

BITSAT English Proficiency & Logical Reasoning — Sample Paper 15

Duration: 45 Minutes

Maximum Marks: 90

Instructions

- This paper contains **30** Multiple Choice Questions: **English Proficiency** (Q1–Q10) and **Logical Reasoning** (Q11–Q30).
- Each correct answer carries **+3 marks**. Each incorrect answer carries **–1** mark. Unattempted questions carry **0** marks.
- Only **one** option is correct. Choose carefully.

English Proficiency

Q1. Choose the word **most similar in meaning** to the underlined word:

“The journalist was known for his candid interviews that left no truth unspoken.”

- (A) Dishonest
- (B) Frank
- (C) Cautious
- (D) Vague

Q2. Choose the word **most opposite in meaning** to the underlined word:

“The opulent mansion stood in sharp contrast to the modest homes around it.”

- (A) Lavish
- (B) Grand
- (C) Destitute
- (D) Elegant



Q3. Choose the best word to complete the analogy:

CHEF : KITCHEN :: SCIENTIST : ?

- (A) Laboratory
- (B) Hospital
- (C) Library
- (D) Classroom

Q4. Choose the word that **best fills the blank**:

“Despite facing numerous setbacks, her _____ spirit pushed her to keep trying until she succeeded.”

- (A) Broken
- (B) Fragile
- (C) Hesitant
- (D) Indomitable

Q5. Choose the word that **best fills the blank**:

“The _____ aroma drifting from the kitchen made everyone rush to the dining table.”

- (A) Unpleasant
- (B) Appetising
- (C) Faint
- (D) Stale

Q6. Identify the part (A), (B), (C), or (D) that contains a **grammatical error**:

(A) He is a (B) honest man (C) who always (D) speaks the truth.

- (A) He is a
- (B) honest man
- (C) who always



(D) speaks the truth

Q7. Choose the sentence that is **grammatically correct**:

(A) She sings more better than her classmate in every competition.

(B) He is the most tallest player in the entire team today.

(C) This solution is more effective than the previous one.

(D) They were discussed the matter before the meeting began.

Q8. Arrange sentences **P, Q, R, S** in the correct logical order:

P: He revised the manuscript based on their suggestions.

Q: Finally, the book was sent to the printer.

R: The author submitted his draft to the editors.

S: The editors returned it with detailed feedback.

(A) RQPS

(B) RSPQ

(C) RPQS

(D) SQRP

Questions 9 and 10 are based on the following passage.

Sport is more than a form of entertainment — it is a school of life. Through competition, athletes learn discipline, resilience, and the ability to handle both victory and defeat with grace. Coaches and trainers play an equally important role, guiding young athletes not only toward physical excellence but also toward mental strength and character. In this sense, sport is one of the most effective teachers a young person can have.

Q9. According to the passage, coaches and trainers guide athletes toward:

(A) Physical excellence and mental strength

(B) Defeating opponents at all costs



- (C) Entertainment and media attention
- (D) Financial success through sport

Q10. What is the author's primary view of sport in the passage?

- (A) A popular form of entertainment
- (B) A path to fame and fortune
- (C) A school of life and effective teacher
- (D) A purely physical activity

Logical Reasoning

Q11. Choose the best option to complete the analogy:

PILOT : COCKPIT :: DRIVER : ?

- (A) Seat
- (B) Wheel
- (C) Engine
- (D) Cabin

Q12. Choose the best option to complete the analogy:

MUSIC : EAR :: FOOD : ?

- (A) Stomach
- (B) Tongue
- (C) Mouth
- (D) Nose

Q13. Choose the best option to complete the analogy:

SEED : PLANT :: EGG : ?

- (A) Bird



- (B) Shell
- (C) Nest
- (D) Chick

Q14. Find the **next number** in the series:

2, 3, 5, 8, 13, 21, ?

- (A) 30
- (B) 32
- (C) 34
- (D) 36

Q15. Find the **next term** in the series:

YX, WV, UT, SR, ?

- (A) PR
- (B) QP
- (C) PQ
- (D) RQ

Q16. Find the **next number** in the series:

7, 14, 28, 56, 112, ?

- (A) 224
- (B) 200
- (C) 216
- (D) 228

Q17. In a certain code, **BOOK** is coded as **2-15-15-11** (using alphabetical positions). Using the same rule, what is the code for **LOCK**?

- (A) 12-15-5-11



- (B) 11-15-3-12
- (C) 13-15-3-11
- (D) 12-15-3-11

Q18. In a certain code, **WATER** is coded as **YCVGT** (each letter shifted forward by 2). Using the same rule, what is the code for **EARTH**?

- (A) GCTHJ
- (B) FDTVJ
- (C) GCTVJ
- (D) HCTVJ

Q19. Rohan is the brother of Priya. Priya is the daughter of Ramesh. How is Rohan related to Ramesh?

- (A) Brother
- (B) Nephew
- (C) Father
- (D) Son

Q20. Pointing to a lady, a man says, “Her mother’s husband’s daughter is my wife.” How is the man related to the lady?

- (A) Brother
- (B) Husband
- (C) Son-in-law
- (D) Brother-in-law

Q21. A person walks **5 km North** and then **12 km East**. What is the shortest distance from the starting point?

- (A) 13 km
- (B) 15 km



(C) 17 km

(D) 12 km

Q22. If you stand facing the **rising sun** (East), in which direction does your **right hand** point?

(A) North

(B) East

(C) West

(D) South

Q23. Statements:

Some engineers are doctors.

All doctors are scientists.

Conclusions:

I. Some engineers are scientists.

II. Some scientists are engineers.

Which conclusion(s) follow?

(A) Only I

(B) Only II

(C) Both I and II

(D) Neither

Q24. Statements:

All mangoes are fruits.

No fruit is a vegetable.

Conclusions:

I. No mango is a vegetable.

II. Some vegetables are fruits.

Which conclusion(s) follow?



- (A) Both I and II
- (B) Only I
- (C) Neither
- (D) Only II

Q25. Choose the **odd one out**:

Cobra Frog Turtle Crocodile Lizard

- (A) Frog
- (B) Cobra
- (C) Lizard
- (D) Turtle

Q26. Choose the **number that does not belong** in the group:

4 8 16 32 40 64

- (A) 8
- (B) 32
- (C) 16
- (D) 40

Q27. Study the pattern and find the value of ‘?’.

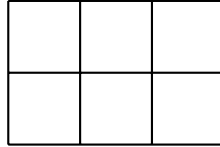
2	3	6
4	5	20
3	4	?

- (A) 8
- (B) 10
- (C) 12



(D) 14

Q28. How many **rectangles** (including squares) are present in a grid of **2 rows and 3 columns** as shown?



(A) 15

(B) 18

(C) 20

(D) 24

Q29. Five people **A, B, C, D, E** stand in a row.

- D is at the rightmost end.
- B is 3rd from the right.
- C is immediately left of B.
- A is at the leftmost end.

What is **E's position** from the left?

(A) 4th

(B) 3rd

(C) 5th

(D) 2nd

Q30. In a row of **20 students**, Sita is **6th from the left** and Gita is **9th from the right**. How many students stand **between** them?

(A) 3

(B) 4

(C) 6

(D) 5



Detailed Solutions

Q1.

Solution

Synonym of CANDID: *Candid* means open and honest, not hiding one's thoughts.

- (A) Dishonest — antonym.
- (B) **Frank** — means straightforward and honest; direct synonym. **Correct.**
- (C) Cautious — means careful; unrelated to honesty.
- (D) Vague — means unclear; opposite of candid.

Synonyms: *Frank, forthright, direct, open, transparent.* **Final Answer:** Frank ⇒

 B

Answer: (B) [Go Back to Q1](#)

Q2.

Solution

Antonym of OPULENT: *Opulent* means ostentatiously rich and luxurious.

- (A) Lavish — synonym of opulent.
- (B) Grand — synonym.
- (C) **Destitute** — means extremely poor; direct antonym. **Correct.**
- (D) Elegant — means graceful; not necessarily poor.

Antonyms: *Destitute, impoverished, penniless, austere.* **Final Answer:** Destitute ⇒

 C

Answer: (C) [Go Back to Q2](#)

Q3.

Solution

Analogy — Professional and Workplace: CHEF : KITCHEN — a chef's workplace is the kitchen. SCIENTIST : LABORATORY — a scientist works in a laboratory.

- (A) **Laboratory** — the scientist's primary workplace. **Correct.**
- (B) Hospital — for doctors/nurses.
- (C) Library — for researchers/readers, not scientists.
- (D) Classroom — for teachers/students.

Final Answer: Laboratory ⇒ A



Answer: (A) [Go Back to Q3](#)

Q4.

Solution

Fill in the Blank: “Despite facing numerous setbacks. . . kept trying until she succeeded” signals an unconquerable spirit.

- (D) **Indomitable** — means impossible to subdue or defeat; perfect match. **Correct.**
- (A) Broken / (B) Fragile / (C) Hesitant — all contradict the persistence described.

Synonyms: *Unconquerable, invincible, unyielding, resolute.* **Final Answer:** Indomitable ⇒

Answer: (D) [Go Back to Q4](#)

Q5.

Solution

Fill in the Blank: “Everyone rush to the dining table” implies the smell was very pleasing and stimulating to appetite.

- (B) **Appetising** — means stimulating appetite; matches the rush to eat. **Correct.**
- Others contradict (unpleasant, faint) or suggest stale food, which would deter rather than attract.

Final Answer: Appetising ⇒

Answer: (B) [Go Back to Q5](#)

Q6.

Solution

Grammar: Article before Vowel Sound — “an” before ‘h’ (silent): “He is a honest man” — The word *honest* begins with a silent ‘h’; it is pronounced with a vowel sound (like “onist”). The rule: use **an** before words that begin with a vowel *sound* (regardless of spelling).

- (A) “He is a” — **error**; should be “He is an”. **Error here.**
- Others are grammatically fine.



Other silent-h words: *an hour, an heir, an honour, an honest* — all take “an”. But: *a horse, a house, a hall* — ‘h’ is pronounced, so “a”. **Final Answer:** Part (A) “He is a” ⇒ A

Answer: (A) [Go Back to Q6](#)

Q7.

Solution

Grammar: Correct Sentence Identification:

- (A) “more better” — double comparative error; should be “better.”
- (B) “most tallest” — double superlative error; should be “tallest.”
- (C) “**This solution is more effective than the previous one.**” — Correct comparative form. **Correct.**
- (D) “They were discussed” — passive voice is wrong here; should be “They discussed.”

Final Answer: Option (C) ⇒ C

Answer: (C) [Go Back to Q7](#)

Q8.

Solution

Sentence Arrangement: Publishing Process: R: Author submits draft (start).
→ S: Editors return with feedback. → P: Author revises based on suggestions.
→ Q: Book sent to printer (end, signalled by “Finally”). Sequence: **RSPQ. Final Answer:** RSPQ ⇒ B

Answer: (B) [Go Back to Q8](#)

Q9.

Solution

RC Factual Retrieval: “Coaches and trainers... guiding young athletes not only toward **physical excellence** but also toward **mental strength** and character.”

- (A) **Physical excellence and mental strength** — direct match. **Correct.**

Final Answer: Physical excellence and mental strength ⇒ A

Answer: (A) [Go Back to Q9](#)



Q10.

Solution

RC: Author's Primary View: Passage opens: "Sport is more than a form of entertainment — it is a **school of life.**" Closing: "sport is one of the most **effective teachers** a young person can have."

- (C) **A school of life and effective teacher** — central thesis of the passage. **Correct.**

Final Answer: A school of life and effective teacher ⇒

Answer: (C) [Go Back to Q10](#)

Q11.

Solution

Analogy — Professional and Work Station: PILOT : COCKPIT — the cockpit is the enclosed workspace of a pilot at the front of an aircraft. DRIVER : CABIN — the driver's cab/cabin is the enclosed workspace of a truck or bus driver.

- (D) **Cabin** — the driver's enclosed operating area. **Correct.**
- (A) Seat / (B) Wheel / (C) Engine — components, not workspaces.

Final Answer: Cabin ⇒

Answer: (D) [Go Back to Q11](#)

Q12.

Solution

Analogy — Sensory Experience and Sense Organ: MUSIC : EAR — music is perceived through the ear (sense of hearing). FOOD : TONGUE — food is tasted through the tongue (sense of taste).

- (B) **Tongue** — the organ of taste. **Correct.**
- (A) Stomach — digests food, not the sensory organ.
- (C) Mouth — contains the tongue but is not the specific sense organ.
- (D) Nose — smell, not taste.

Final Answer: Tongue ⇒

Answer: (B) [Go Back to Q12](#)



Q13.

Solution

Analogy — Origin/Source: SEED : PLANT — a seed grows into a plant (source → living organism). EGG : BIRD — an egg hatches into a bird.

- (A) Bird — the organism that emerges from an egg. **Correct.**
- (B) Shell — part of the egg, not what it becomes.
- (C) Nest — where eggs are laid, not what the egg becomes.
- (D) Chick — the young bird; “bird” is the broader, parallel term to “plant.”

Final Answer: Bird ⇒

Answer: (A) [Go Back to Q13](#)

Q14.

Solution

Number Series: Fibonacci Sequence: Each term = sum of the two preceding terms. 2, 3, 5, 8, 13, 21, ?

$$13 + 21 = 34.$$

Verify: $2 + 3 = 5$ ✓, $3 + 5 = 8$ ✓, $5 + 8 = 13$ ✓, $8 + 13 = 21$ ✓, $13 + 21 = 34$ ✓.

Final Answer: 34 ⇒

Answer: (C) [Go Back to Q14](#)

Q15.

Solution

Letter Series: Consecutive Pairs, Descending: YX(25,24), WV(23,22), UT(21,20), SR(19,18), QP(17,16). Each pair is two consecutive letters in descending order, and the pairs themselves descend by 2 letters each step. Next pair: QP. **Final Answer:** QP ⇒

Answer: (B) [Go Back to Q15](#)

Q16.

Solution

Number Series: ×2 Pattern: $7 \times 2 = 14$, $14 \times 2 = 28$, $28 \times 2 = 56$, $56 \times 2 = 112$, $112 \times 2 = 224$. **Final Answer:** 224 ⇒

Answer: (A) [Go Back to Q16](#)



Q17.

Solution

Coding: Alphabetical Position: B=2, O=15, O=15, K=11 \Rightarrow BOOK = 2-15-15-11. \checkmark

LOCK: L=12, O=15, C=3, K=11 \Rightarrow **12-15-3-11.**

- (A) 12-15-5-11: $C \neq 5$ ($C=3$).
- (B) 11-15-3-12: L and K swapped.
- (C) 13-15-3-11: $L \neq 13$ ($L=12$).
- (D) **12-15-3-11:** correct. **Correct.**

Final Answer: 12-15-3-11 \Rightarrow

Answer: (D) [Go Back to Q17](#)

Q18.

Solution

Coding: +2 Shift — Apply to EARTH: Verify: W(23) \rightarrow Y(25), A(1) \rightarrow C(3), T(20) \rightarrow V(22), E(5) \rightarrow G(7), R(18) \rightarrow T(20) = YCVGT \checkmark

EARTH: E(5) \rightarrow G(7), A(1) \rightarrow C(3), R(18) \rightarrow T(20), T(20) \rightarrow V(22), H(8) \rightarrow J(10) = GCTVJ. **Final Answer:** GCTVJ \Rightarrow

Answer: (C) [Go Back to Q18](#)

Q19.

Solution

Blood Relations: Priya is the daughter of Ramesh \Rightarrow Ramesh is Priya's father. Rohan is Priya's brother \Rightarrow Rohan is also Ramesh's **son**. **Final Answer:** Son \Rightarrow

Answer: (D) [Go Back to Q19](#)

Q20.

Solution

Blood Relations: Multi-Step: "Her mother's husband" = Lady's **father**. Father's daughter = the **Lady herself** (or her sister, but here "her... daughter" refers back to the same lady). The man's wife = the Lady. Therefore, the man is the Lady's **husband**. **Final Answer:** Husband \Rightarrow

Answer: (B) [Go Back to Q20](#)



Q21.

Solution

Direction: Pythagoras Theorem: 5 km North and 12 km East form the two legs of a right triangle.

Shortest distance = $\sqrt{5^2 + 12^2} = \sqrt{25 + 144} = \sqrt{169} = 13$ km. (The 5-12-13 Pythagorean triple.) **Final Answer:** 13 km \Rightarrow **A**

Answer: (A) [Go Back to Q21](#)

Q22.

Solution

Direction: Facing East: When facing East: front = East, back = West, left = North, right = South. **Final Answer:** South \Rightarrow **D**

Answer: (D) [Go Back to Q22](#)

Q23.

Solution

Syllogism: Conclusion I: Some engineers are doctors (given). All doctors are scientists. \Rightarrow Those engineer-doctors are scientists. So some engineers are scientists.

Follows. ✓

Conclusion II: By conversion of Conclusion I (some engineers are scientists \Rightarrow some scientists are engineers). **Follows.** ✓

Both follow \Rightarrow **C. Final Answer:** Both I and II \Rightarrow **C**

Answer: (C) [Go Back to Q23](#)

Q24.

Solution

Syllogism: Conclusion I: All mangoes are fruits + No fruit is a vegetable \Rightarrow No mango is a vegetable. **Follows.** ✓

Conclusion II: "Some vegetables are fruits" — from "No fruit is a vegetable" the converse is "No vegetable is a fruit." II does **not** follow.

Only I follows \Rightarrow **B. Final Answer:** Only I \Rightarrow **B**

Answer: (B) [Go Back to Q24](#)



Q25.

Solution**Odd One Out: Reptiles vs Amphibians:**

- Cobra, Turtle, Crocodile, Lizard — reptiles.
- **Frog** — amphibian (class Amphibia); lives in water and on land, breathes through skin. **Odd one out.**

Final Answer: Frog \Rightarrow [Go Back to Q25](#)

Q26.

Solution**Odd One Out: Powers of 2:** $4 = 2^2$, $8 = 2^3$, $16 = 2^4$, $32 = 2^5$, $64 = 2^6$ — all powers of 2.40 is **not** a power of 2 ($2^5 = 32$, $2^6 = 64$; 40 falls between). Odd one out. **Final**Answer: 40 \Rightarrow [Go Back to Q26](#)

Q27.

Solution**Number Matrix: Col 3 = Col 1 \times Col 2:** Row 1: $2 \times 3 = 6$ ✓ Row 2: $4 \times 5 = 20$ ✓ Row 3: $3 \times 4 = 12$. **Final Answer:** 12 \Rightarrow [Go Back to Q27](#)

Q28.

Solution**Counting Rectangles in a 2×3 Grid:** Using the formula: choose 2 lines from 4 horizontal and 2 lines from 4 vertical lines. $\binom{4}{2} \times \binom{4}{2}$? No — for a 2-row, 3-col grid: 3 horizontal lines \times 4 vertical lines. $\binom{3}{2} \times \binom{4}{2} = 3 \times 6 = 18$.Verification by size: 1×1 : 6, 1×2 : 4, 1×3 : 2, 2×1 : 3, 2×2 : 2, 2×3 : 1. Total: $6 + 4 + 2 + 3 + 2 + 1 = 18$. ✓ **Final Answer:** 18 \Rightarrow [Go Back to Q28](#)

Q29.

Solution**Linear Arrangement:**

- A at leftmost \Rightarrow Position 1: **A**.
- D at rightmost \Rightarrow Position 5: **D**.
- B is 3rd from right \Rightarrow Position 3: **B**.
- C immediately left of B \Rightarrow Position 2: **C**.
- E fills Position 4 by elimination.

A	C	B	E	D
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E's position from the left: **4th. Final Answer:** 4th \Rightarrow

A

Answer: (A) [Go Back to Q29](#)

Q30.

Solution

Row Position: Students Between Two: Total = 20. Sita: position 6 from left.

Gita: 9th from right = $20 - 9 + 1 = 12$ from left.

Between positions 6 and 12: positions 7,8,9,10,11 = **5 students. Final Answer:**

5 \Rightarrow

D

Answer: (D) [Go Back to Q30](#)



Answer Key

Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	B	2	C	3	A	4	D	5	B
6	A	7	C	8	B	9	A	10	C
11	D	12	B	13	A	14	C	15	B
16	A	17	D	18	C	19	D	20	B
21	A	22	D	23	C	24	B	25	A
26	D	27	C	28	B	29	A	30	D

