



General Instructions

- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +5 marks for correct answer and -1 mark for wrong answer.
- (iii) The total number of questions are 50.
- (iv) Duration of the exam is 1 hour (60 minutes).

1. Which one of the following countries is not a member of the "Quadrilateral Security Dialogue", also known as "QUAD"?

- (A) China
 - (B) Japan
 - (C) India
 - (D) Australia
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2. Find the smallest number which should be added to the smallest number divisible by 6, 9 and 15 to make it a perfect square.

- (A) 10
 - (B) 9
 - (C) 19
 - (D) 21
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3. A household appliances company offers two successive discounts of 20% and 35% on the

sale of a food processor. What is the final sale price (in Rs, to the nearest rupee) of a food processor costing Rs. 4580?

- (A) 2519
 - (B) 2977
 - (C) 2382
 - (D) 3664
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4. In triangle ABC, the bisector of angle BAC meets BC at point D in such a way that $AB = 10$ cm, $AC = 15$ cm and $BD = 6$ cm. Find the length of BC (in cm).

- (A) 17
 - (B) 11
 - (C) 15
 - (D) 9
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5. Three positive numbers are in the ratio $2 : 3 : 4$. The sum of their squares is 2349. The average of the first two numbers is:

- (A) 36
 - (B) 27.5
 - (C) 18
 - (D) 22.5
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6. Who is the father of "Indian Archaeology"?

- (A) James Burgess
 - (B) Sir John Marshall
 - (C) Sir Alexander Cunningham
 - (D) Carl Ortwin Sauer
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7. Which are the correct examples of Newton's 3rd law motion?

- (A) Recoil of a gun
- (B) Running horse stops suddenly, the rider bends forward
- (C) Motion of rocket
- (D) It gives the definition of force
- (E) Swimming

Choose the correct answer from the options given below:

- (A) (A), (B) and (C) only
 - (B) (A), (C) and (E) only
 - (C) (B), (C) and (D) only
 - (D) (C), (D) and (E) only
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8. Who was the founder of Arya Samaj?

- (A) Raja Ram Mohan Roy
 - (B) Swami Vivekananda
 - (C) Swami Dayanand Saraswati
 - (D) Keshab Chandra Sen
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9. The Vice-Chancellor of a State University is appointed by which authority?

- (A) President
 - (B) Prime Minister
 - (C) Governor
 - (D) Home Minister
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10. What is the pH range of milk?

- (A) 7.2 - 7.5
- (B) 9.2 - 9.5

(C) 6.7 - 6.9

(D) 3.4 - 3.9
