VCRP - 2024

Round 1: Aptitude Test on 14/3/2024 at College Campus

Aptitude Test Guidelines

Aptitude test will be conducted on computer on **14/03/2024 at 10:30 AM** in college campus Sandipani Technical Campus Faculty of Engineering, Nanded Road, Kolpa, Latur.

Exam Pattern:

Exam Paper: Branch wise

Total Marks: 25 (General Aptitude-15, Technical - 10)

Exam Duration: 30 Mins.

Venue: Sandipani Technical Campus Faculty of Engineering, Kolpa, Latur

Note: Kindly bring Receipt, your college ID-Card/any other ID proof

Polytechnic CIVIL Engineering Branch Question Bank

| | Technical Questions: 10 Marks | |
|--------|--|--|
| | Subject: BASIC SURVEYING Question Bank | |
| Any of | the Following 10 Questions will be asked. | |
| 1 | Two contour lines of different elevations unite to form one line only in the | |
| | case of | |
| A | Hills | |
| В | Vertical cliff | |
| C | Horizontal cliff | |
| D | Overhanging Cliff | |
| | | |
| 2 | Contour lines close together indicate slope. | |
| A | Steep | |
| В | Gentle | |
| С | Uniform | |

| D | Undulated |
|---|---|
| 3 | A series of straight parallel and equally spaced contours represent |
| | A. Hills |
| | B. Ponds |
| | C. Plane surface |
| | D. Desert |
| 4 | In how many ways can ranging be carried out? |
| | A. 2 ways |
| | B. 4 ways |
| | C. 6 ways |
| | D. 8 ways |
| 5 | Chain surveying uses the principle of? |
| | A. Chaining |
| | B. Ranging |
| | C. Triangulation |
| | D. Traversing |
| 6 | The process of a location of intermediate points on a survey line? |
| U | Offsetting |
| | Ranging |
| | Aligning |
| | Extending |
| 7 | The book in which chain measurements are entered is called? |
| / | A. Chain book |
| | B. Study book |
| | C. Record book |
| | D. Field book |
| | |
| 8 | Survey stations may be marked on the ground using a ? |
| | A. Peg |
| | B. Pointer |
| | C. Rod |
| | D. Pole |
| | |
| | |

| 9 | The biggest of the survey line is? |
|-----|---|
| | E. Main survey line |
| | F. First line |
| | G. Tie line |
| | H. Base line |
| 10 | |
| 10 | What is the shape of contour lines in case of a valley? |
| | A. U shape |
| | B. V shape |
| | C. W shape |
| | D. O shape |
| 11 | The direction of a line relative to a given meridian is called: |
| | A. Bearing |
| | B. Declination |
| | C. Angle |
| | D. Dip |
| 12 | What is the name of the setting out the work on the ground? |
| 12 | A. Location survey |
| | B. Preliminary survey |
| | C. Topographical survey |
| | D. Engineering survey |
| | D. Digineering burvey |
| 13 | What is the work carried to fix national and state boundaries? |
| | A. Contouring |
| | B. Levelling |
| | C. Work from whole to part |
| | D. Surveying |
| 14 | What is the lateral surface distance measured from the chain to object? |
| | A. Off set |
| | B. Long off set |
| | C. Short off set |
| | D. Oblique off set |
| 1.5 | II |
| 15 | How many types of a compass are used in surveying? |
| | A. 4 |
| | B. 2 |
| | C. 3 |
| | D. 5 |

| A. Primary B. First C. Fore D. Front | | |
|---|----|---|
| A. Primary B. First C. Fore D. Front In a reduced bearing system, bearing is measured from: A. Nearest one (North or South) B. South C. West D. North 18 The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representative factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) × 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | 16 | bearing is measured in the direction of survey |
| B. First C. Fore D. Front In a reduced bearing system, bearing is measured from: A. Nearest one (North or South) B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 11 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) × 90° (c) (20+4) × 90° (d) 360° 20 Which among the following is the back bearing of N30°E? | | |
| D. Front In a reduced bearing system, bearing is measured from: A. Nearest one (North or South) B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 1'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 20 Which among the following is the back bearing of N30°E? | | |
| In a reduced bearing system, bearing is measured from: A. Nearest one (North or South) B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None The check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 1'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) × 90° (d) 360° Which among the following is the back bearing of N30°E? | | C. Fore |
| A. Nearest one (North or South) B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | D. Front |
| A. Nearest one (North or South) B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| B. South C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representative factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | 17 | In a reduced bearing system, bearing is measured from: |
| C. West D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representative factor C. Reciprocating factor D. Recurring factor 1'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | A. Nearest one (North or South) |
| D. North The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | B. South |
| 18 The purpose of a the line is A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representative factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | C. West |
| A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | D. North |
| A. To check accuracy of their work B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | 18 | The purpose of a the line is |
| B. To locate interior details C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | 10 | |
| C. Both A and B D. None 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | · |
| 19 Check line is also called an A. Tie line B. Main line C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | | |
| A. Tie line B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | | |
| B. Main line C. subsidiary line D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | 19 | Check line is also called an |
| C. subsidiary line D. Proof line 20 The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | A. Tie line |
| D. Proof line The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 1 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | B. Main line |
| The ratio of map distance to corresponding ground distance is called as? A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (b) (2n+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | | C. subsidiary line |
| A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | | D. Proof line |
| A. Representative factor B. Representation factor C. Reciprocating factor D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° Which among the following is the back bearing of N30°E? | 20 | The ratio of map distance to corresponding ground distance is called as? |
| B. Representation factor C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| C. Reciprocating factor D. Recurring factor 21 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| D. Recurring factor 'n' is the number of sides of a traverse, while theodolite traversing the sum of the interior included angles should be (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | • |
| of the interior included angles should be (a) $(2n-4) \times 90^{\circ}$ (c) $(20+4) \times 90^{\circ}$ (b) $(2n+4) \times 90^{\circ}$ (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| of the interior included angles should be (a) $(2n-4) \times 90^{\circ}$ (c) $(20+4) \times 90^{\circ}$ (b) $(2n+4) \times 90^{\circ}$ (d) 360° 22 Which among the following is the back bearing of N30°E? | 21 | 'n' is the number of sides of a traverse, while theodolite traversing the sum |
| (a) (2n-4) × 90° (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | 21 | |
| (c) (20+4) x 90° (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| (b) (2n+4) x 90° (d) 360° 22 Which among the following is the back bearing of N30°E? | | |
| (d) 360° Which among the following is the back bearing of N30°E? | | |
| Which among the following is the back bearing of N30°E? | | |
| | | |
| | 22 | Which among the following is the back bearing of N30°E? |
| | | |
| (c) \$150° W | | (c) \$150° W |

| | (b) N 150 E |
|----|---|
| | (d) S 30° W |
| | |
| 23 | The fore and back bearing of a line differ exactly by |
| | (a) 360° |
| | (b) 90 |
| | (c) 180° |
| | (d) 45° . |
| | |
| 24 | If the whole circle bearing of a line is 180" then its reduced bearing is |
| | (a) NOW |
| | (c) S |
| | (b) S o w |
| | (d) N |
| | |
| 25 | The horizontal angle between the true meridian and the magnetic meridian |
| | is |
| | (a) True bearing |
| | (b) Dip |
| | (c) Magnetic inclination |
| | (d) Magnetic declination |
| | |
| | |

Aptitude Test Question Bank

| | Aptitude Questions: 15 Marks |
|--------|---|
| Any of | the Following 15 Questions will be asked. |
| Q1 | Which number should come next in the series, 48, 24, 12,? |
| | A. 8 |
| | B. 6 |
| | C. 4 |
| | D. 2 |
| Q2 | If 9 th of the month falls on the day preceding Sunday, then on what day will 1 st of the month fall? |

| | A. Friday |
|----|---|
| | B. Saturday |
| | C. Sunday |
| | D. Monday |
| Q3 | Find the remainder when 6799 is divided by 7. |
| 20 | A. 4 |
| | B. 6 |
| | C. 1 |
| | D. 2 |
| Q4 | The cost of setting up a magazine is Rs. 2800. The cost of paper |
| | and ink etc is Rs. 80 per 100 copies and printing cost is Rs. 160 |
| | per 100 copies. In last month 2000 copies were printed but only |
| | 1500 copies could be sold at Rs. 5 each. Total 25% profit on the |
| | sale price was realized. There is one more resource of income |
| | from magazine which is advertising. What sum of money |
| | obtained from the advertising in magazine? |
| | A. 1750 |
| | B. 2350 |
| | C. 1150 |
| | D. 1975 |
| Q5 | Avinash covers a distance of 8km in 50 minutes. If he covers |
| | 3km distance in 2/5th of time then, What speed should he |
| | maintain to cover the remaining distance in the remaining time? |
| | A. 13 kmph |
| | B. 15 kmph |
| | C. 14 kmph |
| | D. 11 kmph |
| Q6 | Find the odd man out? |
| | 396, 462, 572, 427, 671, 264. |
| | A. 427 |
| | B. 671 |
| | C. 462 |

| | D. 264 |
|------------|--|
| Q7 | If in a certain language, NOIDA is coded as OPJEB, how is |
| | DELHI coded in that language? |
| | A. CDKGH |
| | B. EFMIJ |
| | C. FGNJK |
| | D. IHLED |
| Q8 | Odometer is to mileage as compass is to |
| | A. speed |
| | B. hiking |
| | C. needle |
| | D. direction |
| Q 9 | Window is to pane as book is to |
| | A. page |
| | B. novel |
| | C. glass |
| | D. cover |
| Q10 | Reptile is to lizard as flower is to |
| | A. petal |
| | B. stem |
| | C. daisy |
| | D. alligator |
| Q11 | Tanya is older than Eric. |
| | Cliff is older than Tanya. |
| | Eric is older than Cliff. |
| | If the first two statements are true, the third statement is |
| | A. true |
| | B. false |
| | C. uncertain |
| 012 | D. none |
| Q12 | Find the number of triangles in the given figure. |
| | |

| | A. 8 |
|-----|---|
| | B. 10 |
| | C. 12 |
| | D. 14 |
| Q13 | Find the number of triangles in the given figure. |
| | |
| | |
| | |
| | A. 18 |
| | B. 20 |
| | C. 24 |
| | D. 27 |
| Q14 | What is the number of triangles that can be formed whose |
| | vertices are the vertices of an octagon but have only one side |
| | common with that of octagon? |
| | A. 64 |
| | B. 32 |
| | C. 24 |
| | D. 16 |
| Q15 | Even if it rains I shall come means |
| | A. if I come it will not rain |
| | B. if it rains I shall not come |
| | C. I will certainly come whether it rains or not |
| | D. whenever there is rain I shall come |
| Q16 | I felt somewhat more relaxed |
| | A. but tense as compared to earlier |
| | B. and tense as compared to earlier |
| | C. as there was already no tension at all |
| | D. and tension-free as compared to earlier |
| | E. because the worry had already captured by mind |
| Q17 | "The food in this hotel is no match to what were forced at late |
| | hours in Hotel Kohinoor " means |
| | A. The food in this hotel is quite good compared to what we |
| | ate at kohinoor |
| | B. Hotel kohinoor served us good quality food than what we |
| | get here |

| | - |
|-----|--|
| | C. Both hotels have maintained good quality of food |
| | D. Both hotels serve poor quality of food |
| | E. it is better to eat food than remain hungry |
| Q18 | The cost price of 20 articles is the same as the selling price of x |
| | articles. If the profit is 25%, then the value of x is: |
| | A. 16 |
| | B. 15 |
| | C. 18 |
| | D. 25 |
| Q19 | In a certain store, the profit is 320% of the cost. If the cost |
| | increases by 25% but the selling price remains constant, |
| | approximately what percentage of the selling price is the profit? |
| | A. 30% |
| | B. 70% |
| | C. 100% |
| | D. 250% |
| Q20 | A vendor bought toffees at 6 for a rupee. How many for a rupee |
| | must he sell to gain 20%? |
| | A. 3 |
| | B. 4 |
| | C. 5 |
| | D. 6 |
| Q21 | A sum of money is to be distributed among A, B, C, D in the |
| | proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is |
| | B's share? |
| | A. Rs. 500 |
| | B. Rs. 1500 |
| | C. Rs. 2000 |
| | D. None of these |
| Q22 | Catching the earlier train will give us the to do some |
| | shopping. |
| | A. chance |
| | B. luck |
| | C. possibility |
| | |

| | D. occasion |
|-----|--|
| Q23 | The grapes are now enough to be picked. |
| | A. ready |
| | B. ripe |
| | C. mature |
| | D. advanced |
| Q24 | Success in this examination depends hard work alone. |
| | A. at |
| | B. over |
| | C. for |
| | D. on |
| Q25 | If you smuggle goods into the country, they may be by the |
| | customs authority. |
| | A. confiscated |
| | B. possessed |
| | C. punished |
| | D. fined |
| Q26 | Peter is twice as good as workman as Tom. When they work |
| | together they can finish a task in 16 days. If Tom works alone, in |
| | many days he will complete the task? A. 46 days |
| | |
| | B. 48 days |
| | C. 50 days |
| | D. 52 days |
| Q27 | A man purchases a TV for Rs. 8000 and sells it at 10% loss. |
| | What is the selling price of T.V? |
| | A. Rs.7200 |
| | B. Rs.7000 |
| | C. Rs.6900 |
| | D. Rs.6500 |

| Q28 | Sohan has borrowed Rs. 5000 at the rate of 6% S.I. what amount |
|-----|--|
| | he needs to pay after 3 years to clear the debt? |
| | A. Rs. 5500 |
| | B. Rs. 5900 |
| | C. Rs. 6100 |
| | D. Rs. 6300 |
| Q29 | Find the HCF of 210, 385, and 735. |
| | A. 7 |
| | B. 14 |
| | C. 21 |
| | D. 35 |
| Q30 | Find the missing letters in the series, GAH, IBJ, KCL, MDN, |
| | A. OEG |
| | B. OEP |
| | C. OEB |
| | D. OEA |
| Q31 | Which letter should come next in the series F,G,H,J,K,L,M,N,P,_? |
| | A. Q |
| | B. R |
| | C. T |
| | D. O |
| Q32 | Synonyms of Fake |
| | A. Imitation |
| | B. Fair |
| | C. Flair |

| | D. Fact |
|------------|--|
| Q33 | Antonym of Extend |
| | A. Condense |
| | B. Expand |
| | C. Congestion |
| | D. Convert |
| Q34 | Rohan and Rohit are twin brothers, but they do not look |
| | A. unique |
| | B. different |
| | C. likely |
| | D. alike |
| Q35 | n the first 10 overs of a cricket game, the run rate was only 3.2. |
| | What should be the run rate in the remaining 40 overs to reach the |
| | target of 282 runs? |
| | A. 6.25 |
| | B. 6.5 |
| | C. 6.75 D. 7 |
| Q36 | A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and |
| Q 3 | Rs. 6562 for 5 consecutive months. How much sale must he have |
| | in the sixth month so that he gets an average sale of Rs. 6500? |
| | A. Rs. 4991 |
| | B. Rs. 5991 |
| | C. Rs. 6001 |
| | D. Rs. 6991 |
| Q37 | The average of 20 numbers is zero. Of them, at the most, how |
| | many may be greater than zero? |
| | $\begin{bmatrix} 0 \\ 1 \end{bmatrix}$ |
| | $\begin{bmatrix} 1 \\ 10 \end{bmatrix}$ |
| | |
| Q38 | The average weight of 8 person's increases by 2.5 kg when a new |
| Q30 | person comes in place of one of them weighing 65 kg. What |
| | person comes in place of one of mem weighing os kg. what |

| | might be the weight of the new person? |
|-----|--|
| | A. 76 kg |
| | B. 76.5 kg |
| | C. 85 kg |
| | D. Data inadequate |
| | E. None of these |
| Q39 | Mr. Thomas invested an amount of Rs. 13,900 divided in two |
| | different schemes A and B at the simple interest rate of 14% p.a. |
| | and 11% p.a. respectively. If the total amount of simple interest |
| | earned in 2 years be Rs. 3508, what was the amount invested in |
| | Scheme B? |
| | A. Rs. 6400 |
| | B. Rs. 6500 |
| | C. Rs. 7200 |
| | D. Rs. 7500 |
| | E. None of these |
| Q40 | How much time will it take for an amount of Rs. 450 to yield Rs. |
| | 81 as interest at 4.5% per annum of simple interest? |
| | A. 3.5 years |
| | B. 4 years |
| | C. 4.5 years |
| 041 | D. 5 years |
| Q41 | Reena took a loan of Rs. 1200 with simple interest for as many |
| | years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest? |
| | A. 3.6 |
| | B. 18 |
| | C. 6 |
| | D. Cannot be determined |
| | E. None of these |
| Q42 | From a group of 7 men and 6 women, five persons are to be |
| | selected to form a committee so that at least 3 men are there on |
| | the committee. In how many ways can it be done? |
| | A. 564 |
| | B. 645 |

| | C. 735 |
|-----|--|
| | D. 756 |
| | E. None of these |
| Q43 | In how many ways can the letters of the word 'LEADER' be |
| | arranged? |
| | A. 72 |
| | B. 144 |
| | C. 720 |
| | D. 360 |
| | E. None of these |
| Q44 | If $\log 2 = 0.3010$ and $\log 3 = 0.4771$, the value of $\log 5 512$ is: |
| | A. 2.870 |
| | B. 2.967 |
| | C. 3.876 |
| | D. 3.912 |
| Q45 | Find the odd man out |
| | 8, 27, 64, 100, 125, 216, 343 |
| | A. 27 |
| | B. 100 |
| | C. 125 |
| | D. 343 |
| _ | |