

SBI CLERK PRELIMS (PREVIOUS YEAR) MEMORY BASED PAPER

ENGLISH LANGUAGE

DIRECTIONS (1-5): Read the following passage carefully and answer the questions given below it.

When Hurricane Harvey loomed off the coast of my home state of Texas, it seemed to fill the entire Gulf of Mexico. When it roared on land, it pummeled the towns of Rockport and Port Aransas, whose tawny beaches I've walked with my kids, pointing out the indigo sails of Portuguese man o' war jellyfish. Harvey's eye took direct aim at the University of Texas' Marine Science Institute, flattening not just the facility itself, but priceless samples awaiting analysis. After Harvey left Port Aransas, it spun back into the Gulf of Mexico over record sea temperatures as great as 4 degrees Fahrenheit above normal. Thermodynamic laws require that warmer air holds more water vapor. The heat armed the storm with a mighty arsenal of water vapor. Then Harvey returned to land, dumping a catastrophic amount of rain on Houston. My Facebook feed filled with pleas for rescue from the rising waters. Friends' houses flooded - houses that had always been on dry land before. A chemical plant blew up, twice. Toxic chemicals oozed from Superfund sites. Dozens died in the deluge, mostly by drowning. And all the while, alongside the heartbreak and horror, I kept thinking about a strange harbinger: jellyfish. Play Video Diaphanous in form yet menacing in sting, jellyfish have a powerful capacity to capture our imagination. They undulate in a primal rhythm, blinking open and closed like eyes that can peer into the soul of the sea. And what they are seeing are changes produced by us here on land. Because we burn fossil fuels, which release greenhouse gasses, not just the atmosphere but ocean waters are warming. At the same time, our ship traffic transports animals to new places, and sometimes these exotics find home-like conditions where in the past those conditions would have been unsuitable. That's what happened in the eastern Mediterranean, where a jellyfish from the tropical Indian Ocean has found warm, homey waters and now forms huge aggregations called blooms that stretch for tens of miles every summer. The fierce stings of these animals chase beach-goers out of the water. Their gooey bodies clog machinery at power plants, halting operations. Rampant coastal development provides new habitat for a jellyfish stage called a polyp that looks like a sea anemone. When it finds a hard surface like a dock or a jetty to grow on, a single polyp can proliferate into a dozen or even more medusae. And fields of polyps grow on those hard structures. That's likely what happened off the coast of Italy, where gas platforms are thought to be the home for a new invasion of jellyfish. In the twentieth century in the Adriatic Sea, moon jellies, pinkish with their characteristic four-leafed clover on top, were a rarity. Now they are ubiquitous. And as we wash pollution into our waters, we create low-oxygen environments. Some jellyfish, with their low metabolic rate due to their a-cellular jelly insides, can survive more easily there than fish, with their oxygen-guzzling muscled tissues. That is part of what happened in the Yellow Sea, where pollution is unchecked. It is the birthplace of a maroon jellyfish that reaches a weight of 500 pounds. Blooms of the creature were a once-a-generation event before 2000 — the kind of thing fishermen mentioned to their sons. But jellyzillas swept from China in the Tsushima Current, have plagued Japan's coast almost every year of the 21st century. In 2009, a fishing boat caught so many that their weight capsized the vessel. (Fortunately, the crewmembers were rescued.) And our lack of oversight of the fishing industry, which has removed more than 90% of the large fish from the seas, has depleted the predators of jellyfish as well as their competitors. Jellyfish are eaten by

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some fish, and jellyfish eat the same small zooplankton that fish do. The ecological vacuum left by unrestrained fishing can allow jellyfish to expand their influence in marine ecosystems. That's what happened off the coast of Namibia, once one of the world.

- Q1. How is jellyfish able to survive in polluted water more than the other fishes?
 (I) Jellyfish has oxygen guzzling muscled tissues.
 (II) Due to low metabolic rate.
 (III) Jellyfish eat small zooplankton to survive.
 (a) Only (I) (b) Only (II)
 (c) Both (I) and (II) (d) Both (II) and (III)
 (e) All are correct
- Q2. How Hurricane Harvey can be termed as devastating with reference to the passage?
 (a) Many people died by drowning.
 (b) Hurricane blew up the Chemical plants.
 (c) Toxic chemicals got exuded from superfund sites.
 (d) Hurricane flooded many houses
 (e) All of the above
- Q3. What is the author's main idea regarding the passage?
 (a) How to ameliorate ecological imbalance.
 (b) The author gave his opinion regarding jellyfish that what they know humans don't.
 (c) Water pollution creating a low oxygen environment affecting aquatic life.
 (d) Hurricane Harvey destroyed many lives.
 (e) Endangered condition of Jellyfish
- Q4. Which of the following statement (s) is/ are true in context of the given passage?
 (a) Maroon Jellyfish is found in Yellow sea where pollution is unchecked.
 (b) Hurricane Harvey with strong winds battered the entire Gulf of Mexico.
 (c) Jellyzillas sweeping from China have afflicted Japan's coast.
 (d) Jellyfish survive more than other fishes in low oxygen environment
 (e) All of the above
- Q5. Which of the following statement regarding jellyfish is related to the country Namibia?
 (a) The attenuation in the number of jellyfish is due to the low oxygen environment.
 (b) The predators of Jellyfish are depleting because of uncontrolled fishing.
 (c) Jellyfish can proliferate their population in the situation of ecological imbalance.
 (d) Both (b) and (c)
 (e) All are correct

DIRECTIONS (6-11): In each of the questions given below a sentence is given with one blank. Below each sentence FOUR words are given out of which two can fit the sentence. Five options are given with various combinations of these words. You have to choose the combination with the correct set of words which can fit in the given sentence.

- Q6. Would you like to have _____ coffee?
 (A) much (B) more
 (C) some (D) many
 (a) A-B (b) A-D (c) B-C
 (d) C-D (e) A-C

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- Q7. The Dysart Unified School District says they are investigating threats made _____ the district and Dysart High School.
- (A) Towards (B) Against
(C) For (D) After
(a) A-B (b) A-D
(c) B-C (d) C-D (e) A-C
- Q8. I was going _____ to say hello when I realised that I couldn't remember his name.
- (A) beyond (B) Over
(C) Through (D) Across
(a) A-B (b) A-D
(c) B-C (d) C-D (e) B-D
- Q9. In 1997 the sales tax was lowered to 4%, then in 2001 it was abolished _____.
- (A) Together (B) Laterally
(C) Completely (D) Altogether
(a) A-B (b) A-D
(c) B-C (d) C-D (e) B-D
- Q10. Children _____ their parents' authority far more now a days than they did in the past.
- (A) Dispute (B) Question
(C) Confront (D) Challeng
(a) A-B (b) A-D
(c) B-C (d) C-D (e) B-D
- Q11. The United Nations has _____ its authority to restore peace in the area.
- (A) Used (B) blown
(C) Exercised (D) refused
(a) A-C (b) A-D
(c) B-C (d) C-D (e) B-D

DIRECTIONS (12-20): In each of the question given below a/an idiom/phrase is given in bold which is then followed by five options which then tries to decipher its meaning as used in the sentence. Choose the option which gives the meaning of the phrase most appropriately in context of the given sentence.

- Q12. She comes across really well on television.
- (a) Discover (b) Express
(c) Behave (d) Offers (e) Provide
- Q13. The deal was completely open and above board
- (a) Mislead (b) Profitable
(c) Dupe (d) Respect (e) Honest
- Q14. For most businessmen, the central questions will turn on taxation.
- (a) Matter (b) Consider
(c) Attack (d) Concern (e) Unsettle

- Q15. They sought a controlling interest rather than a takeover
 (a) Spend (b) Partnership (c) Endorse (d) Approve (e) Buyout
- Q16. I think he was just putting on an act to get sympathy
 (a) Tolerate (b) Assume (c) Perform (d) Deceive (e) Effect
- Q17. I can put up with the house being messy, but I hate it if it's not clean
 (a) Ignore (b) Forget (c) Delay (d) Remain (e) Bear
- Q18. He gave in to my suggestion after I had shown him the plans.
 (a) Leave (b) Defeated (c) Defy (d) Agree (e) Resign
- Q19. She cut in on a station wagon, forcing the driver to brake.
 (a) Interrupt (b) Stop (c) Collide (d) Too close (e) Carve
- Q20. Most patients find that the numbness from the injection wears off after about an hour.
 (a) calm (b) Inflate (c) Deepen (d) Fade (e) Emerge

DIRECTION (21-30): In each of the questions given below a sentence is given which is then divided into five parts out of which last part is correct. There is an error in three part of the sentence and only one part is correct. You have to choose the part as your answer.

- Q21. After he had read (A)/ the first two chapters (B)/ to the novel, (C)/ he had felt like (D)/reading the book in one sitting. (E)
 (a) After he had read (b) the first two chapters (c) to the novel (d) he had felt like (e) All are incorrect
- Q22. Since most of the urban people (A) / have been lived (B)/ at polluted areas (C) / they suffers from severe (D) / diseases caused by pollution. (E)
 (a) Since most of the urban people (b) have been lived (c) at polluted areas (d) they suffers from severe (e) All are incorrect
- Q23. Broadly speaking of a (A)/ layman language disability (B)/ could be (C) / classified in two groups (D) / namely mental and physical. (E)
 (a) Broadly speaking of a (b) layman language disability (c) could be (d) classified in two groups (e) All are incorrect
- Q24. Although there are some (A)/ similarities at the qualification (B)/ of both the candidate (C)/ the differences among them (D)/ are considerably pronounced. (E)
 (a) Although there are some (b) similarities at the qualification (c) of both the candidate (d) the differences among them (e) All are incorrect

- Q25. When the group of teenagers (A)/ visits the entertainment centre (B)/ little did they know (C)/ that its outing (D)/ would lead them to a hospital. (E)
- (a) When the group of teenagers (b) visits the entertainment centre
(c) little did they know (d) that its outing
(e) All are incorrect
- Q26. If the present guidelines, (A)/ the bank are required (B)/ to obtain a photograph (C)/ from any persons (D)/ who wish to open an account. (E)
- (a) If the present guidelines (b) the bank are required
(c) the bank are required (d) the bank are required (e) All are incorrect
- Q27. Although the clock struck twelve, (a)/ we hear the big bang of (B)/ the fire crackers and saw (C)/ all the guests scream, (D)/ shouting and wishing each other with joy. (E)
- (a) Although the clock struck twelve (b) we hear the big bang of
(c) the fire crackers and saw (d) all the guests scream (e) All are incorrect
- Q28. The Rupali wanted (A)/ to get (B)/ the clear picture about (C)/ the incident so she spoke (D)/ to the victims. (E)
- (a) The Rupali wanted (b) to get
(c) the clear picture about (d) the incident so she spoke (e) All are incorrect
- Q29. The centre has accepted (A)/ the report of the judicial commission (B)/ that indicted a former chief minister (C)/ and six of his ministerial colleagues for corruption. (D)/ favouritism, nepotism and administrative impropriety. (E)
- (a) The centre has accepted
(b) the report of the judicial commission
(c) that indicted a former chief minister
(d) and six of his ministerial colleagues for corruption
(e) All are incorrect
- Q30. Before investing, (A)/ you should look at the (B)/ overall business dynamics for the company (C)/ along with its efficient management and (D)/ good corporate governance (E)
- (a) Before investing
(b) you should look at the
(c) overall business dynamics for the company
(d) along with its efficient management and
(e) All are incorrect

QUANTITATIVE APTITUDE

- Q 31. Ratio of speed of boat in down stream and speed of stream is 9:1, if speed of current is 3 km per hr, then find distance travelled (in km) upstream in 5 hours.
- (a) 105 (b) 110
(c) 120 (d) 90 (e) 95
- Q32. Sum of 4 consecutive even numbers are greater than three consecutive odd numbers by 81. If sum of least odd and even number is 59, then find the sum of largest odd and even numbers.
- (a) 69 (b) 71
(c) 73 (d) 67 (e) None of these

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- Q 33. Two different amounts are invested in two schemes. In scheme A, amount X is invested at 8 % per annum and in scheme B amount (X+1400) is invested at 12% per annum. After 2 years difference between both interests is 880, then find value of X?
- (a) 7200 (b) 5500
(c) 6800 (d) 7300 (e) None of these

DIRECTIONS (34-38): Given below is the table that shows the number of books sold from five stores on five days. Study the table carefully to answer the question.

Stores	Sunday	Monday	Tuesday	Wednesday	Thursday
A	77	80	49	93	58
B	89	57	55	85	54
C	56	36	82	90	40
D	68	74	78	70	95
E	82	65	90	86	84

- Q34. What is the ratio of total number of books sold from store D on Sunday, Monday and Tuesday together to that sold from store E on Tuesday, Wednesday and Thursday together.
- (a) 13 : 11 (b) 11 : 15
(c) 11 : 13 (d) 13 : 15 (e) 11 : 17
- Q35. Number of books sold on Friday from stores C and D increased by 15% and 20% respectively as compared to that sold on previous day. What number of books the stores C & D sold on Friday?
- (a) 162 (b) 158
(c) 150 (d) 160 (e) 168
- Q36. Total numbers of books sold from store B on Tuesday and Wednesday together are what percent more or less than total books sold from stores C & D together on Monday?
- (a) $27\frac{3}{13}\%$ (b) $27\frac{3}{11}\%$
(c) $25\frac{2}{11}\%$ (d) $24\frac{3}{11}\%$ (e) None of these
- Q 37. What is the average number of books sold from stores B on Sunday, C on Tuesday and E on Thursday ?
- (a) 82 (b) 80
(c) 88 (d) 75 (e) 85
- Q 38. Find the difference in total number of books sold from stores C and E together on Tuesday and From store B on Monday and Thursday together?
- (a) 61 (b) 65
(c) 59 (d) 60 (e) 63

DIRECTIONS (39-43): What should come in place of the question mark(?) in following no. series?

- Q39. 255, 230, 250, 235, 245, ?
- (a) 245 (b) 240
(c) 225 (d) 260 (e) 265

Q 40. 5, 3.5, 5, ?, 21.5, 56.75

- (a) 7.5 (b) 8.5
(c) 9.5 (d) 10.5 (e) 9

Q 41. 8, 4, 4, 8, 32, ?

- (a) 512 (b) 128
(c) 248 (d) 256 (e) 232

Q 42. 129, 128, 124, 115, ?, 74

- (a) 99 (b) 98
(c) 101 (d) 97 (e) 103

Q 43. 0.5, 1.5, 5, 18, 76, ?

- (a) 380 (b) 385
(c) 390 (d) 375 (e) 395

Q44. Average age of A and B, 2 years ago was 26. If age of A 5 years hence is 40 years, and B is 5 year younger to C, then find difference between age of A and C?

- (a) 8 (b) 10
(c) 9 (d) 12 (e) None of these

Q 45. Average of X, Y, Z is 24, X:Y = 2:3, X+Y = 60, then find X-Z=?

- (a) 16 (b) 14
(c) 8 (d) 10 (e) 12

Q46. Cost price of two articles is same, trade man got profit of 40% on first article, selling price of second article is 25% less than first article, then find overall profit percent.

- (a) 23% (b) 12 ½%
(c) 25% (d) 22 ½% (e) None of these

Q47. Length of rectangle is 80% of diagonal of square of area 1225, then find area of rectangle if it's perimeter is $94\sqrt{2}$.

- (a) 1016 (b) 500
(c) 1604 (d) 1064 (e) 625

Q 48. Annual salary of Arun is 7.68 lac. In a month if he spends 12000 on his children, 1/13th of rest on food and 8000 in mutual funds from his monthly salary, then find the monthly saving he is left with.

- (a) 40,000 (b) 45,000
(c) 50,000 (d) 36,000 (e) None of these

DIRECTIONS (49-63): What should come in place question mark (?) following simplification problems?

Q 49. $40\% \text{ of } \left(\frac{20}{4} \times ?\right) = 48$

- (a) 20 (b) 24
(c) 28 (d) 32 (e) 22

Q 50. $(2.5 + 1.5)(3.5 + 1.5) = ?$

- (a) 15 (b) 30
(c) 20 (d) 24 (e) 20.5

- Q 51. $40 \times 64 \div 80 = ?^2 + 7$
 (a) 5 (b) 6 (c) 7 (d) 4 (e) 2
- Q 52. 25% of $16 \times (15 - ?)^3 = 256$
 (a) 15 (b) 13 (c) 9 (d) 11 (e) 7
- Q 53. $90 = 15\% \text{ of } 1000 \times 3\% \text{ of } \left(\frac{100}{?}\right)$
 (a) 4 (b) 5 (c) 7 (d) 9 (e) 3
- Q 54. $? + 7^2 = (7 \times 4) + (43 \times 5)$
 (a) 192 (b) 194 (c) 196 (d) 198 (e) 200
- Q 55. $3\frac{1}{3} - ? \times \frac{3^2}{2^2} = 2\frac{5}{6}$
 (a) $\frac{2}{3}$ (b) $\frac{2}{9}$ (c) $\frac{4}{9}$ (d) $\frac{9}{4}$ (e) $\frac{7}{9}$
- Q56. 40% of $(102 \div 17) \times ? = 2^3 \times 6$
 (a) 20 (b) 22 (c) 25 (d) 30 (e) 15
- Q57. $? - 2^3 = (7^2 - 12) + (10^2 - 17)$
 (a) 132 (b) 126 (c) 124 (d) 128 (e) 130
- Q58. 400% of $? = (13 \times 15) - (891 \div 9)$
 (a) 20 (b) 24 (c) 22 (d) 28 (e) 18
- Q59. $8^2 \times 8^2 = 2^2 \times 2^6 \times 2^4$
 (a) 1 (b) 3 (c) 2 (d) 0 (e) 4
- Q60. 20% of $(2^2 \times 3^2) - 2 = ?$
 (a) 2.5 (b) 5.2 (c) 5.4 (d) 5.6 (e) 6.2
- Q61. 20% of $\frac{1}{5}$ of 2250 = 50 + ?
 (a) 55 (b) 90 (c) 50 (d) 40 (e) 45
- Q62. $986 - 432 + 116 = ? + (13)^2$
 (a) 501 (b) 505 (c) 401 (d) 451 (e) None of these
- Q63. 14.2% of 11000 + 15.6% of ? = 3590
 (a) 12000 (b) 13000 (c) 14560 (d) 12250 (e) 13500

- Q64. A can do a work in 24 days, B is 20% more efficient than A, if C can do the work in 10 more days than B, find days taken by A and C together to complete the work.
- (a) $\frac{20}{3}$ day (b) $\frac{44}{3}$ days
(c) $\frac{40}{3}$ days (d) 6 days (e) None of these
- Q65. The ratio of Milk to water is 5:4, if two litres of water is added, ratio becomes 10:9, then find new amount of water in the mixture
- (a) 14 L (b) 16 L
(c) 18 L (d) 20 L (e) 22 L

LOGICAL REASONING

DIRECTIONS (66-70): Study the following information carefully and answer the questions given below: There are eight persons namely S, T, U, V, W, X, Y and Z lives on eight different floors from one to eight. Ground floor is number 1 and top floor is number eight but not necessarily in the same order. X lives on odd number floor but does not live on 3rd floor. Z lives immediate below X. More than two person lives between Z and Y. There are six person lives between S and Y. V lives immediate above W but live below T. U does not live above X. W does not live immediate above Y.

- Q66. Who lives on floor number five?
- (a) U (b) S
(c) Z (d) T (e) None of these
- Q67. How many persons live between W and X?
- (a) One (b) Three
(c) Five (d) Two (e) None of these
- Q68. Who lives immediate above V?
- (a) Z (b) T
(c) Y (d) W (e) None of these
- Q69. Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?
- (a) Y (b) V
(c) T (d) X (e) W
- Q70. Who lives on 2nd floor?
- (a) X (b) S
(c) U (d) Z (e) None of these

DIRECTIONS (71-73): In each of the questions below are given three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.

Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Give Answer-

- (a) If only Conclusions I follows
(b) If only Conclusions II follows

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- (c) If either Conclusions I or Conclusion II follows
- (d) If neither Conclusion I nor Conclusion II follows
- (e) If both Conclusion I and II follows

Q71. Statement-

Some Dares are Dream.
All Dreams are Real
No Real is Fake.

Conclusion:-

- I. Some Dreams are Fake.
- II. All dream is not fake.

Q72. Statement-

No Rain is Game.
Some Games are Chain.
No Chain is Lane.

Conclusions:

- I. Some Chains are not Rain.
- II. Some Games are Lane.

Q73. Statement-

Some Movie are Ticket.
No Ticket is Popcorn.
Some Popcorn is Burger.

Conclusions:

- I. Some Movies are Burger.
- II. Some Burgers are not Movie.

DIRECTIONS (74-78): Study the following information carefully and answer the questions given below: Eight friends A, B, C, D, P, Q, R and S are sitting in a straight line (but not necessarily in the same order). Some of them are facing south while some are facing north. (Note: Facing the same direction means. If one is facing north then the other also faces north and vice versa. Facing opposite directions means. If one is facing North then the other faces south and Vice versa).

Q sits at one of the extreme ends of the line. C sits third to the left of Q. B, is not an immediate neighbour of Q. P, sits third to the right of C. A faces north. D sits to the immediate right of P. D does not sits at any of the extreme end of the line. Only one person sits between R and B. P sits second to the left of R. S sits second to the right of D. Both the immediate neighbour of P faces the same direction to each other. Both the immediate neighbour of C faces the opposite direction to each other. S faces the same direction as D and A faces the same direction as R.

Q74. How many persons sits between D and A?

- (a) One
- (b) None
- (c) Three
- (d) Two
- (e) None of these

Q75. Who among the following pair sits at extreme ends ?

- (a) S, Q
- (b) D, Q
- (c) Q, R
- (d) S, R
- (e) None of these

- Q76. Who sits third to the left of D?
 (a) R (b) B
 (c) Q (d) C (e) None of these
- Q77. Who sits immediate right of B?
 (a) A (b) C
 (c) R (d) S (e) None of these
- Q78. Four of the following five are alike in a certain way based on the given seating arrangement and thus form a group. Which is the one that does not belong to that group?
 (a) A (b) C
 (c) S (d) B (e) D

DIRECTIONS (79-81): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions:

- (a) If only conclusion I follows.
 (b) If only conclusion II follows.
 (c) If either conclusion I or II follows.
 (d) If neither conclusion I nor II follows.
 (e) If both conclusion I and II follows.
- Q79. **Statements:** $Z > W > V = K < L < I$
Conclusion:
 I. $W > K$
 II. $I > K$
- Q80. **Statements:** $Q > B, K < E < B, J \geq E, R < Q$
Conclusion:
 I. $Q > K$
 II. $Q = E$
- Q81. **Statement:** $E = F < G < H; G \geq I$
Conclusions:
 I. $H > I$
 II. $E > I$

DIRECTIONS (82-86): Study the following alphabetical sequence and answer the questions following it.

A B B C D E F E I B C A F E C B B A C A O B N U V W

- Q82. How many C's are there in the alphabetical series which are immediately preceded by a vowel and immediate followed by consonant?
 (a) One (b) Two
 (c) Three (d) More than three (e) None of these
- Q83. If all the vowels are dropped from the series, then which alphabet will be eighth from the left end?
 (a) C (b) B
 (c) N (d) F
 (e) None of these

- Q84. How many Vowels are there in the alphabetical series which are immediately preceded by a consonant?
 (a) One (b) Two (c) Four (d) More than Five (e) None
- Q85. If the position of the 1st and the 14th alphabets, the 2nd and the 15th alphabets, and so on up to the 13th and the 26th alphabets, are interchanged, Then which alphabets will be 7th to the right of 10th alphabets from the right end?
 (a) A (b) C (c) N (d) B (e) None of these
- Q86. How many total vowels in the alphabetical series?
 (a) Five (b) Ten (c) Three (d) Nine (e) None of these

DIRECTION (87-91): Study the following information carefully and answer the questions given below: There are eight notes of different denominations i.e. 1,5,20,50,100,200,500,2000 rupees which are arranged in a circular arrangement facing towards the centre not necessarily in the same order. 50 rupees note is arranged second to the right of 200 rupees note. Odd denominations note will not be immediate neighbour of 200 and 50 rupees note. There will be less than 100 rupee denomination note to the immediate left and immediate right of 100 rupees note except 1 rupee note. 100 rupee note is second to the left of 5 rupees note. 2000 rupees note is second to the left 100 rupees note.

- Q87. Which rupee note will be arranged to the immediate left of 50 rupees note?
 (a) 100 (b) 2000 (c) 500 (d) 5 (e) None of these
- Q88. Which rupee note will be arranged to the third to the right of 5 rupees note?
 (a) 2000 (b) 100 (c) 200 (d) 20 (e) None of these
- Q89. What will be the sum of note which is immediate left of 50 rupees note and immediate right of 500 rupees note?
 (a) 2100 (b) 550 (c) 700 (d) 2200 (e) None of these
- Q90. Which denomination note are between 1 and 100 rupees note, when counted clockwise from 1 rupee note?
 (a) 5 and 20 (b) 50 and 100 (c) 200 and 2000 (d) 1 and 500 (e) None of these
- Q91. Which rupee note will be arranged to the third to the right of 2000 rupees note?
 (a) 2000 (b) 100 (c) 200 (d) 20 (e) None of these

DIRECTIONS (92-96): These questions are based on the following five numbers.

834

427

563

649

975

- Q92. If all the digits of numbers are arranged in ascending order within the number, then which of the following is lowest number?
 (a) 975 (b) 649
 (c) 834 (d) 563 (e) None of these
- Q93. If 1st digit of highest number is divided by 2nd digit of 2nd highest number, then what will be the resultant?
 (a) 2 (b) 3
 (c) 4 (d) 5 (e) None of these
- Q94. If 2 is subtracted from the every even digit and 1 is subtracted from every odd digit number of each number, which number among them will be lowest number?
 (a) 834 (b) 427
 (c) 563 (d) 649 (e) None of these
- Q95. What is addition of 3rd digit of highest number and 2nd digit of lowest number?
 (a) 7 (b) 6 (c) 4
 (d) 3 (e) None of these
- Q96. If 1st digit of 2nd highest number is divided by 1st digit of lowest number, then what will be the resultant?
 (a) 5 (b) 3
 (c) 2 (d) 4 (e) None of these
- Q97. If 1 is subtracted from each even number and 2 is subtracted to each odd number in the number 5827936, then how many digits will appear twice in the new number thus formed?
 (a) Only 7 (b) Only 5 and 7
 (c) 1, 5 and 7 (d) 4, 5 and 9 (e) None of these
- Q98. How many letter will be remain at the same position in the word 'SURFACE' when they are arranged in the alphabetical order from left to right?
 (a) four (b) Three
 (c) One (d) Two (e) None of these
- Q99. There are five person i.e. P, Q, R, S and T. If Q is taller than R and S but smaller than T. S is smaller than T, who is not the tallest. Then who is the tallest person among all?
 (a) T (b) Q
 (c) S (d) P (e) None of these
- Q100. How many pairs of letters are there in the word "SENATOR" which have as many letters between them in the word as in alphabetical series?
 (a) None (b) One
 (c) Two (d) Three (e) Four

SOLUTIONS

ENGLISH LANGUAGE

1. **Ans. (c)**

Sol. Both the statements (I) and (II) are the reasons through which Jellyfish can survive more than the other fishes in polluted water.

2. **Ans. (e)**

Sol. All of the above reasons can make the hurricane be termed as devastating.

3. **Ans. (b)**

Sol. The passage revolves around the existence of jellyfish and how they differ from humans.

4. **Ans. (e)**

Sol. All of the above statements are related to the passage.

5. **Ans. (d)**

Sol. Refer last few lines of the passage “Jellyfish are eaten by some fish, and jellyfish eat the same small zooplankton that fish do. The ecological vacuum left by unrestrained fishing can allow jellyfish to expand their influence in marine ecosystems”.

6. **Ans.(c)**

Sol. The words ‘many’ and ‘more’ are used as adjectives of quantity differently. The adjective ‘many’ is used in the case of countable whereas the adjective ‘more’ is used in the case of ‘uncountable’.

7. **Ans.(a)**

Sol. Here against means directed towards or affecting someone/something in a negative way. Hence option (a) is correct

8. **Ans.(e)**

Sol. When we use them as adverbs, over can mean the same as across. Here they have the same meaning therefore option (e) is the correct choice.

9. **Ans.(d)**

Sol. Altogether means completely; totally hence altogether and completely are similar in meaning and can be substituted for one another.

10. **Ans.(e)**

Sol. Challenge (verb) means to question if something is true or legal.

11. **Ans.(a)**

Sol. Option (a) is the correct choice.

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12. **Ans.(c)**

Sol. Comes across here means to behave in a way that makes people believe that you have a particular characteristic

13. **Ans.(e)**

Sol. Above board means legitimate, honest, and open.

14. **Ans.(d)**

Sol. Turn on here means to have as the main topic or point of interest.

15. **Ans.(e)**

Sol. Takeover means an act of assuming control of something, especially the buying out of one company by another.

16. **Ans.(d)**

Sol. Put-on means an attempt to deceive someone into believing something that is not true.

17. **Ans.(e)**

Sol. Put up with means to accept or continue to accept an unpleasant situation or experience, or someone who behaves unpleasantly.

18. **Ans.(d)**

Sol. Gave in here means to finally agree to what someone wants, after refusing for a period of time.

19. **Ans.(d)**

Sol. Cut in here means to pull in too closely in front of another vehicle after having overtaken it.

20. **Ans.(d)**

Sol. 'Wears off' means lose effectiveness or intensity.

21. **Ans. (a)**

Sol. Option (b) is incorrect because 'The first two chapters' will be used in place of 'The two first chapters' as ordinal adjective (like...first, second...next, last etc.) is used first then after that cardinal adjective is used (one, two, three, four etc.). Other options are also incorrect similarly and only option (a) is correct.

22. **Ans. (a)**

Sol. Option (b) is incorrect because 'live' will be used in place of 'have been lived' as simple present tense is used for work done for some permanent work of present.

23. **Ans. (d)**

Sol. All the options except (d) are incorrect.

24. **Ans. (a)**

Sol. All the options are incorrect except option (a). Option (d) is incorrect as 'between' is used for two things or person.

25. **Ans. (e)**

Sol. All are incorrect.

26. **Ans. (e)**

Sol. All are incorrect.

27. **Ans. (c)**

Sol. All the options are incorrect except option (c).

28. **Ans. (d)**

Sol. All of the option are incorrect except option (d).

29. **Ans. (d)**

Sol. All of the given options are incorrect except option (d).

30. **Ans. (b)**

Sol. All of the given options are incorrect except option (b).

QUANTITATIVE APTITUDE

31. **Ans.(a)**

Sol.

speed of current = $y = 3$

Downstream speed = $9 \times 3 = 27$ km/h

Speed of boat = x

$x + y = 27$

$x = 24$; $\because y = 3$

Distance travelled upstream in 5 hr = speed \times Time

(a) $(x - y) \times 5$

(b) $(24 - 3) \times 5$

(c) $21 \times 5 = 105$ km

32. **Ans.(a)**

Sol.

Let least even number = x

Consecutive even numbers $\Rightarrow x, x+2, x+4, x+6$

Let least odd number = y

Consecutive odd numbers = $y, y + 2, y + 4$

ATQ

$[x + (x + 2) + (x + 4) + (x + 6)] - [y + (y + 2) + (y + 4)] = 81$

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$$4x + 12 - 3y - 6 = 81$$

$$4x - 3y = 75 \quad \dots(i)$$

Now, sum of smallest even and odd numbers

$$x + y = 59 \quad \dots(ii)$$

solving (i) and (ii)

$$x = 36, y = 23$$

Now sum of largest even number and largest odd number \Rightarrow

$$(36 + 6) + (23 + 4) = 69$$

Alternate \Rightarrow

Sum of least even and odd number = 59

$$x + y = 59$$

Now 4th consecutive even number is $x + 6$ and 3rd consecutive odd number is $y + 4$.

Now \Rightarrow

Required value

$$x + 6 + y + 4$$

$$= x + y + 10$$

$$= 59 + 10$$

$$= 69$$

33. **Ans.(c)**

Sol.

$$\text{In scheme A Interest} = \frac{X \times 8 \times 2}{100}$$

$$\text{In scheme B Interest} = \frac{(X + 1400) \times 12 \times 2}{100}$$

ATQ,

$$\frac{(X + 1400) \times 12 \times 2}{100} - \frac{X \times 8 \times 2}{100} = 880$$

$$X = 6800$$

34. **Ans.(c)**

Sol.

Required ratio

$$\frac{68 + 74 + 78}{90 + 86 + 84} = \frac{220}{260} = \frac{11}{13}$$

35. **Ans.(d)**

Sol.

Total books sold on Friday from Store C & D

$$\frac{115}{100} \times 40 + \frac{120}{100} \times 95$$

$$= 46 + 114$$

$$= 160$$

36. **Ans.(b)**

Sol.

Required percentage

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$$= \frac{(85 + 55) - (36 + 74)}{36 + 74} \times 100 = \frac{30}{110} \times 100$$

$$= 27\frac{3}{11}\%$$

37. **Ans.(e)**

Sol.

Required average

$$= \frac{1}{3} (89 + 82 + 84)$$

$$= \frac{1}{3} \times 255$$

$$= 85$$

38. **Ans.(a)**

Sol.

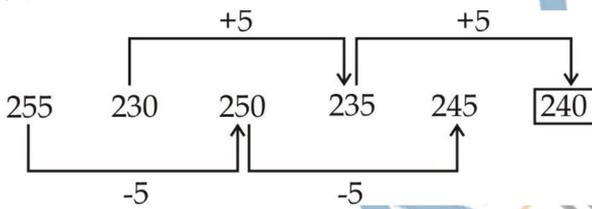
Required difference = $(82 + 90) - (57 + 54)$

$$= 172 - 111$$

$$= 61$$

39. **Ans.(b)**

Sol.



40. **Ans.(c)**

Sol.

Series is $\times 0.5 + 1, \times 1 + 1.5, \times 1.5 + 2, \times 2 + 2.5$

$$\therefore ? = 5 \times 1.5 + 2$$

$$= 9.5$$

41. **Ans.(d)**

Sol.

Series is

$$8 \times 0.5 = 4$$

$$4 \times 1 = 4$$

$$4 \times 2 = 8$$

$$8 \times 4 = 32$$

$$32 \times 8 = 256$$

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42. **Ans.(a)**

Sol.

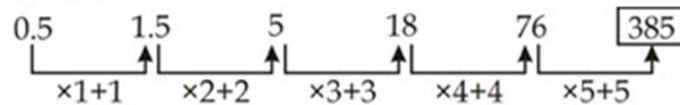
Series is $-1^2, -2^2, -3^2, -4^2, \dots$

$$\therefore ? = 115 - 16 = 99$$

43. **Ans.(b)**

Sol.

Series is



44. **Ans.(c)**

Sol.

Average age of A and B 2 year ago = 26

$$\text{Present age} = \frac{A+B}{2} = 28$$

$$\text{Present age } A + B = 56$$

$$A\text{'s age after 5 year} = 40$$

$$\text{Now } A\text{'s age} = 40 - 5 = 35$$

$$B\text{'s age} = 56 - 35 = 21$$

$$C\text{'s age} = 21 + 5 = 26$$

$$\text{Required difference} = 35 - 26 = 9$$

45. **Ans.(e)**

Sol.

$$X : Y = 2x : 3x$$

$$X + Y = 60$$

$$2x + 3x = 60$$

$$x = 12$$

$$X = 2x = 24$$

$$Y = 3x = 36$$

$$X + Y + Z = 24 \times 3$$

$$60 + Z = 24 \times 3$$

$$Z = 12$$

$$X - Z = 24 - 12 = 12$$

46. **Ans.(d)**

Sol.

Let cost price of both article = $100x$

Profit on sell of 1st article = 40% of $100x = 40x$

Selling price of 1st article = $140x$

Selling price of 2nd Article = $140x - \frac{140 \times 25}{100} = 105x$

Profit of on 2nd Article = $105x - 100x = 5x$

Total profit percent = $\frac{45x}{200x} \times 100 = 22\frac{1}{2}\%$

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47. Ans.(c)

Sol.

Area of square = 1225

$$a^2 = 1225$$

$a = 35$, diagonal of square = $a\sqrt{2} = 35\sqrt{2}$

length of rectangle = 80% of $35\sqrt{2}$

$$l = 28\sqrt{2}$$

$$\text{Perimeter} = 94\sqrt{2}$$

$$2(l+b) = 94\sqrt{2}$$

$$2l + 2b = 94\sqrt{2}$$

$$2b = 94\sqrt{2} - 56\sqrt{2}$$

$$2b = 38\sqrt{2}$$

$$b = 19\sqrt{2}$$

$$\text{Area} = l \times b = 28\sqrt{2} \times 19\sqrt{2} \\ = 1064$$

48. Ans.(a)

Sol.

$$\text{Monthly salary} = \frac{7.68}{12} \text{ Lack}$$

$$= 64000$$

$$\text{Saving} = \text{Income} - \text{Expenditure}$$

$$= 64000 - 12000 - 4000 - 8000$$

$$= 40,000$$

49. Ans.(b)

Sol.

$$\frac{40}{100} \times 5 \times ? = 48$$

$$\Rightarrow ? = 24$$

50. Ans.(c)

Sol.

$$? = 4 \times 5 = 20$$

51. Ans.(a)

Sol.

$$?^2 = \frac{40 \times 64}{80} - 7$$

$$\Rightarrow ?^2 = 32 - 7$$

$$\Rightarrow ?^2 = 25$$

$$\Rightarrow ? = 5$$

52. Ans.(d)

Sol.

$$\frac{25}{100} \times 16 \times (15 - ?)^3 = 256$$

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$$\Rightarrow (15 - ?)^3 = 64$$

$$\Rightarrow ? = 11$$

53. Ans.(b)

Sol.

$$90 = \frac{15}{100} \times 1000 \times \frac{3}{100} \times \frac{100}{?}$$

$$\Rightarrow ? = \frac{10}{2}$$

$$\Rightarrow ? = 5$$

54. Ans.(b)

Sol.

$$? = 28 + 215 - 49 = 194$$

55. Ans.(c)

Sol.

$$\frac{10}{3} - \frac{9}{8} \times ? = \frac{17}{6}$$

$$\Rightarrow \frac{9}{8} \times ? = \frac{1}{2}$$

$$\Rightarrow ? = \frac{4}{9}$$

56. Ans.(a)

Sol.

$$\frac{40}{100} \times 6 \times ? = 48$$

$$\Rightarrow ? = \frac{80}{4}$$

$$\Rightarrow ? = 20$$

57. Ans.(d)

Sol.

$$? = 37 + 83 + 8 = 128$$

58. Ans.(b)

Sol.

$$4 \times ? = 195 - 99$$

$$\Rightarrow ? = \frac{96}{4}$$

$$\Rightarrow ? = 24$$

59. Ans.(c)

Sol.

$$2^? = 2^{12-6-4}$$

$$\Rightarrow ? = 2$$

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60. Ans.(b)

Sol.

$$\begin{aligned} ? &= \frac{1}{5} \times 36 - 2 \\ &= 7.2 - 2 \\ &= 5.2 \end{aligned}$$

61. Ans.(d)

Sol.

$$? = 90 - 50 = 40$$

62. Ans.(a)

Sol.

$$\begin{aligned} 554 + 116 - 169 &=? \\ \Rightarrow ? &= 501 \end{aligned}$$

63. Ans.(b)

Sol.

$$\begin{aligned} 1562 + 15.6\% \text{ of } ? &= 3590 \\ \Rightarrow ? &= \frac{202800}{15.6} = 13000 \end{aligned}$$

64. Ans.(c)

Sol.

A can do work in = 24 days

B is with 20% more efficiency, so B can do same work in = 20 days

C can do the same work in = 20 + 10 = 30 days

One day work of A and C

$$\begin{aligned} &= \frac{1}{24} + \frac{1}{30} \\ &= \frac{5+4}{120} \\ &= \frac{9}{120} \Rightarrow \frac{3}{40} \end{aligned}$$

Time require by A and C = 40/3 days

65. Ans.(c)

Sol.

$$\frac{\text{Milk}}{\text{water}} = \frac{5x}{4x}$$

According to the question

$$\frac{5x}{4x+2} = \frac{10}{9}$$

$$x = 4$$

New amount of water = 4x + 2 = 16 + 2 = 18

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LOGICAL REASONING

DIRECTIONS (66-70):

Floor	Person
8	S
7	X
6	Z
5	T
4	V
3	W
2	U
1	Y

66. Ans.(d)

67. Ans.(b)

68. Ans.(b)

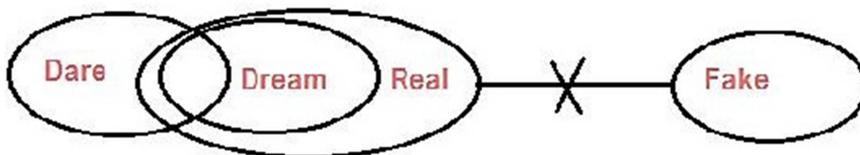
69. Ans.(b)

70. Ans.(c)

DIRECTION (71-73):

71. Ans.(b)

Sol.



72. Ans : (a)

Sol.



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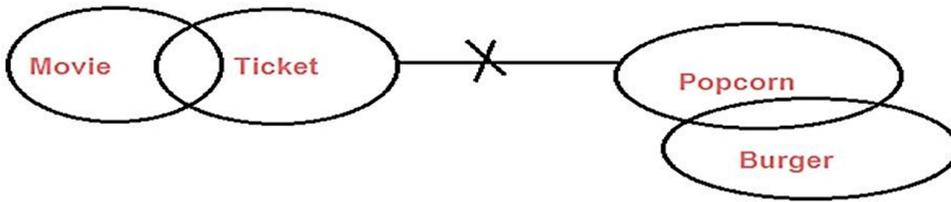
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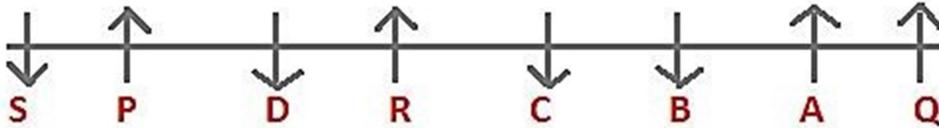
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73. Ans : (d)

Sol.



DIRECTION (74-78):



74. Ans.(c)

75. Ans.(a)

76. Ans.(b)

77. Ans.(b)

78. Ans.(a)

DIRECTION (79-81):

79. Ans.(e)

Sol.

I. $W > K$ (True)

II. $I > K$ (True)

80. Ans.(a)

Sol.

I. $Q > K$ (True)

II. $Q = E$ (False)

81. Ans.(a)

Sol.

I. $H > I$ (True)

II. $E > I$ (False)

DIRECTIONS (82-86):

82. Ans.(a)

Sol. ECB

83. Ans.(d)

Sol. F

84. Ans.(d)

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Sol. More than Five

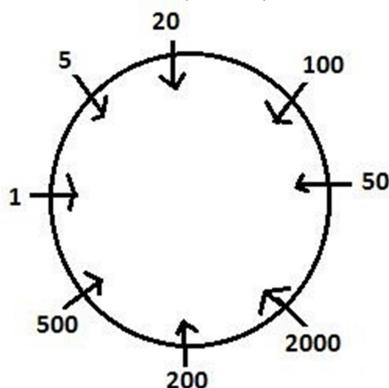
85. Ans.(b)

Sol. C

86. Ans.(b)

Sol. 'Ten'

DIRECTION (87-91):



87. Ans.(b)

88. Ans.(c)

89. Ans.(d)

90. Ans.(a)

91. Ans.(d)

DIRECTION (92-96):

92. Ans.(e)

93. Ans.(b)

94. Ans.(b)

95. Ans.(a)

96. Ans.(c)

97. Ans.(c)

Sol. 1, 5 and 7

98. Ans.(c)

99. Ans.(d)

100. Ans.(c)

□□□

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