

# TS EDCET 2026 May 12 Shift 2

## Question Paper (Memory-Based) with Solutions

Conducted by Kakatiya University, Warangal



### General Instructions

- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +1 marks for correct answer and there is no negative marking for wrong answer.
- (iii) The total number of questions are 150.
- (iv) Duration of the exam is 2 hours (120 minutes)

### Mathematics, Science & Social Studies

1. The degree of the polynomial  $3x - 0x^4 + 0x^2 + 2x^3 - 5$  is

- (A) 1
- (B) 2
- (C) 3
- (D) 4

**Correct Answer:** (C) 3

#### Solution:

**Concept:** The degree of a polynomial is the highest power of the variable having a non-zero coefficient.

**Step 1:** Write the polynomial clearly.

$$3x - 0x^4 + 0x^2 + 2x^3 - 5$$

Terms with coefficient 0 are ignored. Thus, the polynomial becomes:

$$2x^3 + 3x - 5$$

**Step 2: Identify the highest power of  $x$ .**

The powers of  $x$  are:

$$3, 1, 0$$

The highest power is:

$$3$$

**Step 3: Determine the degree.**

Therefore, the degree of the polynomial is:

$$\boxed{3}$$

Hence, the correct answer is:

$$\boxed{(C)}$$

**Quick Tip:** While finding degree of a polynomial:

Ignore terms with zero coefficients

2. Identify the false statement regarding the composition of Legislative Council of Telangana

- (A)  $\frac{1}{3}$  are elected by the MLAs
- (B)  $\frac{1}{6}$  are nominated by the Governor
- (C)  $\frac{1}{12}$  are nominated by the Teachers
- (D)  $\frac{1}{12}$  are elected by Graduates

**Correct Answer:** (C)  $\frac{1}{12}$  are nominated by the Teachers

**Solution:**

**Concept:** The composition of a State Legislative Council is given under Article 171 of the Indian Constitution. The members are chosen as follows:

- $\frac{1}{3}$  elected by Members of Legislative Assembly (MLAs)
- $\frac{1}{3}$  elected by local authorities
- $\frac{1}{12}$  elected by teachers
- $\frac{1}{12}$  elected by graduates
- $\frac{1}{6}$  nominated by the Governor

**Step 1: Check each statement.**

$$\frac{1}{3}$$

elected by MLAs:

⇒ Correct

$$\frac{1}{6}$$

nominated by Governor:

⇒ Correct

$$\frac{1}{12}$$

elected by Graduates:

⇒ Correct

**Step 2: Identify the false statement.**

Teachers do not nominate members. Instead:

$$\frac{1}{12}$$

members are:

Elected by Teachers

Thus, the false statement is:

$\frac{1}{12}$  are nominated by the Teachers

**Step 3: Identify the correct option.**

Hence, the correct answer is:

(C)

**Quick Tip:** Under Article 171:

Teachers and Graduates elect members

while:

Governor nominates  $\frac{1}{6}$

members.

### 3. This is not related to Community, Social and Personal services

- (A) Veterinary activities
- (B) Media
- (C) Real Estate Companies
- (D) Cultural activities

**Correct Answer:** (C) Real Estate Companies

#### **Solution:**

**Concept:** Community, Social and Personal Services include activities that provide social welfare, cultural support, communication, and public-oriented services. Examples include:

- Media services
- Cultural activities
- Veterinary and community welfare services

**Step 1:** Identify services related to community and social welfare.

**Veterinary activities** These are community welfare services related to animal care.

⇒ Related

**Media** Media provides communication and information services.

⇒ Related

**Cultural activities** These promote social and cultural development.

⇒ Related

**Step 2: Identify the unrelated activity.**

**Real Estate Companies** These are business and property-related commercial activities, not community or personal services. Thus:

Real Estate Companies

is not related to Community, Social and Personal Services.

**Step 3: Identify the correct option.**

Hence, the correct answer is:

(C)

**Quick Tip:** Community and social services focus on:

Welfare, Communication, and Cultural Development

4.  $999999 \div 99$  is

- (A) 111
- (B) 1011
- (C) 10101
- (D) 9999

**Correct Answer:** (C) 10101

**Solution:**

**Concept:** To divide:

$$999999 \div 99$$

we simplify using division.

**Step 1: Perform the division.**

$$999999 \div 99 = 10101$$

since:

$$10101 \times 99 = 999999$$

**Step 2: Verify the multiplication.**

$$\begin{aligned} 10101 \times 99 &= 10101 \times (100 - 1) \\ &= 1010100 - 10101 \\ &= 999999 \end{aligned}$$

**Step 3: Identify the correct option.**

Therefore:

10101

Hence, the correct answer is:

(C)

**Quick Tip:** For multiplication with 99:

$$99 = 100 - 1$$

Use:

$$a \times 99 = a \times 100 - a$$

## Teaching Aptitude

1. When a student fails, it is the failure of the:

- (A) System
- (B) Teacher

- (C) Text-Book
- (D) Individual student

**Correct Answer:** (A) System

**Solution:**

**Concept:** Modern educational philosophy considers student failure as an indication of shortcomings in the educational system rather than blaming only the learner. The system includes:

- Teaching methods
- Curriculum
- Evaluation process
- Learning environment

**Step 1: Understand the idea behind student failure.**

If a student fails, it may reflect problems in:

Teaching, Guidance, Curriculum, or Evaluation

Thus, failure is mainly considered the failure of the:

System

**Step 2: Analyze the remaining options.**

**Teacher** A teacher alone cannot always be held fully responsible.

⇒ Partially related

**Text-Book** A textbook alone does not determine student success.

⇒ Incorrect

**Individual student** Modern education discourages blaming only the student.

⇒ Less appropriate

**Step 3: Identify the correct option.**

Therefore, student failure is considered the failure of the:

System

Hence, the correct answer is:

(A)

**Quick Tip:** Effective education focuses on:

Improving the Learning System

rather than blaming only students.

---

**2. The success of teacher is indicated through her:**

- (A) Student high achievement
- (B) Good traits / personality
- (C) Quality teaching
- (D) Good character

**Correct Answer:** (A) Student high achievement

**Solution:**

**Concept:** The effectiveness and success of a teacher are mainly reflected in the learning outcomes and achievements of students. A successful teacher helps students:

- Understand concepts clearly
- Improve performance
- Develop skills and knowledge

**Step 1:** Understand the indicator of teaching success.

The ultimate objective of teaching is:

Student Learning and Achievement

Thus, the success of a teacher is best indicated by:

Student high achievement

**Step 2: Analyze the remaining options.**

**Good traits / personality** Personality is helpful but does not alone determine teaching success.

⇒ Secondary

**Quality teaching** Quality teaching contributes to success, but student achievement is the measurable indicator.

⇒ Indirect indicator

**Good character** Good character is desirable but not the direct measure of teaching success.

⇒ Not the best indicator

**Step 3: Identify the correct option.**

Therefore, the success of a teacher is indicated through:

Student high achievement

Hence, the correct answer is:

(A)

**Quick Tip:** A teacher's effectiveness is best reflected in:

Students' Learning Outcomes

**3. The essential element of the syllabus for the children remained out of school should be:**

- (A) Literacy competencies
- (B) Life-Skills
- (C) Numerical competencies
- (D) Vocational competencies

**Correct Answer:** (B) Life-Skills

**Solution:**

**Concept:** Children who remain out of school need education that helps them manage real-life situations and become socially and economically independent. Therefore, life-skills education becomes an essential part of their syllabus. Life-skills include:

- Decision making
- Communication
- Problem solving
- Self-management

**Step 1: Understand the needs of out-of-school children.**

Such children require practical knowledge and survival abilities for daily life. Thus, the syllabus should mainly focus on:

Life-Skills

**Step 2: Analyze the remaining options.**

**Literacy competencies** Literacy is important, but alone it is insufficient.

⇒ Incomplete

**Numerical competencies** Numerical ability is useful but not the most essential element.

⇒ Secondary

**Vocational competencies** Vocational skills are valuable, but life-skills form the broader foundation.

⇒ Less appropriate

**Step 3: Identify the correct option.**

Therefore, the essential element should be:

Life-Skills

Hence, the correct answer is:

(B)

**Quick Tip:** For out-of-school children:

Life-Skills → Practical and Social Development

4. While you are teaching a topic in a class, in between if a student asks a question unrelated to the topic. What will you do?

- (A) I allow the student to ask unrelated question
- (B) I will answer the question after the class
- (C) I consider it indiscipline and punish him
- (D) I do not allow the student to ask unrelated question

**Correct Answer:** (B) I will answer the question after the class

**Solution:**

**Concept:** An effective teacher maintains classroom discipline and continuity of teaching while also encouraging students' curiosity and participation. If a question is unrelated to the current topic, it is better to address it later without disturbing the flow of the lesson.

**Step 1: Understand the classroom situation.**

The teacher should:

- Respect student curiosity
- Maintain focus on the lesson
- Avoid unnecessary interruption

Thus, the best approach is:

Answer the question after the class

**Step 2: Analyze the remaining options.**

**Allow unrelated questions during teaching** This may disturb the continuity of the lesson.

⇒ Less appropriate

**Punish the student** Punishment discourages participation and curiosity.

⇒ Incorrect

**Do not allow unrelated questions** Completely discouraging questions is not student-friendly.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the best response is:

I will answer the question after the class

Hence, the correct answer is:

(B)

**Quick Tip:** Good classroom management means:

Maintaining Lesson Flow

while encouraging student participation.

## General English

1. Read the passage carefully and mark the correct answers for the following:

**Passage:** In general, press freedom means freedom, unless specifically by law, to gather, print and publish information and to set up technologies in pursuit of such objectives, to claim and gain access to information. In practice, freedom of the press means freedom of the owner of a newspaper. Journalists enjoy only that much freedom as is given to them by the owner of their newspaper or magazine. In today's context, freedom of the press is only an extension of the citizen's right to freedom of speech and expression. Today, the press, the electronic media, wherever they operate

privately, have information-gathering networks spread all over the world. They are the eyes and ears of the people everywhere.

**The passage is about:**

- (A) Press and Freedom
- (B) Press and Newspaper
- (C) Citizens and freedom
- (D) Press and electronic media

**Correct Answer:** (A) Press and Freedom

**Solution:**

**Concept:** The passage mainly discusses the meaning, scope, and significance of freedom of the press. It explains:

- Freedom to gather and publish information
- Relationship between press freedom and freedom of expression
- Role of press and electronic media in society

**Step 1: Identify the central idea of the passage.**

The main focus of the passage is:

Freedom of the Press

Thus, the topic is best described as:

Press and Freedom

**Step 2: Analyze the remaining options.**

**Press and Newspaper** The passage is broader than newspapers alone.

⇒ Incomplete

**Citizens and freedom** Citizens' rights are mentioned only indirectly.

⇒ Not the main theme

**Press and electronic media** Electronic media is discussed, but only as part of press freedom.

⇒ Secondary

**Step 3: Identify the correct option.**

Therefore, the passage is mainly about:

Press and Freedom

Hence, the correct answer is:

(A)

**Quick Tip:** The central idea of a passage is identified by:

Repeated Theme or Main Discussion

## 2. Read the passage carefully and mark the correct answers for the following:

**Passage:** In general, press freedom means freedom, unless specifically by law, to gather, print and publish information and to set up technologies in pursuit of such objectives, to claim and gain access to information. In practice, freedom of the press means freedom of the owner of a newspaper. Journalists enjoy only that much freedom as is given to them by the owner of their newspaper or magazine. In today's context, freedom of the press is only an extension of the citizen's right to freedom of speech and expression. Today, the press, the electronic media, wherever they operate privately, have information-gathering networks spread all over the world. They are the eyes and ears of the people everywhere.

**Who has the freedom?**

- (A) Newspaper
- (B) Journalist
- (C) Citizen
- (D) Technology

**Correct Answer:** (C) Citizen

**Solution:**

**Concept:** The passage states that freedom of the press is an extension of the citizen's right to freedom of speech and expression. Thus, the basic freedom belongs to citizens.

**Step 1: Identify the relevant statement from the passage.**

The passage says: "Freedom of the press is only an extension of the citizen's right to freedom of speech and expression."

Therefore, the actual freedom belongs to:

Citizen

**Step 2: Analyze the remaining options.**

**Newspaper** The newspaper itself is not the source of freedom.

⇒ Incorrect

**Journalist** Journalists enjoy limited freedom according to the owner.

⇒ Incorrect

**Technology** Technology is only a medium for communication.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the freedom belongs to:

Citizen

Hence, the correct answer is:

(C)

**Quick Tip:** Press freedom is linked with:

Citizen's Right to Freedom of Speech and Expression

**3. Read the passage carefully and mark the correct answers for the following:**

**Passage:** In general, press freedom means freedom, unless specifically by law, to gather, print and publish information and to set up technologies in pursuit of such objectives, to claim and gain access to information. In Practice, freedom of the press means freedom of the owner of a newspaper. Journalists enjoy only that much freedom as is given to them by the owner of their newspaper or magazine. In today's context, freedom of the press is only an extension of the citizen's right to freedom of speech and expression. Today, the press, the electronic media, wherever they operate privately, have information-gathering network spread all over the world. They are the eyes and ears of the people everywhere.

**Which is the nearest meaning for 'pursuit'?**

- (A) Newspaper
- (B) Sneer
- (C) Smirch
- (D) Smithy

**Correct Answer:** (D) Smithy

**Solution:**

**Concept:** The word:

Pursuit

generally means:

Chasing, Seeking, or Following an Objective

**Step 1: Understand the word from the passage.**

The phrase used is:

*"to set up technologies in pursuit of such objectives"*

Here, pursuit means:

Attempt to achieve something

**Step 2: Analyze the given options.**

**Newspaper** Not related to the meaning.

⇒ Incorrect

**Sneer** Means mocking expression.

⇒ Incorrect

**Smirch** Means stain or spoil reputation.

⇒ Incorrect

**Smithy** Means a blacksmith's workshop and is also unrelated.

⇒ Incorrect

**Step 3: Identify the issue in options.**

None of the given options correctly matches the meaning of:

Pursuit

Thus, the question appears to contain incorrect options.

**Quick Tip:** Meaning of:

Pursuit = Seeking or Chasing a Goal

---

#### 4. Read the passage carefully and mark the correct answers for the following:

**Passage:** In general, press freedom means freedom, unless specifically by law, to gather, print and publish information and to set up technologies in pursuit of such objectives, to claim and gain access to information. In Practice, freedom of the press means freedom of the owner of a newspaper. Journalists enjoy only that much freedom as is given to them by the owner of their newspaper or magazine. In today's context, freedom of the press is only an extension of the citizen's right to freedom of speech and expression. Today, the press, the electronic media, wherever they operate privately, have information-gathering network spread all over the world. They are the eyes and ears of the people everywhere.

**Citizens have the right to \_\_\_\_\_.**

- (A) Information
- (B) Read

- (C) Press
- (D) Speech

**Correct Answer:** (D) Speech

**Solution:**

**Concept:** The passage states that freedom of the press is an extension of the citizen’s right to freedom of speech and expression.

**Step 1: Identify the relevant statement from the passage.**

The passage mentions: “Citizen’s right to freedom of speech and expression”

Thus, citizens have the right to:

Speech

**Step 2: Analyze the remaining options.**

**Information** Information is discussed, but the specific right mentioned is freedom of speech.

⇒ Incorrect

**Read** Reading is not specifically mentioned as a right here.

⇒ Incorrect

**Press** Freedom of press is linked to citizens’ freedom of speech, not a direct right called “press”.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, citizens have the right to:

Speech

Hence, the correct answer is:

(D)

**Quick Tip:** Freedom of press is connected with:

Freedom of Speech and Expression

---

## General Knowledge and Educational Issues

1. Injeti Srinivas Committee is constituted to frame?

- (A) Traffic Code
- (B) Dress Code for IT companies
- (C) National Sport Code
- (D) Building Code

**Correct Answer:** (C) National Sport Code

### Solution:

**Concept:** The Injeti Srinivas Committee was constituted by the Government of India to review and suggest reforms related to the National Sports Code. The committee focused on:

- Governance in sports bodies
- Transparency
- Accountability
- Sports administration reforms

**Step 1:** Identify the purpose of the committee.

The committee was formed to frame and review:

National Sport Code

**Step 2:** Analyze the remaining options.

**Traffic Code** Not related to the committee.

⇒ Incorrect

**Dress Code for IT companies** No connection with the committee.

⇒ Incorrect

**Building Code** Unrelated to sports administration.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

National Sport Code

Hence, the correct answer is:

(C)

**Quick Tip:** The Injeti Srinivas Committee is related to:

Sports Governance Reforms

and the National Sports Code.

**2. 'MORA' is a name given to?**

- (A) Software Programme
- (B) Air to Air missile
- (C) Robot
- (D) Cyclone

**Correct Answer:** (A) Software Programme

**Solution:**

**Concept:** MORA is the name of a software programme. It is associated with digital and technological applications rather than defence equipment or natural disasters.

**Step 1: Identify the correct category.**

'MORA' refers to:

Software Programme

**Step 2: Analyze the remaining options.**

**Air to Air missile** MORA is not a missile system.

⇒ Incorrect

**Robot** It is not the name of a robot.

⇒ Incorrect

**Cyclone** Cyclones are named differently and MORA is not a cyclone name.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

Software Programme

Hence, the correct answer is:

(A)

**Quick Tip:** MORA is associated with:

Software and Technology

---

### 3. Who is the present General Secretary of United Nations Organization?

- (A) Antonio Guterres
- (B) Anthony Lake
- (C) Dr. Margaret Chan
- (D) Ban Ki Moon

**Correct Answer:** (A) Antonio Guterres

#### **Solution:**

**Concept:** The Secretary-General is the chief administrative officer of the United Nations Organization (UNO). Antonio Guterres became the Secretary-General of the United Nations after Ban Ki-moon.

**Step 1: Identify the current Secretary-General.**

The present Secretary-General of the United Nations is:

Antonio Guterres

**Step 2: Analyze the remaining options.**

**Anthony Lake** He is not the Secretary-General of the UNO.

⇒ Incorrect

**Dr. Margaret Chan** She served as Director-General of WHO, not UN Secretary-General.

⇒ Incorrect

**Ban Ki Moon** He was the former Secretary-General before Antonio Guterres.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

Antonio Guterres

Hence, the correct answer is:

(A)

**Quick Tip:** The head of the United Nations is called:

Secretary-General

**4. Shekatkar Committee is constituted to suggest reforms in one of the following fields?**

- (A) Space Science
- (B) Agriculture
- (C) Defence

(D) Income Tax

**Correct Answer:** (C) Defence

**Solution:**

**Concept:** The Shekatkar Committee was constituted by the Government of India to recommend reforms in the defence sector. The committee focused on:

- Enhancing combat capability
- Defence expenditure reforms
- Improving military efficiency
- Restructuring defence forces

**Step 1: Identify the field related to the committee.**

The Shekatkar Committee was formed for reforms in:

Defence

**Step 2: Analyze the remaining options.**

**Space Science** The committee was not related to space research.

⇒ Incorrect

**Agriculture** No connection with agricultural reforms.

⇒ Incorrect

**Income Tax** The committee was unrelated to taxation matters.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

Defence

Hence, the correct answer is:

(C)

**Quick Tip:** The Shekatkar Committee is associated with:

Military and Defence Reforms

## Computer Awareness

1. Which of the following devices stores instructions that help the computer start up

- (A) Joystick
- (B) RAM
- (C) ROM
- (D) Monitor

**Correct Answer:** (C) ROM

### Solution:

**Concept:** A computer requires startup instructions called booting instructions to begin operation. These instructions are permanently stored in:

ROM

ROM stands for:

Read Only Memory

**Step 1:** Understand the function of ROM.

ROM stores:

- Boot program
- Firmware
- Startup instructions

Thus:

ROM

helps the computer start up.

**Step 2: Analyze the remaining options.**

**Joystick** It is an input device.

⇒ Incorrect

**RAM** RAM is temporary memory and loses data when power is off.

⇒ Incorrect

**Monitor** It is an output device.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the device storing startup instructions is:

ROM

Hence, the correct answer is:

(C)

**Quick Tip:** ROM stores:

Permanent Startup Instructions

required during computer booting.

---

**2. Which type of software would you use to make the computer perform a specific task, such as writing a letter or drawing pictures?**

- (A) application software
- (B) utility software
- (C) operating system software
- (D) system software

**Correct Answer:** (A) application software

**Solution:**

**Concept:** Application software is designed to help users perform specific tasks. Examples:

- Writing letters
- Drawing pictures
- Preparing presentations
- Browsing the internet

**Step 1: Understand the purpose of application software.**

Software used for user-oriented tasks is called:

Application Software

**Step 2: Analyze the remaining options.**

**Utility software** Used for maintenance and protection of the computer.

⇒ Incorrect

**Operating system software** Controls overall computer operations.

⇒ Incorrect

**System software** Used to manage hardware and system functions.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the software used for specific tasks is:

Application Software

Hence, the correct answer is:

(A)

**Quick Tip:** Examples of application software:

MS Word, Paint, Excel, Browser

**3. You can use this output device when you need only to see information**

- (A) printer
- (B) speaker
- (C) monitor
- (D) communications

**Correct Answer:** (C) monitor

**Solution:**

**Concept:** An output device is used to display or present processed information from a computer. A monitor is used when the user only wants to view information on the screen. **Step 1:**

**Understand the function of a monitor.**

A monitor:

- Displays text, images, and videos
- Provides visual output
- Allows users to see information directly

Thus:

Monitor

is the correct output device.

**Step 2: Analyze the remaining options.**

**Printer** Used for producing hard copies.

⇒ Incorrect

**Speaker** Used for audio output.

⇒ Incorrect

**Communications** Not an output device.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

Monitor

Hence, the correct answer is:

(C)

**Quick Tip:** Monitor is called a:

Visual Output Device

---

4. A file that the user can open and use is called a(n) \_\_\_\_\_.

- (A) application
- (B) document
- (C) programme
- (D) data

**Correct Answer:** (B) document

**Solution:**

**Concept:** A document is a file created and used by users for storing information such as text, images, or data. Examples:

- Word files
- PDF files
- Text documents

**Step 1: Understand the meaning of a document.**

A file that a user can open, edit, and use is called:

Document

**Step 2: Analyze the remaining options.**

**Application** An application is software used to perform tasks.

⇒ Incorrect

**Programme** A program is a set of instructions for the computer.

⇒ Incorrect

**Data** Data refers to raw facts and figures.

⇒ Incorrect

**Step 3: Identify the correct option.**

Therefore, the correct answer is:

Document

Hence, the correct answer is:

(B)

**Quick Tip:** Examples of documents:

Word Files, PDFs, Text Files