

INDIRA UNIVERSITY, PUNE

SCHOOL OF BUSINESS- MBA

Term End Examination (2025 Pattern) December – 2025 - Semester – I

Subject Name: Aptitude Proficiency-I
Subject Code: 25MBA109

Max. Marks: 25
Time: 1:30 Hrs.

Instructions

- All questions are compulsory
- Tick the correct option given below the question

CO #	Cognitive Ability	Course Outcome
CO1	Remember	Define key concepts, formulas, and terminologies related to quantitative aptitude and reasoning ability.
CO2	Understand	Interpret quantitative information and INFER from it.
CO3	Apply	Demonstrate number sense, including dimensional analysis and conversions between fractions, decimals, and percentages.
CO4	Analyse	<i>Examine</i> the validity and <i>detect</i> possible biases in arguments presented in quantitative forms.
CO5	Evaluate	Determine when approximations are appropriate and when exact calculations are necessary.
CO6	Create	Formulate the problem quantitatively and use appropriate arithmetical, and/or statistical methods to SOLVE the problems.

Answer All the Following Questions:**CO1 to CO6**

Q1. A man spends 80% of his income. If his income increases by 25% and his expenditure increases by 20%, what is the percentage increase in his savings?

1. 20%
2. 25%
3. 30%
4. 40%

Q2. If 25% of a number is 60, what is 12% of that number?

1. 28.8
2. 32.5
3. 29
4. 30

Q3. A man bought a watch for ₹800 and sold it for ₹920. What is the profit percentage?

1. 10%
2. 12%
3. 15%
4. 18%

Q4. A trader marks his goods at 20% above the cost price and allows a discount of 10%. What is his gain percentage?

1. 8%
2. 9%
3. 10%
4. 12%

Q5. The ratio of two numbers is 4:5. If the sum of the numbers is 72, what is the smaller number?

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|-------|-------|
| 1. 28 | 2. 30 |
| 3. 32 | 4. 36 |

Q6. If $3A = 2B = 4C$, find the ratio A:B:C.

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|----------|----------|
| 1. 2:3:4 | 2. 4:3:2 |
| 3. 2:3:6 | 4. 6:4:3 |

Q7. A car travels at 60 km/h for 2 hours and 80 km/h for 3 hours. What is its average speed?

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|------------|------------|
| 1. 68 km/h | 2. 70 km/h |
| 3. 72 km/h | 4. 75 km/h |

Q8. A man walks 10 km at 4 km/h and runs 10 km at 10 km/h. What is his average speed for the entire journey?

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|--------------|-----------|
| 1. 5 km/h | 2. 6 km/h |
| 3. 6.66 km/h | 4. 7 km/h |

Q9. A train 150 meters long crosses a pole in 15 seconds. What is its speed in km/h?

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|------------|------------|
| 1. 36 km/h | 2. 45 km/h |
| 3. 54 km/h | 4. 60 km/h |

Q10. A and B can complete a work in 10 days and 15 days respectively. In how many days will they finish it together?

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| 1. 5 | 2. 6 |
| 3. 7 | 4. 8 |

Q11. Six people are sitting in a row. A is to the right of B, but to the left of C. D is to the right of C and E is at the extreme right. Who is sitting in the middle?

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|------|------|
| 1. A | 2. B |
| 3. C | 4. D |

Q12. In a circular seating arrangement, 8 people sit facing the center. If A is between B and C, and D is opposite A, who sits opposite B?

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|------|------|
| 1. C | 2. D |
| 3. E | 4. F |

Q13. Five friends are standing in a line. A is taller than B but shorter than C. D is taller than C but shorter than E. Who is the tallest?

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|------|------|
| 1. A | 2. B |
| 3. C | 4. D |
| 5. E | |

Q14. A puzzle has numbers: 2, 6, 12, 20, ?. What should come next?

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|-------|-------|
| 1. 30 | 2. 32 |
| 3. 36 | 4. 42 |

Q15. In a certain code, CAT = 24 and DOG = 26. What is the value of BAT in the same code?

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| 1. 20 | 2. 22 |
| 3. 23 | 4. 25 |

Q16. Find the missing term: 3, 9, 27, ?, 243

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| 1. 54 | 2. 72 |
| 3. 81 | 4. 108 |

Q17. Find the odd one out: 2, 3, 5, 7, 9, 11

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| 1. 3 | 2. 5 |
| 3. 7 | 4. 9 |

Q18. In a code language, if 'DOG' is written as 'EPI', then 'CAT' is written as?

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| 1. DBU | 2. DCU |
| 3. CBU | 4. EBU |

Q19. If SOUTH is coded as 143, and NORTH as 127, what is coded value of EAST?

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| 1. 89 | 2. 92 |
| 3. 94 | 4. 96 |

Q20. The sum of two numbers is 180, and their ratio is 3:2. What is the smaller number?

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|-------|-------|
| 1. 60 | 2. 70 |
| 3. 72 | 4. 80 |

Q21. A man gains 20% by selling an article for ₹240. What is the cost price?

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|---------|---------|
| 1. ₹180 | 2. ₹190 |
| 3. ₹200 | 4. ₹220 |

Q22. If the price of a commodity increases by 25%, by what percent should consumption be reduced so that expenditure remains the same?

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|--------|--------|
| 1. 15% | 2. 20% |
| 3. 25% | 4. 30% |

Q23. A person travels from A to B at 40 km/h and returns at 60 km/h. What is the average speed for the whole journey?

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|------------|------------|
| 1. 48 km/h | 2. 50 km/h |
| 3. 52 km/h | 4. 54 km/h |

Q24. The ratio of ages of A and B is 3:5. After 8 years, the ratio becomes 5:7. What is A's present age?

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|-------------|-------------|
| 1. 16 years | 2. 18 years |
| 3. 20 years | 4. 24 years |

Q25. If 15% of X is equal to 25% of Y, what is the ratio X:Y?

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|--------|--------|
| 1. 3:5 | 2. 5:3 |
| 3. 2:3 | 4. 4:5 |
