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| 1. | A and B play a game such that the loser doubles the money of the winner. A loses the first game and B loses the next game. If both have Rs 120 now, with how much money did A start? |
| a) | 90   |
| b) | 100  |
| c) | 120  |
| d) | 150  |

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| 2. Q<br>Med | Instead of finding $\frac{5}{6}$ of a number, a student found $\frac{5}{16}$ <sup>th</sup> of the number. The difference was 100. Find the number? |
| a)          | 150  |
| b)          | 186  |
| c)          | 192  |
| d)          | 300  |

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| 3. Q<br>Med | Father has 3 sons. He gives half the money plus 2 lakhs to the first son, half the remaining money plus 2 lakhs to the second son and half the remaining money plus 2 lakhs to the third son. The father now has Rs 1 lakh with him. How much money did the father start with? |
| a)          | 24   |
| b)          | 36   |
| c)          | 48   |
| d)          | 60   |

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| 4. | When the rich merchant's daughter asked him "How many gold coins do you have?", he said "If I divide them into 2 unequal numbers, the difference in the squares of the numbers is 60 times the difference between the numbers". How many coins did the merchant have? |
| a) | 60  |
| b) | 100   |
| c) | 120   |
| d) | Data insufficient   |

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| 5. | Sweets are sold in boxes with 100 sweets each priced at 20. The shop owner is considering increasing the size of the boxes in steps of 20 with the unit price reducing by Rs 2. The best solution can increase the profit per box by how much % |
| a) | 8%  |
| b) | 10%   |
| c) | 12%   |
| d) | 15%   |

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| 6. | Four people have to work for 15 hours to complete a job. They work for 10 hours after which we add an extra person every hour. When does the job get completed?<br>(Ans = 13 hours and 15 minutes) |
| a) | 13 hours   |
| b) | 13 hours 15 minutes  |

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| c) | 13 hours 30 minutes |
| d) | 14 hours            |

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| 7.<br>V. L | Synonym of LUDICROUS |
| a)         | awful                |
| b)         | excessive            |
| c)         | disordered           |
| d)         | ridiculous           |

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| 8. V<br>Med | Synonym of SCUTTLE |
| a)          | rumor              |
| b)          | prevent            |
| c)          | Run hurriedly      |
| d)          | solemn             |

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| 9. V<br>L | Antonym of ECSTACY |
| a)        | anguish            |
| b)        | excessive          |
| c)        | appeal             |
| d)        | amenable           |

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| 10.<br>V, L | Antonym of ANTIDOTE – medicine, poison, anodyne, tablet (Ans = b) |
| a)          | medicine  |
| b)          | poison  |
| c)          | anodyne   |
| d)          | tablet  |

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| 11. | A to E are connected through pipes as follows: A to B, B to C, C to D, D to E, A to E and E to C. Infinite amount of material is available in A. Demand for material at B, C, D and E are 600, 500, , 400 and 700. All demand has to be met. Flow from B to C is 600. Each connection has a capacity of 1000. Flow from A to E is |
| a)  | 100   |
| b)  | 300   |
| c)  | 500   |
| d)  | 1000  |

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| 12. | Same data as in question 11. In addition if all the pipes have a capacity of 1500, unused capacity in pipe A to B is |
| a)  | 100  |
| b)  | 200  |
| c)  | 300  |
| d)  | 500  |

**Quantitative:**

1. A large cube is formed from the material obtained by melting three smaller cubes of 3,4 and 5 cm side. What is the ratio of the total surface areas of the smaller cubes and the large cube.

- a. 3:2
- b. 27:20
- c. 25:18
- d. 2:1

2. Rahul and Raghav invest in a business in the ratio 3 : 2. If 5% of the total revenue goes to charity and Rahul's share is Rs. 855, the total revenue is :

- a. 2000
- b. 1000
- c. 1500
- d. 500

3. Find last digit of  $2^{40}$

- a. 4
- b. 2
- c. 0
- d. 6

**Verbal:**

1. *"I requested that he should be given the driving test today instead of tomorrow."*

One of the parts (A, B, C, D) in the sentence given above contains an ERROR. Which one of the following is INCORRECT?

- a. requested that
- b. should be given
- c. the driving test
- d. Instead of tomorrow

2. *"While receiving the award, the scientist said, "I feel vindicated".*

Which of the following is closest in meaning to the word 'vindicated'?

- a. Punished
- b. Appreciated
- c. Chastened
- d. Acquitted

3. Computers are ubiquitous. They are used to improve efficiency in almost all fields from agriculture to space exploration. Artificial intelligence (AI) is currently a hot topic. AI enables computers to learn, given enough training data. For humans, sitting in front of a computer for long hours can lead to health issues.

Which of the following can be deduced from the above passage?

- (i) Nowadays, computers are present in almost all places.
  - (ii) Computers cannot be used for solving problems in engineering
  - (iii) For humans, there are both positive and negative effects of using computers.
  - (iv) Artificial intelligence can be done without data.
- a. (ii) and (iii)
  - b. (ii) and (iv)
  - c. (i) and (iii)
  - d. (i), (iii) and (iv)

**Business Aptitude:**

1. Most important and the Central activity of a business is known as its -
  - a. Portfolio
  - b. Product Line
  - c. Core Competency
  - d. Nuclear Activity
  
2. The segmentation of markets based on the gender of the customer is a type of -
  - a. Geographic Segmentation
  - b. Demographic Segmentation
  - c. Psychographic Segmentation
  - d. Socio-cultural Segmentation
  
3. Periodical publication addressed largely to the internal public of an organization is called as -
  - a. Information sheets
  - b. Brochures
  - c. House journal
  - d. Posters
  
4. Electrical goods such as TVs, videos, stereo systems etc. used for home entertainment are known as -
  - a. White Goods
  - b. Green Goods
  - c. Brown Goods
  - d. Red Goods

**Logical Reasoning:**

1. Find the number which will come in the place of the question mark in the given series  
4, 6, 9, 14, 21, ?
  - a. 28
  - b. 35
  - c. 32
  - d. 30
  
2. Pick the odd one out from the given list:
  - a. Madurai
  - b. Konark
  - c. Khajuraho
  - d. Ellora
  
3. Statement: A restaurant served 100 customers. 80% of them ordered non-vegetarian dishes.  
Conclusions: I) The restaurant served 20 vegetarian dishes.  
II) Non-vegetarian dishes are more popular among the customers.
  - a. Only conclusion I follows.
  - b. Only conclusion II follows.
  - c. Both I and II follows.
  
4. 'Language' is related to 'Semantics' in the same way as 'Skull' is related to '\_\_\_\_\_'.
  - a. Mycology

- b. Craniology
- c. Conchology
- d. Astrology