

JET Exam 2026 dated 26/4/2026 in Jharkhand State

Paper-I General Studies

Teaching and Research Aptitude Set (T&R)- Total 15 Question Asked

Qu1: Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Online methods like MOOCs promote 'Autonomy' and 'Self-paced' learning.

Reason (R): Online learning platforms provide a fixed schedule and mandatory physical presence.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

Answer: (C) A is correct but R is not correct

Qu 2: Which of the following social characteristics is specifically associated with the 'Identity vs. Role Confusion' crisis in adolescent learners?

- (A) A desire to conform strictly to parental authority
- (B) The development of a 'Personal Fable' and an 'Imaginary Audience'
- (C) The prioritizing of vocational stability over social exploration
- (D) Total independence from peer influence

Answer: (B) The development of a 'Personal Fable' and an 'Imaginary Audience'

Qu 3: Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Adolescent learners are more likely to exhibit 'affective' volatility in the classroom.

Reason (R): The prefrontal cortex, responsible for executive function and impulse control, is still developing during adolescence.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

Answer: (A) Both A and R are correct and R is the correct explanation of A

Qu 4: 'Self-Efficacy' in a learner is most significantly affected by which of the following?

- (A) The architecture design of the institution.

- (B) Previous mastery experience and verbal persuasion from the teacher.
- (C) The availability of higher-speed internet in the learning environment.
- (D) The age of the support materials used.

Ans: (B) Previous mastery experience and verbal persuasion from the teacher.

Qu 5: Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Teaching and Instruction are synonymous terms in the context of higher learning.

Reason (R): Teaching is a broader concept that includes the development of values and critical thinking, whereas Instruction is task-oriented.

Choose the most appropriate answer:

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

Answer: (D) A is not correct but R is correct

Qu 6: 'Instructional Facilities' that incorporate 'Adaptive Learning' technologies affect the teaching-learning process by:

- (A) Reducing the need for a physical presence of teacher in the classroom
- (B) Dynamically adjusting the difficulty of content based on individual learner performance
- (C) Ensuring all students progress at the exact same pace
- (D) Providing a standardized curriculum for all learners regardless of ability

Answer: (B) Dynamically adjusting the difficulty of content based on individual learner performance

Qu 7: A researcher uses a 'Snowball Sampling' technique. This is most likely used in which type of research?

- (A) Quantitative
- (B) Qualitative
- (C) Experimental
- (D) Descriptive

Answer: (B) Qualitative

Qu 8: Which of the following is a 'Type II' Error in hypothesis testing?

- (A) Rejecting a True Null Hypothesis (H_0)
- (B) Accepting a False Null Hypothesis (H_0)
- (C) Rejecting a False Null Hypothesis (H_0)
- (D) Accepting a True Null Hypothesis (H_0)

Answer: (B) Accepting a False Null Hypothesis (H_0)

Qu 9: Researchers conduct a study on the impact of a new teaching method. They conclude that the method is significantly better than the old one ($p < 0.05$). However, in reality, there is no difference between the two methods. Which of the following has occurred?

- (A) Type II Error (beta error)
- (B) Type I Error (alpha error)
- (C) Sampling Error
- (D) Systematic Error

Ans: (B) Type I Error (alpha error)

Qu 10: Which of the following describes the “Vancouver Style” of referencing?

- (A) Author-Date system
- (B) Author-Page system
- (C) Numerical system
- (D) Footnote-only system

Ans: (C) Numerical system

Qu 11: In American Psychological Association (APA) style, what is the correct order for an entry in the reference list?

- (A) Year, Author, Title, Journal
- (B) Author, Year, Title, Journal
- (C) Author, Title, Year, Journal
- (D) Title, Author, Year, Journal

Ans: (B) Author, Year, Title, Journal

Qu 12: Consider the following statements:

Statement I: Action Research is a cyclical process involving Plan, Act, Observe, and Reflect.

Statement II: The results of Action Research can be generalised to the entire global population.

Choose the correct answer:

- (A) Both Statement I and Statement II are correct.
- (B) Both Statement I and Statement II are incorrect.
- (C) Statement I is correct, but Statement II is incorrect.
- (D) Statement I is incorrect, but Statement II is correct.

Ans: (C) Statement I is correct, but Statement II is incorrect.

Qu 13: When a supervisor is busy on a call and ignores a worker’s explanation of a machine fault, this is an example of:

- (A) Semantic Barrier
- (B) Psychological Barrier
- (C) Physical Barrier
- (D) Mechanical Barrier

Ans: (B) Psychological Barrier

Qu 14: Match the following List-I with List-II:

List-I

- (a) SWAYAM
- (b) NPTEL
- (c) National Digital Library of India
- (d) Digital India Program

List-II

- (i) National MOOC platform for multidisciplinary courses
- (ii) Engineering-focused online lectures
- (iii) Centralized digital academic repository
- (iv) Digital infrastructure for governance services

Choose the correct answer from the options given below:

- (A) a-i, b-ii, c-iii, d-iv
- (B) a-ii, b-i, c-iv, d-iii
- (C) a-i, b-iii, c-ii, d-iv
- (D) a-iv, b-ii, c-i, d-iii

Answer: (A) a-i, b-ii, c-iii, d-iv

Qu 15: Which characteristic distinguishes 'non-conventional' learning from 'conventional' learning?

- (A) It always requires a physical campus
- (B) It follows a rigid, non-negotiable timeline for all learners
- (C) It is often learner-centered and utilizes diverse delivery media
- (D) It relies exclusively on the "Lecture Method" of teaching

Answer: (C) It is often learner-centered and utilizes diverse delivery media

Communication Set - Total 7 Question Asked

Qu 16: The condition of 'Sannidhi' (also known as Asatti) in Verbal Testimony implies:

- (A) The words must be spoken by a divine being
- (B) The words must be uttered in close temporal and spatial succession
Without long interval.
- (C) The words must have a hidden metaphorical meaning.
- (D) The words must be verified by perception (Pratyaksha)

Ans: (B) The words must be uttered in close temporal and spatial succession

Without long interval.

Qu 17: In a 'Group Communication' setting the term "Groupthink" refers to:

- (A) High-level creative brainstorming
- (B) A psychological phenomenon where the desire for harmony results in an
Irrational decision-making outcome.
- (C) Using digital tools to communicate within a team.
- (D) A democratic way of researching a consensus.

Ans: (B) A psychological phenomenon where the desire for harmony results in an

Irrational decision-making outcome.

Qu 18: Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Communication is a process of 'negotiation of meaning'.

Reason (R): Meaning does not reside in words, but in the people who use them.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

Ans: (A) Both A and R are correct and R is the correct explanation of A

Qu 19: 'Kinesics', 'Proxemics', and 'Haptics' are sub-types of:

- (A) Verbal Communication
- (B) Para-language
- (C) Non-Verbal Communication
- (D) Mass Communication

Ans: (C) Non-Verbal Communication

Qu 20: 'Para-language' includes which of the following elements?

- (A) Choice of words and sentence structure.
- (B) Pitch, tone, volume, and pauses in speech
- (C) The physical environment of the room.
- (D) The facial expressions of the listener.

Ans: (B) Pitch, tone, volume, and pauses in speech

Qu 21: According to the 'Buddhist' school of philosophy. Which of the following are the ONLY two valid Pramanas?

- (A) Pratyaksha (Direct Perception) and Shabda (Verbal Testimony)
- (B) Pratyaksha (Direct Perception) and Anumana (inference)
- (C) Anumana (Inference) and Upamana (Comparison)
- (D) Pratyaksha (Direct Perception) and Arthapatti (Postulation)

Ans: (B) Pratyaksha (Direct Perception) and Anumana (inference)

Qu 22: The 'Prabhkara' school of Mimamsa recognises how many Pramanas?

- (A) 3
- (B) 5
- (C) 6
- (D) 2

Ans: (B) 5

Information and Communication Technology Set (I&CT)-

Total 3 Question Asked

Qu 23: Identify the correct sequence of words A–D that fills the blanks:

Electronic mail is transmitted using ____ protocol for sending messages.

To retrieve emails from a server, a client typically uses ____.

The message travels over a network identified through a unique ____, and the domain is resolved using ____.

- (a) SMTP
- (b) POP3
- (c) IP Address
- (d) DNS

Choose the correct answer from the options given below:

- (A) a, b, c, d
- (B) b, a, d, c
- (C) a, c, b, d
- (D) d, c, a, b

Answer: (A) a, b, c, d

Qu 24: Which of the following statements are correct?

- (a) VPN ensures encrypted communication over public networks.
- (b) Intranet is accessible globally without restriction.
- (c) HTTPS uses SSL/TLS for secure communication.
- (d) Cookies can execute malicious code independently.

Choose the correct answer from the options given below:

- (A) a and c only
- (B) b and d only
- (C) a, b and c only
- (D) a, c and d only

Answer: (A) a and c only

Qu 25: A university conducts online examinations through a cloud-based platform. Students' login remotely, and exam data is stored centrally.

Which of the following is the MOST critical risk in this system?

- (A) Cache memory failure
- (B) Bandwidth increase
- (C) Data breach and unauthorized access
- (D) Screen resolution mismatch

Answer: (C) Data breach and unauthorized access

Mathematical & Logical Reasoning Set (M&L)-

Total 11 Question Asked

Qu. 26: Find the missing number in the series:

7, 20, 47, 102, 201,

- (A) 420
- (B) 456
- (C) 480
- (D) 436

Ans (D) 436

Qu. 27: If 'ORAL' is coded as 3196, than how is 'WRITTEN' coded?

- (A) 5522325
- (B) 5522995
- (c) 5893355
- (D) 5192256

Ans: (B) 5522995

Qu. 28: In the Square of Opposition, "Subalternation" exists between:

- (A) A and E
- (B) I and O
- (C) A and I
- (D) A and O

Ans: (C) A and I

Qu. 29: What will be the next number in the series?

1, 2, 6, 21, 88, ?

- (A) 445
- (B) 352
- (C) 440
- (D) 520

Ans: (A) 445

Qu. 30: A man walks 10 km North, turns 45° clockwise and walks 5 Km, than turns

135° clockwise and walks 10 km. In which direction is he now from his starting point?

- (A) North-East
- (B) South-East
- (C) East
- (D) South

Ans: (B) South-East

Qu. 31: A man sells two cows for Rupees 12,000 each. On One, he gains 25%, and on the whole transaction, he makes neither a profit nor a loss. What was the loss percentage on the second cow?

- (A) 16.66% (C) 20%
(B) 25% (D) 14.28%

Ans: (A) 16.66%

Qu. 32: Arrange the following terms in order of 'Increasing Intension'

- a. Animal
b. Living Being
c. Golden Retriever
d. Dog

Choose the correct answer from the options given below:

- (A) b, a, d, c (c) c, d, a, b
(B) a, b, c, d (D) d, c, b, a

Ans: (A) b, a, d, c

Qu. 33: Given below are two statements: one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.

Assertion (A): Every valid argument is a sound argument.

Reason (R): A sound argument must have a valid structure and all true premises.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (A) Both A and R are correct and R is the correct explanation of A
(B) Both A and R are correct but R is not the correct explanation of A
(C) A is correct but R is not correct
(D) A is not correct but R is correct

Ans: (D) A is not correct but R is correct

Qu. 34: "The universe is like a giant watch. A watch must have a designer. Therefore, the universe must have a designer."

Which informal fallacy is committed here?

- (A) Red Herring
(B) False Analogy
(C) Hasty Generalisation
(D) Post Hoc Ergo Propter Hoc

Ans: (B) False Analogy

Qu. 35: Argument: The city's new bike lane initiative has failed because the number of Car accidents has not decreased since the lanes were installed. Which of the following, If true, most weakens the argument?

- (A) Bike lane usage increased by 40 % in the last year.
- (B) Total traffic volume in the city increased by 25 % during the same period.
- (C) Most car accidents happen at night when bikes are not on the road.
- (D) The bike lanes were painted green for better visibility.

Ans: (B) Total traffic volume in the city increased by 25 % during the same period.

Qu. 36: In a class, the average marks of boys is 52, and that of girls is 42. If the average Marks of the whole class is 48, what is the percentage of boys in the class?

- (A) 40 %
- (B) 60 %
- (c) 50 %
- (D) 70 %

Ans : (B) 60 %

Data Interpretation Set (DI)- Total 9Question Asked

(Qu 37-38) The Ministry of Education released data on student enrollment in higher education institutions across different social categories. The objective was to evaluate the impact of inclusion policies and reservation reforms.

Enrollment figures (in thousands) are given below:

Category	2020	2021	2022
General	400	420	460
OBC	300	340	380
SC	180	210	250
ST	120	150	200

Qu. 37: The total enrollment growth (all categories combined) from 2020 to 2022 is approximately:

- (A) 29%
- (B) 22%
- (C) 26%
- (D) 30%

Ans (A) 29%

Qu 38: If the SC category enrollment trend continues linearly, the projected enrollment in 2023 would be closest to:

- (A) 230
- (B) 240

- (C) 300
- (D) 350

Ans (C) 300

Qu. 39: The variable “Category” represent which type of data:

- (A) Continuous quantitative variable
- (B) Nominal qualitative variable
- (C) Ordinal scale variable
- (D) Discrete numerical Variable

Ans (B) Nominal qualitative variable

Qu. 40: Rising enrolment among SC and ST categories most strongly suggests:

- (A) Declining academic standards
- (B) Effective implementation of social justice policies
- (C) Reduced access to education
- (D) Privatization growth

Ans (B) Effective implementation of social justice policies

Qu. (41-45) The State Department of Education launched the “Integrated School Modernization Scheme” in 2018 to improve infrastructure in government schools.

The scheme focused on:

- Upgrading existing rural and urban schools
- Installing smart boards and digital classrooms
- Reducing the urban–rural infrastructure gap
- Promoting ICT-enabled learning

The table below shows the number of schools upgraded and digital classrooms installed between 2018 and 2021.

Table: Schools Upgraded Under the Scheme

Year	Rural Schools Upgraded	Urban Schools Upgraded
2018	250	150
2019	300	180
2020	420	210
2021	500	260

Qu 41: The percentage increase in total Digital Classrooms (Rural + Urban) from 2018 to 2021 is approximately:

- (A) 93.33%
- (B) 73.33%

- (C) 83.33%
- (D) 63.33%

Ans (A) 93.33%

Qu 42: In which year was the highest gap between Rural and Urban school upgrades observed?

- (A) 2018
- (B) 2019
- (C) 2020
- (D) 2021

Ans (D) 2021

Qu 43: The Compound Annual Growth Rate (CAGR) of Rural school upgrades from 2018 to 2021 is closest to:

- (A) 18%
- (B) 25%
- (C) 30%
- (D) 35%

Ans (B) 25%

Qu 44: The data shown above is best classified as:

- (A) Qualitative nominal data
- (B) Quantitative discrete time-series data
- (C) Continuous qualitative data
- (D) Ordinal data

Ans (B) Quantitative Discrete time-Series Data

Qu 45: From a governance perspective, the sharp rise in digital classrooms indicates:

- (A) De-prioritization of physical schools
- (B) ICT-driven educational reform strategy
- (C) Decline in rural education
- (D) Budget cuts in infrastructure

Ans (B) ICT driven education reform strategy

Higher Education System Set -5 Qu Asked

Qu. 46. An educational institution integrates biometric attendance, cloud-based LMS, and encrypted online fee payment systems.

Which of the following best describes the overall impact of this integration?

- (A) Complete elimination of human supervision
- (B) Increased administrative transparency and data security
- (C) Reduction in need for internet connectivity
- (D) Decreased dependence on ICT infrastructure

Ans (B) Increased administrative transparency and data security

Qu. 47. According to the accounts of Xuanzang (Hieun Tsang), the 'Entrance Examination' for Nalanda University was conducted by whom?

- (A) The King of the Magadha Empire

- (B) The Chief Abbot (Kula-pati)
- (C) The Dwar-Pandits (Gatekeepers)
- (D) Senior students of the university

Ans (C) The Dwar-Pandits (Gatekeepers)

Qu. 48 Given below are two statements: one is labelled as Assertion (A) and the other as Reason (R).

Assertion (A): The AICTE (All India Council for Technical Education) is a statutory body.

Reason (R): AICTE was established by an Act of Parliament in 1987 to ensure planned development of technical education.

In the light of the above statements, choose the most appropriate answer:

- (A) Both A and R are correct and R is the correct explanation of A
- (B) Both A and R are correct but R is not the correct explanation of A
- (C) A is correct but R is not correct
- (D) A is not correct but R is correct

Ans (A) Both A and R are correct and R is the correct explanation of A

Qu. 49 Under which Article of the Indian Constitution is it a *Fundamental Duty* of every citizen to protect and improve the natural environment?

- (A) Article 21
- (B) Article 48A
- (C) Article 51A (g)
- (D) Article 300A

Ans (C) Article 51A (g)

Qu. 50 Under the National Education Policy (NEP) 2020, the proposed HECI (Higher Education Commission of India) is set to replace the University Grants Commission (UGC) and AICTE.

Which of the following is **NOT** one of the four independent verticals of HECI?

- (A) NHERC (National Higher Education Regulatory Council)
- (B) NAC (National Accreditation Council)
- (C) HEGC (Higher Education Grants Council)
- (D) NCVET (National Council for Vocational Education and Training)

Ans (D) NCVET (National Council for Vocational Education and Training)