

## CAT 2011 VARC Slot 2 Question Paper

<b>Time Allowed :3 Hours</b>	<b>Maximum Marks :300</b>	<b>Total questions :100</b>
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### 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 for Questions 1-3:**

The rise of social media has transformed communication, enabling instant connectivity across the globe. However, it has also raised concerns about privacy, misinformation, and mental health. Studies suggest that excessive use of social media can lead to anxiety and reduced attention spans, particularly among teenagers. Despite these challenges, social media platforms continue to grow, with companies investing heavily in algorithms to enhance user engagement. The balance between connectivity and its associated risks remains a critical issue.

**1.** What is the primary concern raised about social media in the passage?

- (1) Lack of user engagement
  - (2) Privacy, misinformation, and mental health
  - (3) Slow global connectivity
  - (4) High investment costs
- 

**2.** According to the passage, what is a consequence of excessive social media use?

- (1) Improved attention spans
  - (2) Increased anxiety
  - (3) Enhanced global connectivity
  - (4) Reduced algorithm investment
- 

**3.** What can be inferred about social media companies from the passage?

- (1) They are reducing their presence globally
  - (2) They are investing in user engagement
  - (3) They are unaware of privacy concerns
  - (4) They are decreasing algorithm development
- 

**4.** Arrange the following sentences to form a coherent paragraph:

- A. She decided to pursue painting as a career.
- B. Her family, however, urged her to choose a more stable profession.
- C. From a young age, Meera loved to paint.
- D. Despite their objections, she enrolled in an art school.

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

**5.** Choose the grammatically correct sentence:

- (1) She don't like to travel alone.
  - (2) She doesn't likes to travel alone.
  - (3) She doesn't like to travel alone.
  - (4) She don't likes to travel alone.
- 

**6.** Choose the word closest in meaning to "Ephemeral":

- (1) Permanent
  - (2) Temporary
  - (3) Ancient
  - (4) Complex
- 

**7.** Statement: All successful entrepreneurs are risk-takers.

Conclusion: If a person is not a risk-taker, they cannot be a successful entrepreneur.

Is the conclusion valid?

- (1) Yes
  - (2) No
  - (3) Partially valid
  - (4) Cannot determine
- 

**Passage for Questions 8-10:**

Education systems worldwide are adapting to technological advancements. Online learning platforms have made education accessible, but they lack the personal interaction of traditional classrooms. Teachers face challenges in engaging students virtually, while students struggle with self-discipline. Despite these issues, online education offers flexibility and access to diverse resources, reshaping how knowledge is delivered.

**8.** What is a benefit of online learning mentioned in the passage?

- (1) Enhanced personal interaction
  - (2) Greater flexibility
  - (3) Improved self-discipline
  - (4) Reduced resource access
- 

**9.** What challenge do teachers face in online education?

- (1) Lack of resources
  - (2) Engaging students virtually
  - (3) Reduced flexibility
  - (4) Excessive personal interaction
- 

**10.** What can be inferred about online education's impact on students?

- (1) It eliminates the need for self-discipline
  - (2) It increases the need for self-discipline
  - (3) It reduces access to resources
  - (4) It enhances classroom interaction
- 

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

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

**12.** The politician's decision to ignore the economic data was *and dangerous*.

- (1) Prudent
  - (2) Reckless
  - (3) Justified
  - (4) Ethical
- 

**13.** Arrange the following sentences to form a coherent paragraph:

- A. The festival attracted thousands of visitors annually.
- B. It celebrated local culture with music and dance.
- C. The small town was known for its vibrant festival.
- D. Performers from across the region participated.

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

**14.** Choose the grammatically correct sentence:

- (1) The team are working on the project.
  - (2) The team is working on the project.
  - (3) The team were work on the project.
  - (4) The team is work on the project.
- 

**15.** Choose the word closest in meaning to "Mundane":

- (1) Exciting
  - (2) Ordinary
  - (3) Rare
  - (4) Complex
- 

**16.** Statement: All doctors are highly educated.

Conclusion: If a person is highly educated, they are a doctor.

Is the conclusion valid?

- (1) Yes
  - (2) No
  - (3) Partially valid
  - (4) Cannot determine
- 

**Passage for Questions 17-19:**

Climate change poses significant challenges to global ecosystems. Rising temperatures are causing polar ice to melt, leading to habitat loss for species like polar bears. Governments are implementing policies to reduce carbon emissions, but progress is slow due to economic priorities. Public awareness is growing, yet individual actions often fall short of systemic change.

**17.** What is a direct consequence of rising temperatures according to the passage?

- (1) Increased carbon emissions
  - (2) Habitat loss for polar bears
  - (3) Rapid policy implementation
  - (4) Decreased public awareness
- 

**18.** Why is progress on climate change policies slow?

- (1) Lack of public awareness
  - (2) Economic priorities
  - (3) Absence of government policies
  - (4) Rapid ecosystem recovery
- 

**19.** What can be inferred about public awareness of climate change?

- (1) It is decreasing
  - (2) It is stagnant
  - (3) It is growing
  - (4) It is irrelevant
- 

**20.** Her speech was so that the audience was captivated throughout.

- (1) Monotonous
  - (2) Eloquent
  - (3) Vague
  - (4) Tedious
- 

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

- (1) Idealistic

- (2) Practical
  - (3) Emotional
  - (4) Theoretical
- 

**22.** Arrange the following sentences to form a coherent paragraph:

- A. The book became a bestseller within weeks.
- B. It explored themes of love and loss.
- C. The author launched her debut novel last month.
- D. Critics praised its emotional depth.

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

**23.** Choose the grammatically correct sentence:

- (1) He have finished his homework.
  - (2) He has finish his homework.
  - (3) He has finished his homework.
  - (4) He have finish his homework.
- 

**24.** Statement: All roses are flowers.

Conclusion: Some flowers are roses.

Is the conclusion valid?

- (1) Yes
  - (2) No
  - (3) Partially valid
  - (4) Cannot determine
- 

**25.** The project was completed due to the team's dedication.

- (1) Behind schedule
- (2) On time

- (3) Without effort
  - (4) With errors
- 

**26.** Choose the word closest in meaning to "Obscure":

- (1) Clear
  - (2) Hidden
  - (3) Prominent
  - (4) Simple
- 

**27.** Arrange the following sentences to form a coherent paragraph:

- A. The city introduced a new recycling program.
- B. It aimed to reduce waste by 50%.
- C. Residents were educated about proper sorting.
- D. The program saw significant participation.

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

**28.** Choose the grammatically correct sentence:

- (1) Meera enjoy reading novels.
  - (2) Meera enjoys read novels.
  - (3) Meera enjoys reading novels.
  - (4) Meera enjoy read novels.
- 

**29.** Statement: No cats are dogs.

Conclusion: No dogs are cats.

Is the conclusion valid?

- (1) Yes
- (2) No
- (3) Partially valid



(4) Cannot determine

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**30.** The scientist's discovery was *and changed the field forever.*

- (1) Trivial
  - (2) Groundbreaking
  - (3) Temporary
  - (4) Confusing
- 

**31.** Choose the word closest in meaning to "Resilient":

- (1) Fragile
  - (2) Adaptable
  - (3) Rigid
  - (4) Weak
- 

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

- A. The startup grew rapidly in its first year.
- B. It offered innovative tech solutions.
- C. A young entrepreneur founded the startup.
- D. Investors were impressed by its potential.

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

**33.** Choose the grammatically correct sentence:

- (1) The children plays in the park.
  - (2) The children play in the park.
  - (3) The children is playing in the park.
  - (4) The children plays in the parks.
- 

**34.** Statement: Some birds can fly.

Conclusion: Some birds cannot fly.

Is the conclusion valid?

- (1) Yes
  - (2) No
  - (3) Partially valid
  - (4) Cannot determine
-