a + b + c)^2$.

55. Three numbers are in the ratio $4 : 5 : 7$ and their LCM is 5040. Their HCF is:

- (A) 28
- (B) 32
- (C) 35
- (D) 36

Correct Answer: (D) 36

Solution:**Concept:**

When three numbers are given in a ratio, their actual values can be represented by multiplying the ratio terms by a common factor.

The highest common factor of the resulting numbers is closely connected with this common factor when the ratio terms 4, 5, and 7 are mutually coprime.

We can therefore represent the three numbers as $4k$, $5k$, and $7k$.

Step 1: Representing the Numbers:

Let the three numbers be

$$4k, \quad 5k, \quad 7k.$$

Since 4, 5, and 7 have no common factor greater than 1, their HCF is 1.

Step 2: Finding the LCM:

The LCM of 4, 5, and 7 is

$$4 \times 5 \times 7 = 140.$$

Therefore, the LCM of $4k$, $5k$, and $7k$ is

$$140k.$$

Step 3: Using the Given LCM:

We are given

$$140k = 5040.$$

Therefore,

$$k = \frac{5040}{140} = 36.$$

Step 4: Finding the HCF:

Since the ratio terms are mutually coprime, the HCF of the three numbers is exactly k .

Thus,

$$\text{HCF} = 36.$$

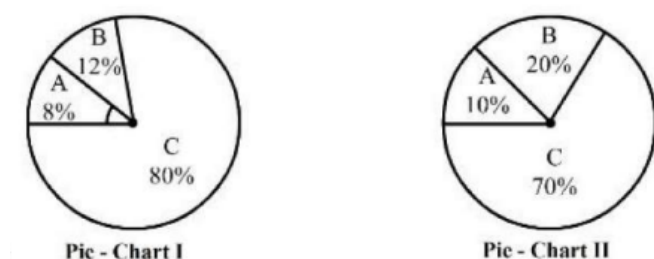
Final Answer:

Therefore, the correct answer is **(D) 36**.

Quick Tip: If the ratio terms are pairwise coprime, write the numbers as ak , bk , and ck . Then the LCM is $\text{LCM}(a, b, c) \times k$, making the common factor easy to determine.

56. Study the pie charts and answer the following question:

In a manufacturing firm there are a total of 150 employees of levels 'A', 'B', and 'C'. Number of employees of different levels have been presented in Pie-Chart I. Number of female employees of different levels have been shown in Pie-Chart II. 40% of the employees are females.



By what percentage are the number of female employees of levels 'A' and 'B' taken together greater than the number of male employees of levels 'A' and 'B' taken together?

- (A) 40%
- (B) 44%
- (C) 48%
- (D) 50%

Correct Answer: (D) 50%

Solution:

Concept:

This question is based on interpreting two pie charts simultaneously.

Pie Chart I gives the distribution of all 150 employees among levels A, B, and C.

Pie Chart II gives the distribution of female employees among the three levels.

Since 40% of all employees are female, the total number of female employees is 40% of 150.

After finding the female and male counts for levels A and B, the required percentage increase

can be calculated using the male count as the base.

Step 1: Finding Total Female Employees:

$$40\% \text{ of } 150 = \frac{40}{100} \times 150 = 60.$$

Step 2: Finding Total Employees at Levels A and B:

From Pie Chart I, $A = 8\%$ and $B = 12\%$.

Therefore,

$$A + B = 20\%.$$

Thus, the number of employees in A and B is

$$20\% \times 150 = 30.$$

Step 3: Finding Female Employees in A and B:

From Pie Chart II, $A = 10\%$ and $B = 20\%$ of the female employees.

Therefore,

$$(10 + 20)\% \times 60 = 30\% \times 60 = 18.$$

Step 4: Finding Male Employees in A and B:

Total employees in $A + B = 30$.

Female employees = 18.

Hence, male employees are

$$30 - 18 = 12.$$

Step 5: Calculating the Percentage Increase:

$$\frac{18 - 12}{12} \times 100 = \frac{6}{12} \times 100 = 50\%.$$

Final Answer:

Therefore, the correct answer is **(D)** 50%.

Quick Tip: Always identify the base population of each pie chart before calculating percentages. Here, Pie Chart I refers to all 150 employees, whereas Pie Chart II refers only to the 60 female employees.

57. The ratio of the number of female employees of levels 'B' and 'C' taken together to the number of male employees of levels 'B' and 'C' taken together, is:

- (A) 22 : 33
- (B) 9 : 14
- (C) 7 : 13
- (D) 5 : 9

Correct Answer: (B) 9 : 14

Solution:

Concept:

The question requires extracting employee counts from the two pie charts and comparing female and male employees for levels *B* and *C*.

The first pie chart gives the total employees at each level, while the second gives the distribution of the female employees.

The total number of female employees is obtained from the statement that 40% of the 150 employees are female.

Step 1: Finding the Total Number of Female Employees:

$$40\% \times 150 = 60.$$

Thus, there are 60 female employees.

Step 2: Finding Employees at Levels B and C :

From Pie Chart I, $B = 12\%$ and $C = 80\%$.

Therefore, the total percentage for $B + C$ is

$$12\% + 80\% = 92\%.$$

Hence, total employees in $B + C$ are

$$92\% \times 150 = 138.$$

Step 3: Finding Female Employees in $B + C$:

From Pie Chart II, $B = 20\%$ and $C = 70\%$.

Thus, female employees in $B + C$ are

$$(20 + 70)\% \times 60 = 90\% \times 60 = 54.$$

Step 4: Finding Male Employees in $B + C$:

$$138 - 54 = 84.$$

Step 5: Finding the Ratio:

The required ratio is

$$54 : 84.$$

Dividing both terms by 6,

$$54 : 84 = 9 : 14.$$

Final Answer:

Therefore, the correct answer is **(B)** 9 : 14.

Quick Tip: For a ratio question involving two pie charts, first convert every percentage into actual numbers.

This avoids mixing percentages from the total population with percentages from a subgroup.

58. Find the median income per day if

Income (₹) per day	1000	1500	800	2000	1800	2500
No. of persons	24	21	16	20	11	30

- (A) Rs 1500
- (B) Rs 1400
- (C) Rs 800
- (D) Rs 1650

Correct Answer: (D) Rs 1650

Solution:

Concept:

This is a discrete frequency distribution question.

To find the median, the observations must first be arranged in ascending order of income.

Then the cumulative frequencies are calculated to locate the middle observation.

Since the total frequency is even in this question, the median is the average of the two middle observations.

Step 1: Arrange the Incomes in Ascending Order:

The income values are

800, 1000, 1500, 1800, 2000, 2500.

Their corresponding frequencies are

16, 24, 21, 11, 20, 30.

Step 2: Calculate the Cumulative Frequencies:

For 800, cumulative frequency = 16.

For 1000, cumulative frequency is

$$16 + 24 = 40.$$

For 1500, cumulative frequency is

$$40 + 21 = 61.$$

For 1800, cumulative frequency is

$$61 + 11 = 72.$$

For 2000, cumulative frequency is 92.

For 2500, cumulative frequency is 122.

Step 3: Locate the Middle Observations:

Total frequency is

$$N = 122.$$

Since N is even, the median is the average of the 61st and 62nd observations.

The 61st observation has income 1500, while the 62nd observation has income 1800.

Step 4: Calculate the Median:

$$\text{Median} = \frac{1500 + 1800}{2} = \frac{3300}{2} = 1650.$$

Final Answer:

Therefore, the correct answer is **(D) Rs 1650**.

Quick Tip: For a discrete frequency distribution, never take the median of the listed values directly. First arrange the variable in ascending order, calculate cumulative frequency, and locate the middle observation or observations.

59. In how many different ways can the letters of the word “EMBROIDERY” be arranged so that all vowels are always positioned together?

- (A) 1,20,960
- (B) 8,640
- (C) 4,320
- (D) 30,240

Correct Answer: (D) 30,240

Solution:

Concept:

This is a permutation problem involving repeated letters and a restriction that all vowels must occur together.

The word EMBROIDERY contains 10 letters.

The vowels are E, E, O, I , giving 4 vowels, with E repeated twice.

The consonants are M, B, R, R, D, Y , giving 6 consonants, with R repeated twice.

The four vowels can therefore be treated as one single block.

Step 1: Form the Vowel Block:

Treat E, E, O, I as one unit.

The remaining six consonants are M, B, R, R, D, Y .

Thus, the total number of units becomes

$$1 + 6 = 7.$$

Step 2: Arrange the Seven Units:

Among these seven units, the two R 's are identical.

Therefore, the number of arrangements is

$$\frac{7!}{2!}.$$

$$\frac{5040}{2} = 2520.$$

Step 3: Arrange the Vowels Within Their Block:

The vowels E, E, O, I can be arranged in

$$\frac{4!}{2!}$$

ways because the two *E*'s are identical.

Thus,

$$\frac{24}{2} = 12.$$

Step 4: Multiply the Independent Arrangements:

Therefore, total arrangements are

$$2520 \times 12 = 30240.$$

Final Answer:

Therefore, the correct answer is **(D)** 30,240.

Quick Tip: Whenever several letters must stay together, treat them as one block first.

Then arrange the block with the remaining letters, taking care of repeated letters both inside and outside the block.

60. How many five letter words with or without meaning, containing 2 vowels and 3 consonants can be formed using the letters of the word “OPTICAL”?

- (A) 1440
- (B) 864
- (C) 288
- (D) 576

Correct Answer: (A) 1440

Solution:

Concept:

The word OPTICAL contains seven distinct letters: O, P, T, I, C, A, L .

Among these, O, I, A are vowels, while P, T, C, L are consonants.

We need to form five-letter arrangements containing exactly 2 vowels and 3 consonants.

Since all seven letters are distinct, combinations can first be used to select the required letters, followed by permutations to arrange them.

Step 1: Select the Two Vowels:

There are 3 vowels, namely O, I, A .

The number of ways to choose 2 vowels is

$${}^3C_2 = 3.$$

Step 2: Select the Three Consonants:

There are 4 consonants, namely P, T, C, L .

The number of ways to choose 3 consonants is

$${}^4C_3 = 4.$$

Step 3: Arrange the Selected Letters:

After selection, we have $2 + 3 = 5$ distinct letters.

These five letters can be arranged in

$$5! = 120$$

ways.

Step 4: Calculate the Total Number of Words:

Therefore, the total number is

$${}^3C_2 \times {}^4C_3 \times 5! = 3 \times 4 \times 120.$$

$$= 1440.$$

Final Answer:

Therefore, the correct answer is (A) 1440.

Quick Tip: For arrangements requiring a fixed number of vowels and consonants, first choose the required vowels and consonants and then arrange all selected letters.

This avoids accidentally counting words with the wrong vowel-consonant composition.

61. A statement is given below followed by two courses of action numbered I and II. Assume everything in the statement to be true and, on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) the statement.

Statement: The condition of all the major roads in the city 'X' has deteriorated due to continuous rain during the last twenty days.

Courses of Action:

- I. The city 'X' civic authority should immediately make arrangements for repairs of the damaged roads.*
- II. Motorists should be alerted at various places by putting up sign boards about the bad patches of the roads to enable them to plan their journey accordingly.*

(A) Only I follows

(B) Only II follows

- (C) Both I & II follow
(D) Neither I nor II follows

Correct Answer: (C) Both I & II follow

Solution:

Concept:

In statement-course of action questions, a course of action follows if it is a practical, reasonable, and immediate step that logically addresses the problem described in the statement, without requiring unstated assumptions.

Step 1: Analyzing Course of Action I:

Since the roads have deteriorated due to rain, it is a direct administrative responsibility of the civic authority to repair the damaged roads immediately.

This is a practical and logical corrective action, so Course I follows.

Step 2: Analyzing Course of Action II:

While repairs are being carried out, alerting motorists through sign boards is a reasonable precautionary and safety measure to prevent accidents and help them plan alternate routes.

This is also a practical and immediate step, so Course II follows.

Step 3: Conclusion:

Since both actions are logical, practical, and directly address the given problem (bad road condition), both should be taken.

Final Answer:

Therefore, the correct answer is **(C) Both I & II follow**.

Quick Tip: In such questions, a course of action follows only if it is a direct, practical, and immediate solution or precaution related to the problem stated, not an extreme, delayed, or unrelated step.

62. A company has to recruit an Engineer from among the candidates A, B, C & D. The criteria defined by the company is as follows:

(i) He/She should have B.Tech or a Higher degree in the relevant field with minimum 60% marks.

(ii) Age should not be more than 30 years.

(iii) Experience should be more than 2 years.

Name	Qualification	Age (Yrs.)	Experience	% Marks in Qualifying degree
A	B.Tech.	30	2 Years	73%
B	M.Tech.	31	5 Years	67%
C	B.Tech.	29	3 Years	70%
D	M.Tech.	28	3 Years	55%

Based on the above mentioned criteria for selection, which candidate is eligible for selection?

(A) Candidate A

(B) Candidate B

(C) Candidate C

(D) Candidate D

Correct Answer: (C) Candidate C

Solution:

Concept:

This is a data-based decision-making problem where each candidate must be checked against all three eligibility criteria simultaneously; a candidate is selected only if they satisfy every condition.

Step 1: Checking Candidate A:

Qualification (B.Tech, 73%) satisfies criterion (i); Age = 30 satisfies criterion (ii).

However, experience = 2 years, but the requirement is "more than 2 years", so A fails criterion (iii).

Step 2: Checking Candidate B:

Qualification (M.Tech, 67%) satisfies criterion (i); Experience = 5 years satisfies criterion (iii).
However, age = 31 > 30, so B fails criterion (ii).

Step 3: Checking Candidate C:

Qualification (B.Tech, 70%) satisfies criterion (i); Age = 29 ≤ 30 satisfies criterion (ii);
Experience = 3 > 2 years satisfies criterion (iii).
Candidate C satisfies all three criteria.

Step 4: Checking Candidate D:

Age = 28 and experience = 3 years satisfy (ii) and (iii), but marks = 55% < 60%, so D fails criterion (i).

Final Answer:

Therefore, the eligible candidate is **(C) Candidate C**.

Quick Tip: In multi-criteria selection problems, check each candidate against every condition one by one and eliminate as soon as one condition fails — this saves time in the exam.

63. Assume the statements to be true even if they seem to be at variance from the commonly known facts. Then decide which of the given conclusions follows from the given statements.

Statements:

All models are fashion designers.

All youtubers are models.

Conclusions:

I. All youtubers are fashion designers.

II. Some models are youtubers.

(A) Only conclusion I follows

(B) Only conclusion II follows

- (C) Neither conclusion I nor II follows
(D) Both conclusions I and II follow

Correct Answer: (D) Both conclusions I and II follow

Solution:

Concept:

This is a syllogism problem. We treat the statements as strictly true and check logical relationships using set inclusion: "All youtubers are models" means the set of youtubers is entirely contained within the set of models, which in turn is contained within the set of fashion designers.

Step 1: Representing the given statements:

All models (M) $\subseteq$ Fashion designers (D).

All youtubers (Y) $\subseteq$ Models (M).

Therefore, $Y \subseteq M \subseteq D$.

Step 2: Checking Conclusion I:

Since $Y \subseteq M$ and $M \subseteq D$, by transitivity $Y \subseteq D$, i.e., "All youtubers are fashion designers" is true.

Hence, Conclusion I follows.

Step 3: Checking Conclusion II:

Since "All youtubers are models" (a universal affirmative, A-type statement), by the rule of conversion, it validly converts to "Some models are youtubers" (I-type statement).

Hence, Conclusion II also follows.

Final Answer:

Therefore, the correct answer is **(D) Both conclusions I and II follow**.

Quick Tip: Remember the valid conversion rule: "All A are B" always validly converts to "Some B are A". Use Venn diagrams to visually confirm nested set relationships in syllogism chains.

64. In a row of boys, Aman is fifteenth from the left end and Dhanush is eighteenth from the right end. If in this row Aman is eleventh from the right end, then what is the position of Dhanush from the left end?

- (A) Seventh
- (B) Eighth
- (C) Ninth
- (D) Tenth

Correct Answer: (B) Eighth

Solution:

Concept:

This is a linear arrangement/ranking problem. The total number of persons in a row can be found using the formula:

Total = (Position from left) + (Position from right) – 1, when both positions refer to the same person.

Step 1: Finding total number of boys:

Aman is 15th from the left and 11th from the right.

$$\text{Total} = 15 + 11 - 1 = 25$$

Step 2: Finding Dhanush's position from the left:

Dhanush is 18th from the right end. Using the same relation:

$$\begin{aligned}\text{Position from left} &= \text{Total} - \text{Position from right} + 1 \\ &= 25 - 18 + 1 = 8\end{aligned}$$

Final Answer:

Therefore, Dhanush's position from the left end is **(B) Eighth**.

Quick Tip: Always use the formula: Total persons = Position from left + Position from right -1 , and rearrange it to find any missing quantity.

65. In the following alpha-numeric series, which option replaces the question mark (?):
AZ2, CX4, EV8, GT16, ?

- (A) HS32
- (B) JT20
- (C) IR32
- (D) JR32

Correct Answer: (C) IR32

Solution:**Concept:**

This is an alpha-numeric series problem where each term consists of two letters and a number, each following its own independent pattern (letter progression and geometric number progression).

Step 1: Analyzing the first letters:

A, C, E, G, $\rightarrow$ each letter skips one letter ($A+2=C$, $C+2=E$, $E+2=G$, $G+2=I$).

So, the next first letter is I.

Step 2: Analyzing the second letters:

Z, X, V, T, $\rightarrow$ each letter decreases by 2 positions ($Z-2=X$, $X-2=V$, $V-2=T$, $T-2=R$).

So, the next second letter is R.

Step 3: Analyzing the numbers:

2, 4, 8, 16, $\rightarrow$ each number doubles the previous one.

So, the next number is $16 \times 2 = 32$.

Step 4: Combining the results:

The next term is IR32.

Final Answer:

Therefore, the correct answer is **(C) IR32**.

Quick Tip: In alpha-numeric series, always separate and analyze each component (first letter, second letter, number) independently rather than treating the whole term as one entity.

66. Ravi is standing at Lal Chowk facing towards East. He turns 90° towards his right and walks 'x' km to reach Shiv Mandir. Then he turns 90° towards his left and walks 3 km to reach Ganesh Chowk. The shortest distance between Lal Chowk and Ganesh Chowk is 5 km. What is the distance between Lal Chowk and Shiv Mandir?

- (A) 3 km
- (B) 4 km
- (C) 5 km
- (D) 25 km

Correct Answer: (B) 4 km

Solution:

Concept:

This is a direction-sense problem. By tracking the turns carefully, the final path forms a right-angled triangle, and the shortest distance between the start and end points is the hypotenuse, which can be found using the Pythagoras theorem.

Step 1: Tracking Ravi's movement:

Ravi starts facing East at Lal Chowk.

Turning 90° right from East means he now faces South; he walks x km to Shiv Mandir.

Turning 90° left from South means he now faces East again; he walks 3 km to Ganesh Chowk.

Step 2: Forming the right triangle:

The path forms a right angle at Shiv Mandir: one leg is x km (South direction), and the other leg is 3 km (East direction).

The straight-line distance from Lal Chowk to Ganesh Chowk (hypotenuse) is given as 5 km.

Step 3: Applying Pythagoras theorem:

$$x^2 + 3^2 = 5^2$$

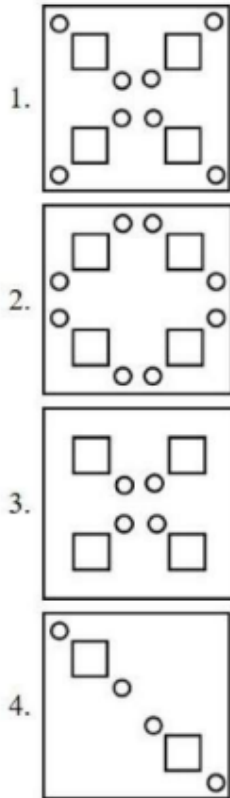
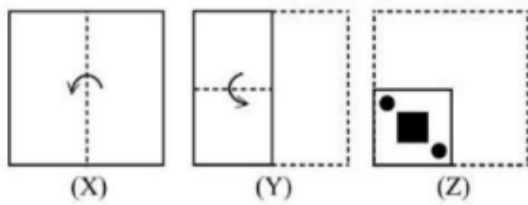
$$x^2 + 9 = 25 \Rightarrow x^2 = 16 \Rightarrow x = 4$$

Final Answer:

Therefore, the distance between Lal Chowk and Shiv Mandir is **(B) 4 km**.

Quick Tip: In direction-sense problems, always sketch the path on paper; whenever a person makes 90° turns forming a right angle, apply the Pythagoras theorem to find the direct distance.

67. Three figures (X), (Y) and (Z) show a sequence of folding of a piece of paper. The shaded portion of figure (Z) shows the manner in which the folded paper has been cut. Select the option which would most closely resemble the unfolded form of figure (Z).



- (A) Option 1
- (B) Option 2
- (C) Option 3
- (D) Option 4

Correct Answer: (B) Option 2

Solution:

Concept:

This is a paper folding and cutting problem. When a paper is folded twice (once vertically and once horizontally, as shown in figures X and Y) and then cut, unfolding it reverses each fold one at a time, reflecting the cut design across each fold line.

Since there are two folds, the final unfolded design must be symmetric about both the ver-

tical and horizontal axes, appearing four times (once in each quadrant), mirrored appropriately.

Step 1: Analyzing Fold X:

The paper is folded along the vertical central line, bringing one half onto the other.

Step 2: Analyzing Fold Y:

The already-folded paper is folded again along a horizontal line, halving it further into a quarter-sized shape.

Step 3: Analyzing the cut in Z:

The shaded cut-out (a square with two dot/circle marks near its corner) is made on this folded quarter.

Step 4: Unfolding the paper:

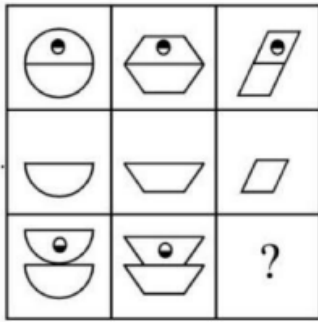
Reversing both folds reflects the cut symmetrically across both the vertical and horizontal mid-lines, reproducing the square and dot pattern in each of the four quadrants of the original full sheet, forming a symmetric ring-like arrangement of squares and dots.

Final Answer:

Therefore, the correct unfolded form is **(B) Option 2**.

Quick Tip: For fold-and-cut problems, count the number of folds — the cut pattern repeats 2^n times (where n = number of folds), symmetric about every fold line. Always check both axes of symmetry in the final answer.

68. Identify the missing figure (?) in the following figure matrix.



- 1.
- 2.
- 3.
- 4.

- (A) Option 1
 (B) Option 2
 (C) Option 3
 (D) Option 4

Correct Answer: (C) Option 3

Solution:

Concept:

This is a figure-matrix pattern completion problem. Each column follows its own shape theme (circle-based, hexagon-based, and parallelogram-based respectively), and each row follows a rule where the third row's figure is a logical combination of the shapes appearing in the first and second rows of the same column, along with a central dot marker.

Step 1: Observing Column-wise pattern:

Column 1 uses circle/semicircle-based shapes, Column 2 uses hexagon/trapezium-based shapes, and Column 3 uses parallelogram-based shapes.

Step 2: Observing Row-wise pattern:

Row 1 shows a full shape with a dot; Row 2 shows a plain "half" version of the shape without a dot; Row 3 combines both the row 1 and row 2 shapes together (with the dot retained), forming a compound figure.

Step 3: Applying the pattern to Column 3:

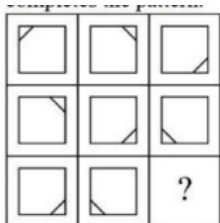
Following the same logic as Columns 1 and 2, the missing figure in Row 3, Column 3 should be a compound shape formed by combining the two parallelogram shapes from Row 1 and Row 2, along with the dot marker retained on top.

Final Answer:

Therefore, the missing figure is **(C) Option 3**.

Quick Tip: In figure-matrix questions, always analyze rows and columns separately to find two independent rules, then combine both rules to identify the missing figure.

69. Choose the most appropriate figure from the options, which would complete the pattern.



- 1.
- 2.
- 3.
- 4.

(A) Option 1

- (B) Option 2
- (C) Option 3
- (D) Option 4

Correct Answer: (D) Option 4

Solution:

Concept:

This is a pattern-completion problem based on a 3×3 grid, where diagonal line segments are progressively added to the corners of each square across the rows and columns.

The number and position of diagonal cuts increase consistently as we move along each row and column.

Step 1: Observing the pattern in each row:

In each row, the number of diagonal corner-lines increases from left to right — the first box has none or one diagonal, the second box has one additional diagonal, and the third box accumulates one more diagonal than the second.

Step 2: Observing the pattern in the third row:

Following the same logic as rows 1 and 2, the third row builds up diagonals at the bottom-left and top-right corners progressively; the missing figure should complete this progression by adding the next diagonal at the appropriate corner.

Step 3: Matching with options:

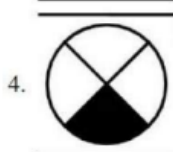
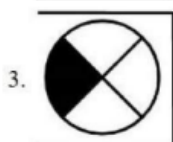
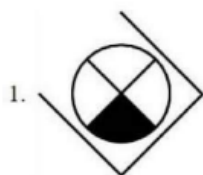
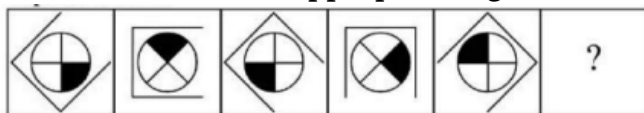
Comparing all four options, the figure that correctly continues the established diagonal-addition sequence (matching both the number and orientation of the diagonal lines) is Option 4.

Final Answer:

Therefore, the correct answer is **(D) Option 4**.

Quick Tip: For progressive diagonal/line-addition patterns, track the exact corner where new lines are added in each step, and continue the same increment consistently for the missing figure.

70. Choose the most appropriate figure which will continue the same sequence below:



- (A) Option 1
- (B) Option 2
- (C) Option 3
- (D) Option 4

Correct Answer: (D) Option 4

Solution:

Concept:

This is a figure-series problem where a circle divided into quarters (by a vertical and horizontal line) has one quarter shaded black, and this shaded quarter rotates in position across the series, while the surrounding frame (diamond or square) alternates.

Step 1: Observing the shading rotation:

The black-shaded quarter of the circle rotates position (clockwise or anticlockwise) by 90° with each step of the sequence.

Step 2: Observing the frame alternation:

The outer frame alternates between a diamond shape and a square shape at alternate positions in the sequence.

Step 3: Determining the next figure:

Continuing the rotation of the shaded quarter consistently and following the established alternation, the next (6th) figure in the sequence should show the circle with the shaded quarter rotated to the next logical position.

Step 4: Matching with the options:

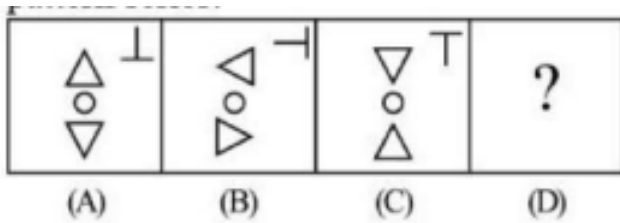
Comparing the rotation direction and final shaded position with the four given options, Option 4 correctly continues the shading rotation pattern.

Final Answer:

Therefore, the correct answer is **(D) Option 4**.

Quick Tip: In rotating-shade figure series, track the shaded portion's movement (clockwise/anticlockwise, by how many degrees) separately from any frame changes to avoid confusion.

71. Choose the most appropriate figure which will continue the pattern/series:



- 1.
- 2.
- 3.
- 4.

- (A) Option 1
 (B) Option 2
 (C) Option 3
 (D) Option 4

Correct Answer: (C) Option 3

Solution:

Concept:

This is a figure-series problem involving a triangle (arrow-like shape) that rotates its direction, along with a circle in the middle and a small perpendicular corner-symbol that also rotates with each step of the series.

Step 1: Observing the triangle rotation:

In each successive box (A, B, C), the top and bottom triangles rotate direction by 90° , cycling through upward, rightward, downward, and leftward orientations.

Step 2: Observing the corner symbol rotation:

The small perpendicular mark (, , or T-shape) in the top-right corner of each box also rotates by 90° in sync with the triangle rotation.

Step 3: Determining the missing (D) figure:

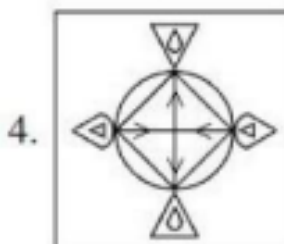
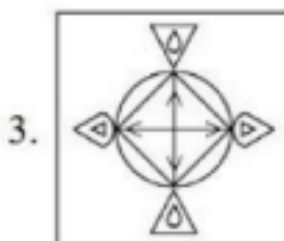
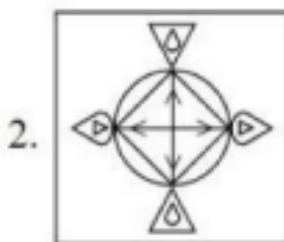
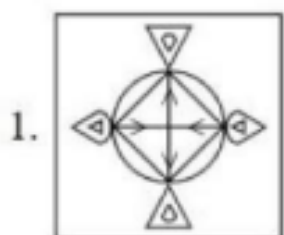
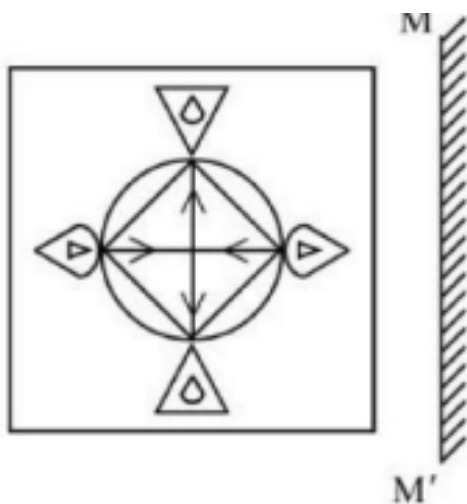
Continuing the established 90° rotation for both the triangles and the corner symbol from box C, the missing figure D should show the triangles rotated to the next position with the corresponding corner symbol.

Final Answer:

Therefore, the correct answer is **(C) Option 3**.

Quick Tip: When a figure series has multiple moving elements (shape orientation + corner symbol), track each element's rotation independently and ensure the final answer satisfies both patterns simultaneously.

72. Choose the most appropriate mirror-image of the following figure along MM':



(A) Option 1

(B) Option 2

(C) Option 3

(D) Option 4

Correct Answer: (D) Option 4

Solution:

Concept:

A mirror image along a vertical line MM' (placed on the right side of the figure) reverses the figure left-to-right, while elements lying exactly on the mirror line or purely vertical elements remain unaffected in their vertical position.

Step 1: Identifying fixed and variable elements:

The upward and downward triangles (at top and bottom) that are symmetric about the vertical axis stay largely unchanged, while horizontal arrow-like triangles pointing left and right swap their positions and orientation.

Step 2: Applying the mirror rule:

In a vertical mirror reflection, every point (x, y) maps to $(-x, y)$ relative to the mirror line — so left-pointing elements become right-pointing and vice versa, and the overall left-right arrangement is reversed while up-down arrangement is preserved.

Step 3: Matching with the options:

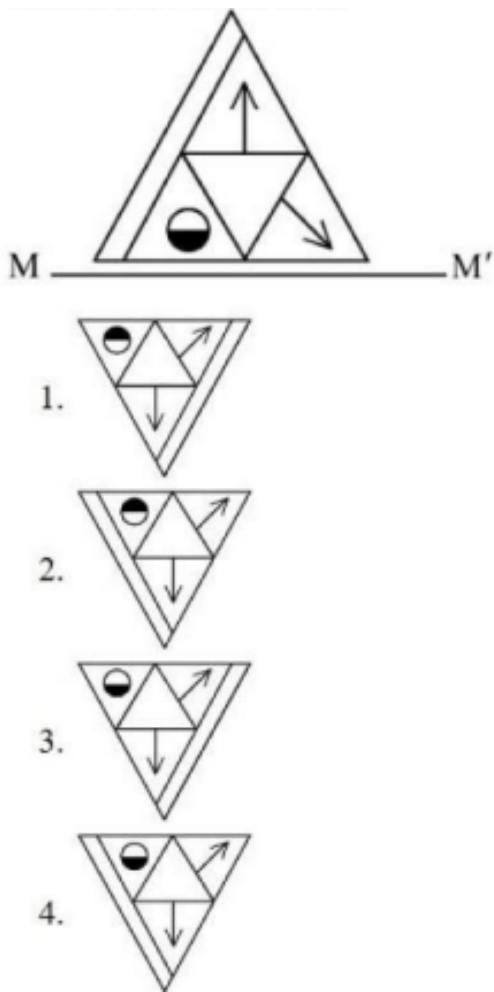
Comparing all the internal arrow directions and triangle placements with each option, Option 4 correctly reflects the given figure as it would appear when viewed in a mirror placed along MM' .

Final Answer:

Therefore, the correct answer is **(D) Option 4**.

Quick Tip: For a vertical mirror line, always flip the figure left-to-right only; elements on the vertical axis of symmetry remain unchanged, and left/right arrows or triangles simply swap sides.

73. Which of the following options is the most appropriate water-image of the figure along MM' :



- (A) Option 1
- (B) Option 2
- (C) Option 3
- (D) Option 4

Correct Answer: (B) Option 2

Solution:

Concept:

A water-image is obtained by reflecting a figure about a horizontal line (MM') placed at its base, effectively flipping the figure upside-down while keeping the left-right orientation unchanged.

Step 1: Flipping the outer triangle:

The given triangle points upward (apex up); after the water reflection about the horizontal line MM' at its base, the triangle points downward (apex down).

Step 2: Flipping internal arrows:

Any arrow pointing upward within the triangle will point downward after reflection, and any diagonal arrow pointing down-right will point up-right after reflection, since a vertical flip reverses the vertical (y) component of direction while preserving the horizontal (x) component.

Step 3: Flipping the marker:

The half-shaded circular marker (black on the bottom half) will appear with the black portion on the top half after the water-image reflection.

Step 4: Matching with options:

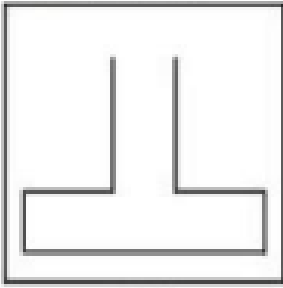
Combining the inverted triangle, reversed arrow directions, and repositioned marker, Option 2 correctly represents the water-image of the given figure.

Final Answer:

Therefore, the correct answer is **(B) Option 2**.

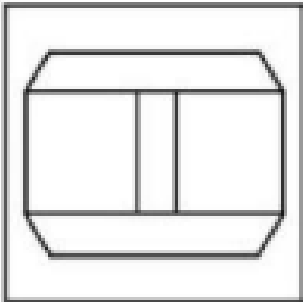
Quick Tip: For water-images, always flip the figure vertically (upside down) about the horizontal mirror line; unlike a plane mirror image, left and right positions remain unchanged, only up-down is reversed.

74. Choose one of the alternatives in which the given figure (X) is embedded:

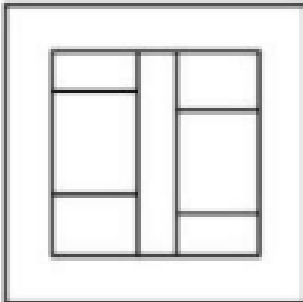


(X)

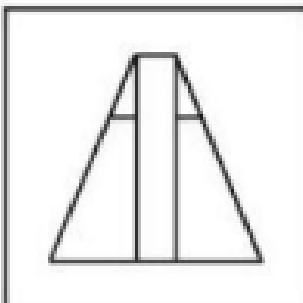
1.



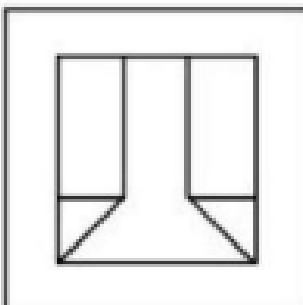
2.



3.



4.



(A) Option 1

(B) Option 2

(C) Option 3

(D) Option 4

Correct Answer: (D) Option 4

Solution:

Concept:

This is an embedded-figure problem where the given figure (X), a T-shaped structure formed by a vertical stem within a rectangular base, must be traced within one of the four larger, more complex figures without any alteration in its shape, size, or orientation.

Step 1: Analyzing figure X:

Figure X consists of a rectangular outer boundary with two vertical lines rising from the top forming a "T"-like protrusion in the upper-middle portion.

Step 2: Checking each option systematically:

Each option is scanned for a matching rectangular base with a similar central protrusion pattern, ensuring the proportions and line placements exactly correspond to figure X.

Step 3: Identifying the correct match:

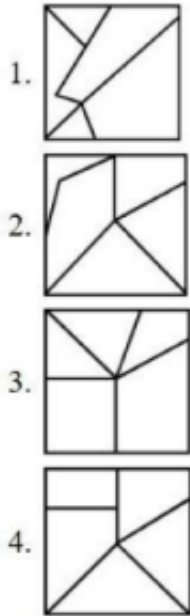
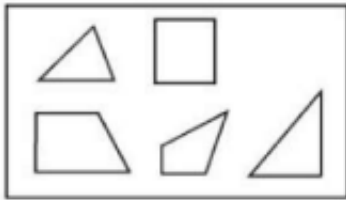
Option 4 contains a lower rectangular section with two vertical lines extending upward in the middle, exactly matching the structure and proportions of figure X when traced along its outline.

Final Answer:

Therefore, the correct answer is **(D) Option 4**.

Quick Tip: For embedded figure questions, focus on the distinct "corner" or "junction" points of the given figure first, and trace those specific points within the complex figures to quickly eliminate wrong options.

75. Among the four options, which one can be formed from the cut out pieces given below?



- (A) Option 1
- (B) Option 2
- (C) Option 3
- (D) Option 4

Correct Answer: (C) Option 4

Solution:

Concept:

This question is based on spatial visualization and figure formation from given cut-out pieces. The task is to determine which option can be assembled using all the pieces shown in the question without overlapping, leaving gaps, or changing the shape of the individual pieces. The pieces include triangular, rectangular, trapezoidal, and irregular quadrilateral forms, so their relative edges and angles must be matched carefully.

Step 1: Identify the Available Pieces:

The given set contains five pieces with different geometric structures.

There is a small triangular piece, a square-like piece, a larger trapezoidal piece, an irregular quadrilateral piece, and another triangular piece.

Each piece has distinctive straight edges that can be matched against the internal boundaries of the proposed completed figures.

Step 2: Check Edge Compatibility:

A valid completed figure must use the long diagonal edges and shorter horizontal or vertical edges in a way that creates a complete outer boundary.

The diagonal edges of the triangular pieces must correspond to diagonal portions of the proposed figure.

The square-like piece requires compatible horizontal and vertical boundaries.

Step 3: Evaluate the Options:

Options (A), (B), and (D) contain boundary arrangements that cannot accommodate all the given pieces simultaneously without producing incompatible edge lengths or shapes.

Option (C), however, provides an arrangement in which the pieces can be fitted together along their matching edges.

The internal junctions and outer boundary are consistent with the shapes of the supplied cut-out pieces.

Step 4: Confirm the Complete Formation:

When the pieces are appropriately rotated and placed in option (C), their edges meet to form the complete square-like figure shown.

No additional piece or alteration is required, and all the supplied pieces are accounted for.

Final Answer:

Therefore, the correct answer is **(C)**.

Quick Tip: For cut-out figure questions, compare distinctive edges first, especially long diagonals and unique corners.

Try to match the unusual pieces before placing simple square or rectangular pieces, as they usually determine the correct arrangement quickly.

76. 'Thousand Pillar Temple' is located in which state of India?

- (A) Kerala
- (B) West Bengal
- (C) Telangana
- (D) Karnataka

Correct Answer: (C) Telangana

Solution:

Concept:

This question is based on Indian medieval temple architecture and heritage monuments, specifically the Kakatiya dynasty's architectural contributions.

Step 1: Identifying the monument:

The Thousand Pillar Temple is a star-shaped temple dedicated to Lord Shiva, Vishnu, and Surya, built during the reign of the Kakatiya dynasty.

Step 2: Locating the temple:

It is located in Hanamkonda, near Warangal, in the state of Telangana, and is renowned for its intricately carved pillars and rock-cut elephants.

Step 3: Eliminating other options:

Kerala, West Bengal, and Karnataka are known for different architectural styles (such as Kerala's sloped-roof temples or Karnataka's Hoysala temples), none of which correspond to this specific monument.

Final Answer:

Therefore, the correct answer is **(C) Telangana**.

Quick Tip: Remember famous Kakatiya-era monuments (Thousand Pillar Temple, Warangal Fort, Ramappa Temple) are all located in Telangana, a fact frequently tested in GK sections of design entrance exams.

77. The most popular theme of Basohli painters was the:

- (A) Rasmanjari of Bhanu Dutta
- (B) Playing Chaugan at Bijapur
- (C) Noah's Ark
- (D) Princess of the House of Timur

Correct Answer: (A) Rasmanjari of Bhanu Dutta

Solution:**Concept:**

This question is based on the history of Indian miniature painting schools, particularly the Pahari school of painting, of which Basohli is one of the earliest and most vibrant sub-styles.

Step 1: Understanding the Basohli school:

The Basohli school of painting, flourishing in the Jammu region during the 17th-18th centuries, is known for its bold colours, strong lines, and intense emotional expression.

Step 2: Identifying the popular theme:

The most celebrated and frequently illustrated theme by Basohli painters was the Rasmanjari, a poetic text by Bhanu Dutta describing various types of heroes and heroines (nayaka-nayika bheda) in romantic and devotional contexts.

Step 3: Eliminating other options:

"Playing Chaugan at Bijapur" relates to the Deccan school, "Noah's Ark" and "Princess of the House of Timur" relate to Mughal painting themes, not Basohli.

Final Answer:

Therefore, the correct answer is **(A) Rasmanjari of Bhanu Dutta**.

Quick Tip: Associate each Pahari sub-school with its signature theme: Basohli with Rasmanjari, Kangra with Bhagavata Purana and Gita Govinda themes — this helps quickly answer art-history questions.

78. The painting 'Falcon Perched on a Bird Rest' (1615) was painted by which artist?

- (A) Shah Abhas
- (B) Ustad Mansur
- (C) Hazi Madni
- (D) Dara Shikoh

Correct Answer: (B) Ustad Mansur

Solution:

Concept:

This question tests knowledge of Mughal court painters, particularly those associated with the naturalistic depiction of flora and fauna during Emperor Jahangir's reign.

Step 1: Identifying the artist's specialty:

Ustad Mansur was a celebrated painter in Emperor Jahangir's court, renowned for his exceptionally naturalistic and detailed paintings of birds, animals, and flowers.

Step 2: Connecting to the given painting:

'Falcon Perched on a Bird Rest' (1615) is one of his well-documented works, reflecting the Mughal fascination with natural history illustration under Jahangir's patronage.

Step 3: Eliminating other options:

Shah Abbas was a Safavid ruler (not a painter), Hazi Madni and Dara Shikoh are not primarily associated with this specific naturalistic painting genre.

Final Answer:

Therefore, the correct answer is **(B) Ustad Mansur**.

Quick Tip: Ustad Mansur is often called "Nadir-al-Asr" (Wonder of the Age) for his bird and animal studies — remember this title to quickly identify his works in exams.

79. Match the LIST-I with LIST-II

LIST-I (Embroidery)		LIST-II (State)	
A.	Phulkari	I.	Punjab
B.	Chikankari	II.	Uttar Pradesh
C.	Gota	III.	Rajasthan
D.	Kasuti	IV.	Karnatka

Choose the correct answer from the options given below:

- (A) A-I, B-II, C-III, D-IV
- (B) A-I, B-II, C-IV, D-III
- (C) A-II, B-I, C-III, D-IV
- (D) A-IV, B-II, C-III, D-I

Correct Answer: (A) A-I, B-II, C-III, D-IV

Solution:

Concept:

This question tests knowledge of India's regional embroidery traditions and their state of origin, an important topic in the textile and craft heritage section of design entrance exams.

Step 1: Matching Phulkari:

Phulkari, meaning "flower work," is a traditional floral embroidery style native to Punjab, done using darn stitches on shawls and dupattas.

Step 2: Matching Chikankari:

Chikankari is a delicate white-thread embroidery style traditionally associated with Lucknow, Uttar Pradesh.

Step 3: Matching Gota:

Gota work, using metallic ribbon appliqué, is a traditional embroidery craft of Rajasthan.

Step 4: Matching Kasuti:

Kasuti is an intricate hand embroidery style native to Karnataka, historically associated with the Ilkal sarees.

Final Answer:

Therefore, the correct match is **(A) A-I, B-II, C-III, D-IV.**

Quick Tip: Create quick mental associations: Phulkari–Punjab, Chikankari–Lucknow (UP), Gota–Rajasthan, Kasuti–Karnataka; such embroidery-state pairs are frequently repeated in NIFT GK papers.

80. Which of the following Purans speaks of five white tones?

- (A) Markandeya
- (B) Varha
- (C) Vishnudharmottara
- (D) Skanda

Correct Answer: (C) Vishnudharmottara

Solution:

Concept:

This question is based on ancient Indian textual references to art theory, particularly the "Chitrasutra" section which is a well-known treatise on painting.

Step 1: Identifying the text:

The Vishnudharmottara Purana contains the "Chitrasutra," the oldest surviving Indian text dealing systematically with the theory and practice of painting.

Step 2: Connecting to the specific reference:

This text elaborately describes various colour tones, including a classification of five white tones used to depict different subjects and moods in traditional Indian painting.

Step 3: Eliminating other options:

Markandeya, Varha, and Skanda Puranas are primarily devoted to mythological narratives and cosmology, not specifically to painting or colour theory.

Final Answer:

Therefore, the correct answer is (C) Vishnudharmottara.

Quick Tip: Always remember the Vishnudharmottara Purana as the source of the "Chitrasutra," the foundational ancient Indian text on painting theory, often referenced in art-history GK questions.

81. The arm guard which was a part of Indian Armour Ensemble has now become which jewellery item that is worn on the upper arm?

(A) Churamani

- (B) Char-aina
- (C) Zirah bakhtar
- (D) Bajubandh

Correct Answer: (D) Bajubandh

Solution:

Concept:

This question tests knowledge of the historical evolution of Indian jewellery, where certain functional armour pieces from military ensembles were gradually transformed into decorative ornaments.

Step 1: Understanding the historical arm guard:

In traditional Indian armour, a protective guard was worn on the upper arm to shield it during combat.

Step 2: Tracing its transformation:

Over time, this functional arm guard evolved into "Bajubandh," a decorative armlet worn on the upper arm, especially popular in traditional Indian bridal and classical dance jewellery.

Step 3: Eliminating other options:

Churamani is a hair ornament, Char-aina is a four-mirror chest armour plate, and Zirah bakhtar refers to chainmail armour — none of which relate to upper-arm jewellery.

Final Answer:

Therefore, the correct answer is **(D) Bajubandh**.

Quick Tip: Note how several traditional Indian jewellery items (Bajubandh, Payal, Kamarbandh) have historical roots in functional armour or utility items — a recurring GK theme in NIFT papers.

82. Government of India had launched the Eco Mark scheme administered by the Central Pollution Control Board (CPCB) in partnership with the Bureau of Indian Standards (BIS). What is the logo of Eco Mark?

- (A) An Earthen pot
- (B) A green star
- (C) A green circle
- (D) Two leaves/A twig

Correct Answer: (A) An Earthen pot

Solution:

Concept:

This question is based on environmental certification schemes in India, specifically the Eco Mark scheme, launched in 1991 to identify environment-friendly products for consumers.

Step 1: Understanding the scheme:

The Eco Mark scheme is jointly administered by the CPCB and the BIS to certify products that are less harmful to the environment throughout their life cycle.

Step 2: Identifying the logo:

The official Eco Mark logo is depicted as an earthen pot (matka), symbolizing India's traditional ecological consciousness and sustainability.

Step 3: Eliminating other options:

A green star, green circle, and two leaves/twig are commonly associated with other environmental or organic certification symbols internationally, but not with India's official Eco Mark.

Final Answer:

Therefore, the correct answer is **(A) An Earthen pot**.

Quick Tip: Remember that India's Eco Mark logo (earthen pot) is distinct from international eco-labels; such specific national scheme symbols are commonly tested in current affairs sections.

83. The famous 'Pochampally' embroidery is related to which of the following state of India?

- (A) Tamil Nadu
- (B) Telangana
- (C) West Bengal
- (D) Gujarat

Correct Answer: (B) Telangana

Solution:

Concept:

This question tests knowledge of India's regional textile crafts, particularly geographical indication (GI) tagged handloom traditions.

Step 1: Identifying Pochampally:

Pochampally is a village famous for its distinctive Ikat-style tie-and-dye weaving technique, producing intricately patterned silk and cotton fabrics.

Step 2: Locating the craft:

Pochampally is located in the state of Telangana, and its Ikat weaving has received a Geographical Indication (GI) tag for its unique craftsmanship.

Step 3: Eliminating other options:

Tamil Nadu, West Bengal, and Gujarat have their own distinct textile traditions (such as Kanjeevaram, Baluchari, and Patola respectively), which are different from Pochampally's Ikat style.

Final Answer:

Therefore, the correct answer is **(B) Telangana**.

Quick Tip: Associate Pochampally Ikat firmly with Telangana; note that it is technically a resist-dyeing/weaving technique rather than hand embroidery, though commonly grouped under textile crafts.

84. A fashion technologist wants to speed up the dyeing of cotton. According to diffusion principles, what step will most effectively increase dye penetration?

- (A) Lowering the temperature to reduce dye movement
- (B) Increasing temperature to enhance molecular diffusion
- (C) Using ice water to lock colour
- (D) Decreasing dye concentration

Correct Answer: (B) Increasing temperature to enhance molecular diffusion

Solution:

Concept:

This question is based on the scientific principle of diffusion as applied to textile dyeing, where dye molecules move from a region of higher concentration (dye bath) into the fibre.

Step 1: Understanding diffusion in dyeing:

According to diffusion principles, the rate of molecular movement of dye particles into the fibre depends directly on the kinetic energy of the molecules, which increases with temperature.

Step 2: Analyzing the effect of temperature:

Increasing the temperature of the dye bath increases the kinetic energy of dye molecules, causing faster and more effective penetration into the cotton fibre structure, thereby speeding up the dyeing process.

Step 3: Eliminating other options:

Lowering temperature or using ice water would slow molecular movement and reduce dye penetration, while decreasing dye concentration would reduce the diffusion gradient, also slowing the process rather than speeding it up.

Final Answer:

Therefore, the correct answer is **(B) Increasing temperature to enhance molecular diffusion.**

Quick Tip: Remember: in diffusion-based processes (dyeing, printing), higher temperature generally increases molecular kinetic energy and speeds up penetration, unless the fibre or dye is heat-sensitive.

85. A sports wear company wants to manufacture a jacket that maintains body temperature in cold climates using phase-change materials (PCMs). Which scientific property makes PCMs ideal for this?

- (A) They reflect UV radiation
- (B) They absorb and release heat during solid-liquid transitions
- (C) They increase elasticity of fibres
- (D) They reduce air permeability

Correct Answer: (B) They absorb and release heat during solid-liquid transitions

Solution:

Concept:

This question is based on the science of thermoregulating textiles, particularly Phase Change Materials (PCMs), which are used in advanced sportswear and outdoor clothing for temperature control.

Step 1: Understanding Phase Change Materials:

PCMs are substances capable of storing and releasing large amounts of latent heat as they

change physical state (typically between solid and liquid) at a specific temperature.

Step 2: Applying this to body temperature regulation:

When the body becomes warm, PCMs absorb the excess heat and melt (solid to liquid), and when the body cools, they release stored heat and solidify again, thereby buffering temperature fluctuations.

Step 3: Eliminating other options:

Reflecting UV radiation, increasing fibre elasticity, and reducing air permeability are unrelated to the fundamental thermal energy storage mechanism that defines PCM functionality.

Final Answer:

Therefore, the correct answer is **(B) They absorb and release heat during solid-liquid transitions.**

Quick Tip: Remember PCMs work on the principle of "latent heat storage" during phase transitions, making them ideal for smart, temperature-regulating textiles used in sportswear and thermal clothing.

86. Which state has the most number of jute mills in India?

- (A) West Bengal
- (B) Uttar Pradesh
- (C) Andhra Pradesh
- (D) Bihar

Correct Answer: (A) West Bengal

Solution:

Concept:

This question is based on the geography of Indian textile industries, particularly the jute industry, which is concentrated in specific regions due to raw material availability and historical development.

Step 1: Understanding jute cultivation and processing:

Jute is primarily cultivated in the Ganga-Brahmaputra delta region, which provides the fertile alluvial soil and humid climate ideal for its growth.

Step 2: Identifying the leading state:

West Bengal, located in this fertile delta region and historically home to Kolkata's colonial-era jute industry (centered around the Hooghly river), houses the largest number of jute mills in India.

Step 3: Eliminating other options:

Uttar Pradesh, Andhra Pradesh, and Bihar do not have comparable concentrations of jute mills, as they lack the same historical industrial infrastructure and raw material proximity.

Final Answer:

Therefore, the correct answer is **(A) West Bengal**.

Quick Tip: Remember West Bengal's dominance in jute production and processing is due to the Hooghly river belt's historical industrial development and proximity to jute-growing regions.

87. Which Indian city is famously known as the 'Manchester of India' because of its textile manufacturing industry during the colonial period?

- (A) Odisha
- (B) Ahmedabad
- (C) Bombay
- (D) Calcutta

Correct Answer: (B) Ahmedabad

Solution:

Concept:

This question tests knowledge of colonial-era industrial history in India, specifically the development of cotton textile mills in various cities, drawing a comparison with Manchester, England's historic textile hub.

Step 1: Understanding the comparison:

Manchester in England was the global center of cotton textile manufacturing during the Industrial Revolution, and Indian cities with similarly large-scale cotton mill industries earned comparable nicknames.

Step 2: Identifying the Indian city:

Ahmedabad, due to its extensive network of cotton textile mills established during the colonial period, came to be popularly known as the "Manchester of India."

Step 3: Eliminating other options:

Odisha is not primarily known for textile mills; Bombay had a significant textile industry too but is not the city traditionally given this specific title; Calcutta was more prominent for the jute industry.

Final Answer:

Therefore, the correct answer is **(B) Ahmedabad**.

Quick Tip: Remember key city nicknames: Ahmedabad – "Manchester of India" (cotton textiles), Kanpur – "Manchester of the East" (leather and textiles), Kolkata – jute hub.

88. The ratio of the length to the height (width) of the National Flag of India should be:

(A) 2:1

- (B) 3:2
- (C) 16:4
- (D) 7:6

Correct Answer: (B) 3:2

Solution:

Concept:

This question is based on the official specifications of the National Flag of India as laid down in the Flag Code of India, which governs its dimensions, colours, and display protocol.

Step 1: Recalling the official specification:

As per the Flag Code of India, the National Flag must always be rectangular in shape with a fixed ratio between its length and height.

Step 2: Stating the correct ratio:

The official ratio of length to height (width) of the National Flag is 3:2, meaning for every 3 units of length, the flag must be 2 units in height.

Step 3: Eliminating other options:

Ratios like 2:1, 16:4 (which simplifies to 4:1), and 7:6 do not correspond to the legally prescribed dimensions of the Indian National Flag.

Final Answer:

Therefore, the correct answer is **(B) 3:2**.

Quick Tip: Always remember the National Flag's official length-to-height ratio is 3:2, as prescribed by the Bureau of Indian Standards and the Flag Code of India, 2002.

89. 'NITI' Aayog is a premier policy think tank established by the Government of India in the year 2015. The full form of NITI is _____

- (A) Nation Institute for Transforming India
- (B) New Institute for Transforming India
- (C) National Institution for Transforming India
- (D) Nodal Institute for Transforming India

Correct Answer: (C) National Institution for Transforming India

Solution:

Concept:

This question is based on current affairs and Indian governance structures, specifically the policy think tank that replaced the erstwhile Planning Commission.

Step 1: Understanding the background:

NITI Aayog was established in 2015 by the Government of India to serve as the premier policy think tank, providing strategic and technical advice to the central and state governments.

Step 2: Recalling the full form:

NITI stands for "National Institution for Transforming India," reflecting its role in driving development-oriented policy reforms across the country.

Step 3: Eliminating other options:

The other options use incorrect words (Nation, New, Nodal) which do not match the officially adopted full form of NITI Aayog.

Final Answer:

Therefore, the correct answer is **(C) National Institution for Transforming India**.

Quick Tip: Remember NITI Aayog replaced the Planning Commission in 2015 and its correct full form is "National Institution for Transforming India" — a frequently tested current affairs fact.

90. Which initiative in India is NOT a part of Leveraging Technology and Innovation?

- (A) Skill India Digital Hub
- (B) National Apprenticeship Portal
- (C) Bharat Skills
- (D) Jan Shikshan Sansthan Scheme

Correct Answer: (D) Jan Shikshan Sansthan Scheme

Solution:

Concept:

This question is based on current government initiatives related to skill development and their categorization under technology-driven versus traditional community-based schemes.

Step 1: Identifying technology-based initiatives:

Skill India Digital Hub, National Apprenticeship Portal, and Bharat Skills are all digital platforms designed to leverage technology for skill mapping, online training, and apprenticeship management.

Step 2: Identifying the exception:

The Jan Shikshan Sansthan Scheme is a grassroots, community-based adult and non-formal education and vocational training scheme, which primarily operates through physical institutions rather than being a digital/technology-driven initiative.

Step 3: Concluding the distinction:

Since the question asks for the initiative NOT part of leveraging technology and innovation, the Jan Shikshan Sansthan Scheme stands out as the traditional, non-digital scheme among the given options.

Final Answer:

Therefore, the correct answer is **(D) Jan Shikshan Sansthan Scheme**.

Quick Tip: Distinguish digital-first government platforms (Skill India Digital Hub, e-Shram, Bharat Skills) from traditional grassroots schemes (Jan Shikshan Sansthan) when answering "leveraging technology" based questions.

91. Who launched the 'VisioNxt Fashion Forecasting Initiative' of NIFT, a bilingual web portal and the India-Specific Fashion Trend Book 'Paridhi 24x25'?

- (A) Shri Pabitra Margherita
- (B) Shri Giriraj Singh
- (C) Smt. Rachna Shah
- (D) Smt. Protima Sen

Correct Answer: (B) Shri Giriraj Singh

Solution:

Concept:

This question is based on recent institutional current affairs related to NIFT (National Institute of Fashion Technology) and its initiatives under the Ministry of Textiles, Government of India.

Step 1: Understanding the initiative:

The 'VisioNxt Fashion Forecasting Initiative' is a NIFT project aimed at providing India-specific fashion trend forecasting through a bilingual digital portal and an accompanying trend book, 'Paridhi 24x25'.

Step 2: Identifying the launching authority:

As NIFT functions under the Ministry of Textiles, such flagship initiatives are typically launched by the Union Minister of Textiles, who at the time was Shri Giriraj Singh.

Step 3: Eliminating other options:

The other names listed are not associated with the Ministry of Textiles' portfolio in the context of this specific launch.

Final Answer:

Therefore, the correct answer is **(B) Shri Giriraj Singh**.

Quick Tip: Keep track of the current Union Minister of Textiles, as NIFT-related institutional launches and current affairs questions are frequently linked to this ministerial portfolio.

92. Name the fashion designer who speaks about his/her philosophical approach to fashion in the following quote: "I am always driven to push forward, searching for what is modern. That's what motivates me."

- (A) Issey Miyake
- (B) Ralph Lauren
- (C) Donna Karan
- (D) Donatella Versace

Correct Answer: (D) Donatella Versace

Solution:**Concept:**

This question tests knowledge of famous fashion designers and their well-documented philosophies and public statements about design and creativity.

Step 1: Analyzing the quote:

The quote reflects a constant drive towards modernity and forward-thinking design, a philosophy strongly associated with bold, contemporary luxury fashion houses.

Step 2: Identifying the designer:

This particular quote is attributed to Donatella Versace, the creative director of the Versace fashion house, known for her emphasis on modern, glamorous, and boundary-pushing design

sensibilities.

Step 3: Eliminating other options:

Issey Miyake is known for his minimalist and technical pleating philosophy, Ralph Lauren for classic American style, and Donna Karan for her "Seven Easy Pieces" concept — none matching this specific quote's tone.

Final Answer:

Therefore, the correct answer is **(D) Donatella Versace**.

Quick Tip: Fashion designer quote-matching questions require familiarity with each designer's signature philosophy — associate "modernity and boldness" with Versace, "minimalism" with Miyake, and "classic Americana" with Ralph Lauren.

93. In the year 1986, who made a painting named 'Fairy Tales from Purvapalli' in which water and oil colours on acrylic sheet were used?

- (A) Jamini Roy
- (B) Krishna Reddy
- (C) Debi Prasad Roy
- (D) K.G. Subramanyan

Correct Answer: (D) K.G. Subramanyan

Solution:

Concept:

This question is based on modern Indian art history, particularly artists associated with Santiniketan and innovative mixed-media techniques such as reverse painting on acrylic sheets.

Step 1: Understanding the artist's technique:

K.G. Subramanyan was renowned for his versatile artistic practice, including his distinctive technique of painting with both water and oil-based colours on acrylic sheets, often narrating folk and fantastical themes.

Step 2: Connecting to the specific work:

'Fairy Tales from Purvapalli' (1986) is one of his notable works reflecting this technique, drawing inspiration from local folklore and his surroundings at Santiniketan (Purvapalli being a locality there).

Step 3: Eliminating other options:

Jamini Roy is known for his folk-inspired flat paintings, Krishna Reddy for printmaking and sculpture, and Debi Prasad Roy is not primarily associated with this specific acrylic sheet technique.

Final Answer:

Therefore, the correct answer is **(D) K.G. Subramanyan**.

Quick Tip: Remember K.G. Subramanyan's association with Santiniketan and his experimental technique of painting on both sides of acrylic sheets, a distinctive contribution to modern Indian art.

94. What is the architectural design of Ram Mandir which is built at Ayodhya, Uttar Pradesh?

- (A) Dravidian style
- (B) Nagara style
- (C) Vesara style
- (D) Indo-Persian style

Correct Answer: (B) Nagara style

Solution:

Concept:

This question is based on Indian temple architecture styles, which are broadly classified into Nagara (North Indian), Dravidian (South Indian), and Vesara (hybrid, Deccan) styles.

Step 1: Understanding temple architecture classification:

The Nagara style is characterized by its curvilinear tower (shikhara) and is predominantly found in North Indian temples.

Step 2: Applying this to Ram Mandir, Ayodhya:

The newly constructed Ram Mandir at Ayodhya, Uttar Pradesh, has been built following the traditional Nagara style of temple architecture, reflecting North Indian temple design principles.

Step 3: Eliminating other options:

Dravidian style is associated with South Indian temples (like those in Tamil Nadu), Vesara is a hybrid Deccan style, and Indo-Persian style relates to Mughal-era architecture, none matching Ram Mandir's design.

Final Answer:

Therefore, the correct answer is **(B) Nagara style**.

Quick Tip: Remember: Nagara style (North India, curvilinear shikhara) vs. Dravidian style (South India, stepped pyramidal towers/gopurams) — a key distinction for temple architecture GK questions.

95. Which state celebrates the famous festival "Khuado Kut"?

- (A) Gujarat
- (B) West Bengal
- (C) Tripura
- (D) Mizoram

Correct Answer: (D) Mizoram

Solution:

Concept:

This question tests knowledge of regional festivals of Northeast India, particularly those related to agricultural harvest cycles celebrated by tribal communities.

Step 1: Understanding the festival:

Khuado Kut (also known as Chapchar Kut in related forms) is a traditional harvest festival celebrated with much fervor, involving folk dances, music, and feasting.

Step 2: Identifying the state:

This festival is celebrated in Mizoram, marking the completion of jhum (shifting) cultivation activities and the harvest season, and is an important cultural event for the Mizo community.

Step 3: Eliminating other options:

Gujarat, West Bengal, and Tripura have their own distinct regional festivals, none of which correspond to "Khuado Kut."

Final Answer:

Therefore, the correct answer is **(D) Mizoram**.

Quick Tip: Northeast Indian harvest festivals are frequently tested in GK sections — remember Khuado Kut and Chapchar Kut are associated with Mizoram's agricultural and cultural calendar.

96. Xuansang, a Chinese pilgrim during the 7th century, wrote that their (Indian) garments are made of Kiau-She-Ye and cotton. He used the term Kiau-She-Ye for _____

(A) Fine cotton

- (B) Jute
- (C) Silk
- (D) The Shining Hemp

Correct Answer: (C) Silk

Solution:

Concept:

This question is based on historical accounts of ancient Indian textiles as documented by foreign travelers, particularly the Chinese Buddhist pilgrim Xuanzang (Hiuen Tsang), whose travelogues provide valuable insights into 7th-century Indian society and material culture.

Step 1: Understanding the historical context:

Xuanzang traveled extensively through India during the 7th century, documenting various aspects of Indian life, including clothing materials used by the population.

Step 2: Identifying the term's meaning:

In his accounts, the term "Kiau-She-Ye" was used to refer to silk, a valuable textile material that was both produced domestically and traded, alongside cotton, in ancient India.

Step 3: Eliminating other options:

Fine cotton, jute, and hemp are separate textile materials that Xuanzang described using different terminology, distinct from "Kiau-She-Ye."

Final Answer:

Therefore, the correct answer is **(C) Silk**.

Quick Tip: Historical travelogues (Xuanzang, Fa-Hien, Megasthenes) are valuable primary sources for questions on ancient Indian textiles — remember specific terms like "Kiau-She-Ye" refer to silk.

97. Who struck a balance between abstraction and figurative art and created wiry sculptures?

- (A) M.F. Hussain
- (B) S.H. Raza
- (C) Amarnath Sehgal
- (D) Mrinalini Mukherjee

Correct Answer: (C) Amarnath Sehgal

Solution:

Concept:

This question is based on modern Indian sculpture, focusing on artists who experimented with combining abstract forms and figurative representation in three-dimensional media such as metal and wire.

Step 1: Understanding the artistic approach:

Balancing abstraction with figurative elements requires a sculptor to retain recognizable human or organic forms while simplifying and elongating them into expressive, non-literal shapes.

Step 2: Identifying the sculptor:

Amarnath Sehgal is well known for his wiry, elongated bronze and metal sculptures that combine expressive abstraction with recognizable figurative elements, capturing human emotion and form in a distinctive style.

Step 3: Eliminating other options:

M.F. Hussain and S.H. Raza are primarily known as painters, while Mrinalini Mukherjee is known for her fibre and hemp sculptures, not wiry metal figurative sculptures.

Final Answer:

Therefore, the correct answer is **(C) Amarnath Sehgal**.

Quick Tip: Remember Amarnath Sehgal's signature contribution to Indian modern sculpture through wiry, elongated bronze figures balancing abstraction and figuration — distinct from his contemporaries who were primarily painters.

98. Choose the correct design/shape of the Bharat Ratna Medal:

- (A) Ashoka leaf shaped
- (B) Banyan leaf shaped
- (C) Peepal leaf shaped
- (D) Mango leaf shaped

Correct Answer: (C) Peepal leaf shaped

Solution:

Concept:

This question is based on the design specifications of India's highest civilian award, the Bharat Ratna, which has a distinctive medal shape and design symbolizing national significance.

Step 1: Understanding the award:

The Bharat Ratna is India's highest civilian honour, awarded for exceptional service in any field of human endeavour.

Step 2: Identifying the medal design:

The Bharat Ratna medal is designed in the shape of a Peepal (sacred fig) leaf, made of bronze, with a sunburst design and the words "Bharat Ratna" inscribed on it in Devanagari script.

Step 3: Eliminating other options:

Ashoka leaf, Banyan leaf, and Mango leaf shapes do not correspond to the officially adopted design of the Bharat Ratna medal.

Final Answer:

Therefore, the correct answer is **(C) Peepal leaf shaped**.

Quick Tip: Remember the Bharat Ratna medal's distinctive Peepal-leaf shape with a sunburst motif — a frequently tested fact regarding India's civilian awards and national honours.

99. Match the LIST-I with LIST-II

LIST-I (State)		LIST-II (Folk Dance)	
A.	Assam	I.	Lavni
B.	Tamil Nadu	II.	Kathakali
C.	Kerala	III.	Bharatnatyam
D.	Maharashtra	IV.	Bihu

Choose the correct answer from the options given below:

- (A) A-I, B-IV, C-II, D-III
- (B) A-IV, B-III, C-II, D-I
- (C) A-IV, B-III, C-I, D-II
- (D) A-III, B-IV, C-II, D-I

Correct Answer: (B) A-IV, B-III, C-II, D-I

Solution:

Concept:

This question tests knowledge of India's classical and folk dance forms and their respective states of origin, an important cultural GK topic.

Step 1: Matching Assam:

Assam is famous for the Bihu dance, performed during the Bihu harvest festivals, characterized by energetic movements.

Step 2: Matching Tamil Nadu:

Tamil Nadu is the home of Bharatnatyam, one of the oldest classical dance forms of India, rooted in temple traditions.

Step 3: Matching Kerala:

Kerala is renowned for Kathakali, a classical dance-drama form known for its elaborate costumes, makeup, and expressive storytelling.

Step 4: Matching Maharashtra:

Maharashtra is associated with Lavni, a energetic and rhythmic folk dance form, traditionally performed to the beats of the dholki.

Final Answer:

Therefore, the correct match is **(B) A-IV, B-III, C-II, D-I.**

Quick Tip: Create quick associations: Assam–Bihu, Tamil Nadu–Bharatnatyam, Kerala–Kathakali, Maharashtra–Lavni; such state-dance pairings are commonly repeated across GK sections of design entrance exams.

100. Which of the following is a Government initiative to develop technology to treat waste in-order to recycle, generate energy, and extract resources of value?

- (A) Swachh Bharat
- (B) Waste to Wealth
- (C) Waste free India
- (D) Garbage Management Scheme

Correct Answer: (B) Waste to Wealth

Solution:

Concept:

This question is based on current government initiatives related to technology-driven waste management, recycling, and resource recovery under India's science and technology mission framework.

Step 1: Understanding the objective:

The initiative in question specifically focuses on developing and deploying scientific and technological solutions to treat waste, enabling recycling, energy generation, and extraction of valuable resources from waste materials.

Step 2: Identifying the correct scheme:

"Waste to Wealth" is a mission launched under the Prime Minister's Science, Technology and Innovation Advisory Council (PM-STIAC), aimed precisely at converting waste into useful resources through technological innovation.

Step 3: Eliminating other options:

Swachh Bharat is a broader cleanliness and sanitation mission, while "Waste free India" and "Garbage Management Scheme" are not officially recognized technology-focused government missions matching this specific description.

Final Answer:

Therefore, the correct answer is **(B) Waste to Wealth**.

Quick Tip: Distinguish between broad sanitation campaigns (Swachh Bharat) and specific technology missions (Waste to Wealth) under PM-STIAC when answering government scheme-based GK questions.