

CAT 2013 VARC Slot 2 Question Paper

Time Allowed :3 Hours

Maximum Marks :300

Total questions :100

General Instructions

Read the following instructions very carefully and strictly follow them:

1. **Duration of Section:** 40 Minutes
2. **Total Number of Questions:** 22 Questions (as per latest pattern, may vary slightly)
3. **Section Covered:** Quantitative Aptitude (QA)
4. **Type of Questions:**
 - Multiple Choice Questions (MCQs)
 - Type In The Answer (TITA) Questions – No options given, answer to be typed in
5. **Marking Scheme:**
 - +3 marks for each correct answer
 - -1 mark for each incorrect MCQ
 - No negative marking for TITA questions
6. **Syllabus Coverage:** Arithmetic, Algebra, Geometry, Number System, Modern Math, and Mensuration
7. **Skills Tested:** Numerical ability, analytical thinking, and problem-solving

Passage: The rise of social media has transformed global communication, enabling instant connectivity across continents. However, this transformation comes with significant drawbacks, including concerns about privacy, the spread of misinformation, and negative impacts on mental health. Studies indicate that excessive social media use can increase anxiety and depression, while curated online personas often create unrealistic expectations and distort perceptions of reality.

1. According to the passage, what is a key concern associated with social media use?

- (1) Increased global connectivity
 - (2) Enhanced communication speed
 - (3) Privacy issues
 - (4) Improved mental health
-

2. Which of the following sentences is grammatically correct?

- (1) She don't like to read novels, but enjoys poetry.
 - (2) She doesn't like to read novels, but she enjoys poetry.
 - (3) She doesn't likes to read novels, but enjoy poetry.
 - (4) She don't likes reading novels, but enjoying poetry.
-

3. Choose the word closest in meaning to "Ephemeral."

- (1) Permanent
 - (2) Transient
 - (3) Eternal
 - (4) Durable
-

Passage: Urbanization has accelerated globally, driving economic growth and innovation. However, it also brings challenges such as overcrowding, pollution, and strain on infrastructure. To address these issues, cities must adopt sustainable practices, including green energy and efficient public transportation, to balance development with environmental health.

4. According to the passage, what must cities adopt to address the challenges of urbanization?

- (1) Economic policies
 - (2) Sustainable practices
 - (3) Population control
 - (4) Industrial expansion
-

5. Arrange the following sentences to form a coherent paragraph:

- A. She excelled in academics, consistently topping her class.
- B. Her passion for science led her to pursue a research career.
- C. She won several awards for her groundbreaking contributions.
- D. She pursued a PhD in physics at a prestigious university.

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

6. Choose the word most opposite in meaning to "Obscure."

- (1) Hidden
 - (2) Vague
 - (3) Clear
 - (4) Ambiguous
-

7. The scientist's discovery was because it challenged existing theories.

- (1) trivial
 - (2) groundbreaking
 - (3) irrelevant
 - (4) predictable
-

Passage: Artificial intelligence (AI) is revolutionizing industries such as healthcare, finance, and transportation by automating complex tasks. However, ethical concerns, including bias in algorithms and lack of transparency, pose significant challenges to its widespread adoption. Addressing these issues is crucial for responsible AI development.

8. What is a significant challenge mentioned for AI adoption in the passage?

- (1) High development costs
 - (2) Lack of skilled professionals
 - (3) Bias in algorithms
 - (4) Slow processing speeds
-

9. If all managers are trained, and some employees are managers, which of the following must be true?

- (1) All employees are trained.
 - (2) Some employees are trained.
 - (3) No employees are trained.
 - (4) Some managers are not employees.
-

10. The economy is recovering slowly due to cautious consumer spending. Businesses are adapting by focusing on cost efficiency and streamlined operations.

Which of the following sentences logically completes the paragraph?

- (1) However, global trade remains stagnant.
 - (2) As a result, innovation is driving growth.
 - (3) Consequently, many firms are investing in digital solutions.
 - (4) In contrast, unemployment rates are rising.
-

11. Choose the word closest in meaning to "Candid."

- (1) Deceptive
 - (2) Honest
 - (3) Reserved
 - (4) Cautious
-

Passage: Renewable energy sources, such as solar and wind, are gaining traction worldwide due to growing environmental concerns over fossil fuels. Despite their benefits, high initial costs and infrastructure requirements remain significant barriers to widespread adoption.

12. According to the passage, why are renewable energy sources gaining traction?

- (1) Low maintenance costs
 - (2) Environmental concerns
 - (3) Government subsidies
 - (4) High efficiency
-

13. Which of the following sentences is grammatically correct?

- (1) The team are working on a new project.
 - (2) The team is working on a new project.
 - (3) The team works on a new project are.
 - (4) The team working is on a new project.
-

14. If all roses are flowers, and some flowers are red, which of the following must be true?

- (1) All roses are red.
 - (2) Some roses are red.
 - (3) Some flowers are not roses.
 - (4) No roses are red.
-

15. Arrange the following sentences to form a coherent paragraph:

- A. The company launched a new product line last month.
- B. It aimed to capture the youth market with trendy designs.
- C. Marketing campaigns were aggressive, using social media extensively.
- D. Sales exceeded expectations, boosting company revenue.

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

16. Choose the word most opposite in meaning to "Benevolent."

- (1) Kind
- (2) Generous
- (3) Malevolent

(4) Friendly

17. The politician's speech was because it avoided addressing key issues.

- (1) compelling
 - (2) evasive
 - (3) inspiring
 - (4) transparent
-

Passage: Climate change poses a severe threat to biodiversity, with many species facing extinction due to habitat loss and rising temperatures. Conservation efforts, such as habitat restoration and protected areas, are critical to mitigate these impacts and preserve ecosystems.

18. What is critical to mitigate the impact of climate change on biodiversity, according to the passage?

- (1) Economic development
 - (2) Conservation efforts
 - (3) Industrial growth
 - (4) Urban expansion
-

19. If no birds are mammals, and some animals are birds, which of the following must be true?

- (1) All animals are mammals.
 - (2) Some animals are not mammals.
 - (3) No animals are birds.
 - (4) All birds are animals.
-

20. Education systems are evolving to include digital tools to enhance learning. Teachers are being trained to integrate technology effectively into their classrooms.

Which of the following sentences logically completes the paragraph?

- (1) However, funding remains a challenge.
- (2) As a result, student engagement has increased.

- (3) In contrast, traditional methods are obsolete.
 - (4) Consequently, textbooks are being replaced.
-

21. Choose the word closest in meaning to "Pragmatic."

- (1) Idealistic
 - (2) Practical
 - (3) Theoretical
 - (4) Imaginative
-

Passage: The gig economy offers workers flexibility to choose their schedules and projects. However, it lacks job security, with workers facing unpredictable incomes and no access to traditional benefits like health insurance or pensions.

22. What is a drawback of the gig economy mentioned in the passage?

- (1) High flexibility
 - (2) Unpredictable incomes
 - (3) Extensive benefits
 - (4) Stable employment
-

23. Which of the following sentences is grammatically correct?

- (1) He have two cats and a dog.
 - (2) He has two cats and a dog.
 - (3) He having two cats and a dog.
 - (4) He have two cats and dog.
-

24. If all students passed the exam, and some students are athletes, which of the following must be true?

- (1) All athletes passed the exam.
 - (2) Some athletes failed the exam.
 - (3) No athletes passed the exam.
 - (4) Some students are not athletes.
-

25. Arrange the following sentences to form a coherent paragraph:

- A. The festival attracted thousands of visitors from across the region.
- B. It showcased local culture and cuisine through various events.
- C. Performances by artists were held daily, drawing large crowds.
- D. The event significantly boosted tourism in the area.

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

26. Choose the word most opposite in meaning to "Frugal."

- (1) Thrifty
 - (2) Economical
 - (3) Extravagant
 - (4) Prudent
-

27. The policy was due to widespread public opposition.

- (1) implemented
 - (2) abandoned
 - (3) enforced
 - (4) promoted
-

Passage: Online education has expanded access to learning, allowing students from remote areas to pursue courses. However, it struggles with low student engagement due to the lack of face-to-face interaction. Interactive tools, such as virtual simulations and discussion platforms, are being developed to address this issue.

28. What is being developed to address low student engagement in online education?

- (1) New courses
- (2) Interactive tools
- (3) Physical classrooms
- (4) Standardized tests

29. If all cars are vehicles, and some vehicles are electric, which of the following must be true?

- (1) All cars are electric.
- (2) Some cars are electric.
- (3) Some vehicles are not cars.
- (4) No cars are electric.

30. The negotiations were due to both parties' willingness to compromise.

- (1) unsuccessful
- (2) prolonged
- (3) successful
- (4) contentious

Passage: Remote work has become prevalent, offering employees flexibility and reducing commuting costs. However, it can lead to feelings of isolation and challenges in maintaining work-life balance. Companies are introducing virtual team-building activities to foster collaboration.

31. According to the passage, what are companies introducing to foster collaboration in remote work?

- (1) Flexible schedules
- (2) Virtual team-building activities
- (3) Office expansions
- (4) Commuting subsidies

32. Arrange the following sentences to form a coherent paragraph:

- A. The startup developed an innovative app for language learning.
- B. It gained popularity due to its user-friendly interface.
- C. The app used AI to personalize lessons for each user.
- D. Within a year, it had millions of downloads worldwide.

- (1) A, C, B, D

(2) B, A, C, D

(3) A, B, C, D

(4) C, A, B, D

33. Choose the word closest in meaning to "Resilient."

(1) Fragile

(2) Adaptable

(3) Rigid

(4) Weak

34. If all teachers are educated, and some educated people are writers, which of the following must be true?

(1) All teachers are writers.

(2) Some teachers are writers.

(3) Some educated people are not teachers.

(4) No teachers are writers.
