

Question Booklet Series: **A**

Question Booklet Serial No.: **210096**

PU-MBA Entrance Test - 2022

Important: Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.

(In Figure)

(In Words)

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O.M.R. Answer Sheet Serial No.

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Signature of Candidate: _____

Signature of Invigilator: _____

Time: 2 Hours

Number of Questions: 100

Maximum Marks: 100

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO.

INSTRUCTIONS:

1. Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
2. Enter the Question Booklet Serial No. on the OMR Answer Sheet. Darken the corresponding bubbles with **Black Gel Pen**.
3. Do not make any identification mark on the Answer Sheet or Question Booklet.
4. Please check that this Question Booklet contains **100** Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
5. Each question has four alternative answer (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with **Black Gel Pen**. **There shall be no negative marking for wrong answer.**
6. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
7. **The medium of Entrance Test shall be English only.**
8. **40 minutes extra would be given to the visually handicapped/PwD Candidates.**
9. **Darken** the bubbles in the OMR Answer Sheet according to the Serial No. of the question given in the Question Booklet.
10. If you want to change an already marked answer, erase the shade in the darkened bubble completely.
11. For rough work only the blank sheet at the end of the Question Booklet be used.
12. The University will provide Logarithmic table. Borrowing of log table or other material is not allowed.
13. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. **Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.**
14. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
15. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
16. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistant or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
17. **Communication equipment such as mobile phones, pager, wireless set, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. Use of calculators is not allowed.**
18. The candidates will not be allowed to leave the Examination Hall/Room before the expiry of the allotted time.

(MBA-A)

1. A person spends Rs. 8100 in buying some tables at Rs. 1200 each and some chairs at Rs. 300 each. The ratio of the number of chairs to that of tables when the maximum possible number of tables is purchased:
(A) 1 : 2 (B) 1 : 4 (C) 2 : 1 (D) 5 : 7
2. A fraction is greater than twice its reciprocal by $\frac{7}{15}$. What is the fraction?
(A) $\frac{3}{5}$ (B) $\frac{5}{3}$ (C) $\frac{3}{4}$ (D) $\frac{4}{3}$
3. The sale price of an article including the sales tax is Rs. 616. The rate of sales tax is 10%. If the shopkeeper has made a profit of 12%, then the cost price of the article is:
(A) 600 (B) 515 (C) 550 (D) 500
4. A boat travels 2 Km upstream in a stream flowing at 3 Km/h and, then returns downstream to the starting point in 30 minutes. The speed of the boat in still water is:
(A) 17 Km/h (B) 13 Km/h (C) 9 Km/h (D) None of these
5. If the circumference of a circle is increased by 20%, then its area will be increased by :
(A) 34% (B) 44% (C) 40% (D) None of these
6. A basket contains 10 apples and 20 oranges out of which 3 apples and 5 oranges are defective. If we choose two fruits at random, what is the probability that either both are oranges or both are non defective?
(A) $\frac{136}{345}$ (B) $\frac{17}{87}$ (C) $\frac{316}{435}$ (D) $\frac{158}{435}$
7. Akka can bake 100 cakes in 20 hours, Akka and Tai together can bake 75 cakes in 10 hours, how many cakes Tai can bake in 20 hours?
(A) 25 (B) 50 (C) 30 (D) 75
8. The calendar for the year 2007 will be the same for the year:
(A) 2014 (B) 2016 (C) 2017 (D) 2018
9. 'A' goes 10 km distance with average speed of 6 km/h while rest 20 km he travels with an average speed of 15 km/h. What is the average speed of 'A' during the whole journey?
(A) 10 km/h (B) 12 km/h (C) 13 km/h (D) 14.5 km/h
10. In the Awadh school Gomti Nagar, there are 500 students. In the Presidency College two candidates contested a 60% of the students are boys, 40% of whom play hockey and the girls don't play hockey, 75% of girls play badminton. There are only two games to be played. The number of students who don't play any game is :
(A) 10% (B) 36% (C) 46% (D) Can't be determined
11. Five years ago, A was three times as old as B and ten years later, A shall be twice as old as B. What are the present ages of A and B (in years)?
(A) 45, 15 (B) 30, 40 (C) 50, 30 (D) 50, 20
12. If 16% of 40% of a number is 8, the number is:
(A) 200 (B) 125 (C) 225 (D) 320
13. The simplification of $\left[\frac{1}{2} + \frac{1}{2}\left\{\frac{3}{4} - \frac{1}{2}\left(\frac{7}{8} - \frac{3}{4}\right)\right\}\right]$ yields:
(A) $\frac{27}{16}$ (B) $\frac{27}{32}$ (C) $\frac{27}{64}$ (D) $\frac{107}{112}$

14. What is the age of a class teacher?
- I. There are 11 students in the class.
II. The average age of the students and the teacher is 14 years.
III. The average age of the teacher and the students is 3 years more than that of the students.
- (A) Both I and III
(B) Both I and II
(C) II and either I or III
(D) All I, II and III
15. How long will it take a sum of money invested at 5% p.a. S.I. to increase its value by 40%?
- (A) 5 years
(B) 6 years
(C) 7 years
(D) 8 years
16. A man and his wife appear in an interview for two vacancies in the same post. The probability of husband's selection is $\frac{1}{7}$ and the probability of wife's selection is $\frac{1}{5}$. What is the probability that only one of them is selected?
- (A) $\frac{4}{5}$
(B) $\frac{2}{7}$
(C) $\frac{4}{7}$
(D) $\frac{8}{15}$
17. The number that must be added to each of the numbers 8, 21, 13 and 31 to make the ratio of first two numbers equal to the ratio of last two numbers is:
- (A) 5
(B) 7
(C) 9
(D) None of these
18. Two taps A and B can fill a tank in 10 hours and 15 hours, respectively. If both the taps are opened together, the tank will be full in:
- (A) 8
(B) 6
(C) 5
(D) None of these
19. $13.000 + 1.3000 + 0.13 + 0.0013$?
- (A) 26.13
(B) 14.3413
(C) 14.0000
(D) 14.4313
20. Rahul, Arun and Sumit started a business. Rahul invested $\frac{1}{2}$ part, Arun $\frac{1}{3}$ part and rest of the capital was invested by Sumit. The ratio of their profits will:
- (A) 2:3:1
(B) 3:2:1
(C) 2:3:6
(D) 3:2:5
21. Three cubes of metal, whose edges are 3 cm, 4 cm and 5 cm respectively are melted to form a new cube. What is the surface area of the new cube?
- (A) 216 cm^2
(B) 56 cm^2
(C) 36 cm^2
(D) None of these
22. A jar contains black and white marbles. If there are ten marbles in the jar, then which of the following could not be the ratio of black to white marbles?
- (A) 1 : 4
(B) 1 : 10
(C) 7 : 3
(D) 9 : 1
23. The cost of 21 pencils and 9 clippers is Rs. 819. The cost price of 7 pencils and 3 clippers (in Rs.) is:
- (A) 204
(B) 409
(C) 273
(D) 208
24. The area of a rectangle is 252 cm^2 and its length and breadth are in the ratio of 9 : 7 respectively. What is its perimeter?
- (A) 64 cm
(B) 68 cm
(C) 96 cm
(D) 128 cm

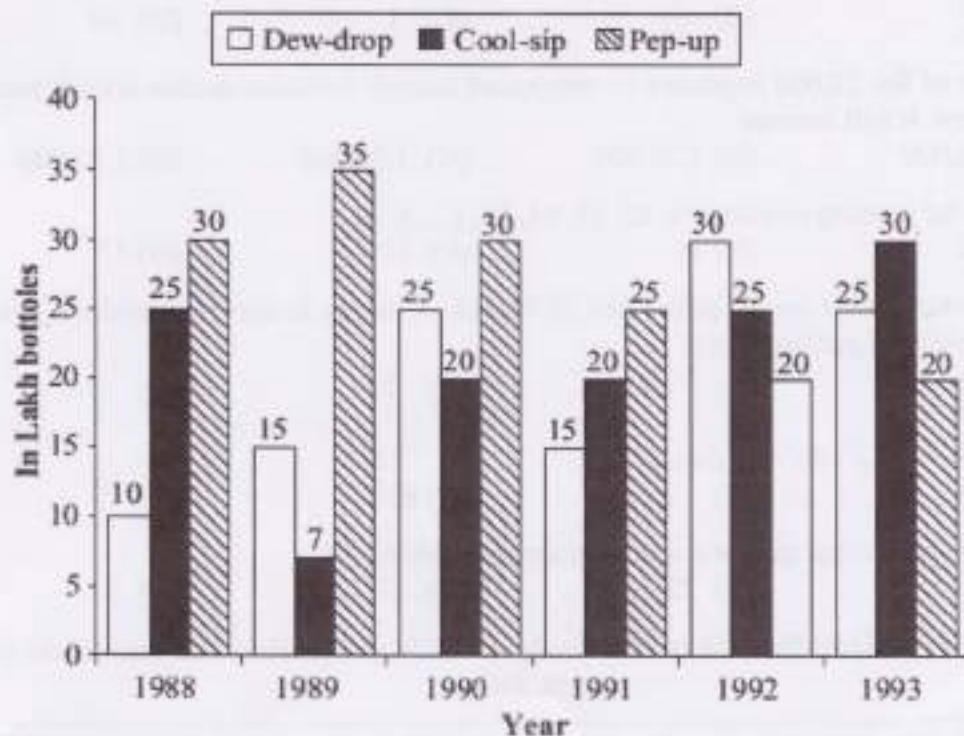
25. A shopkeeper purchased a chair marked at Rs 600 at two successive discounts of 15% and 20%. He spent Rs. 28 on transportation and sold the chair for Rs 545. His gain per cent was:
 (A) 25% (B) 30% (C) 35% (D) 20%
26. What is the value of $(\frac{3}{5} + \frac{7}{9})$?
 (A) $\frac{5}{7}$ (B) $\frac{31}{28}$ (C) $\frac{62}{45}$ (D) $\frac{1}{7}$
27. Which of the following numbers is the greatest?
 (A) $(0.3)^2$ (B) $1/0.3$ (C) $1/8$ (D) $\sqrt{(0.49)}$
28. Five bells begin to toll together and toll at intervals of 36, 45, 72, 81 and 108 seconds. After what interval of time will they keep on tolling together?
 (A) 3200 seconds (B) 3080 seconds (C) 3140 seconds (D) 3240 seconds
29. A general wishing to draw up his 16160 men in the form of a solid square found that he had 31 men over. The number of men in the front row is:
 (A) 123 (B) 127 (C) 137 (D) 129
30. $(48)^{-2/7} (16)^{-5/7} (3)^{-5/7} = ?$
 (A) $\frac{1}{3}$ (B) $\frac{1}{48}$ (C) 1 (D) 48
31. A sum of Rs. 12,000 deposited at compound interest becomes double after 5 years. After 20 years, it will become :
 (A) 96,000 (B) 1,20,000 (C) 1,24,000 (D) 1,92,000
32. Insert the missing number: 9, 12, 11, 14, 13, (.....), 15
 (A) 12 (B) 16 (C) 10 (D) 17
33. In a lottery, there are 10 prizes and 25 blanks. A lottery is drawn at random. What is the probability of getting a prize ?
 (A) $\frac{1}{10}$ (B) $\frac{2}{5}$ (C) $\frac{2}{7}$ (D) $\frac{5}{7}$
34. If $a*b = a^3 + ba^2 + ab^2 + b^3$, then $2*3 = ?$
 (A) 45 (B) 55 (C) 65 (D) 75
35. How many natural numbers upto 150 are divisible by 7?
 (A) 21 (B) 22 (C) 14 (D) 17

Directions (Questions 36 to 40): Study the table given below and answer the questions that follow:

Department	Total No. of Employees	Percentage of Females	Percentage of Males
IT	840	45	55
Accounts	220	35	65
Production	900	23	77
HR	360	65	35
Marketing	450	44	56
Customer service	540	40	60

36. What is the respective ratio of the number of females in Production department to the number of females in the Marketing department ?
 (A) 22 : 23 (B) 35 : 33 (C) 23 : 22 (D) 33 : 35
37. What is the ratio of the number of females in the HR and Accounts departments together to the number of males in the same departments together?
 (A) 311 : 269 (B) 268 : 319 (C) 269 : 311 (D) 319 : 268
38. What is the total number of employees in all the departments together?
 (A) 3260 (B) 3310 (C) 3140 (D) 3020
39. The total number of employees in the HR department forms approximately what per cent of the total number of employees in the Accounts department?
 (A) 149% (B) 178% (C) 157% (D) 164%
40. What is the total number of males in the IT and Customer Service departments together?
 (A) 687 (B) 678 (C) 768 (D) None of these

Directions (Questions 41 to 45): Study the following graph carefully and answer the questions given below:



41. In which year was the sale of 'Pep-up' the maximum?
 (A) 1990 (B) 1991 (C) 1992 (D) None of these
42. In the case of which soft drink was the average annual sale maximum in the given period?
 (A) Pep-up only (B) Cool-sip only
 (C) Dew-drop only (D) Cool-sip and Dew-drop

43. In the case of Cool-sip drink, what was the approximate per cent increase in sale in 1992 over its sale in 1991?
 (A) Less than 20 (B) 25 (C) 36-40 (D) 20-25
44. In the year 1990, what was the difference between the number of 'Pep-up' and 'Cool-sip' bottles sold?
 (A) 5000000 (B) 50000 (C) 1000000 (D) 500000
45. What was the approximate per cent drop in sale of Pep-up in 1990 over its sale in 1989?
 (A) 0.5 (B) 12 (C) 14 (D) 20
46. A number, when divided by 296, gives 75 as the remainder. If the same number is divided by 37 then the remainder will be:
 (A) 1 (B) 19 (C) 2 (D) 31
47. Sachin Tendulkar has a certain average for 11 innings. In the 12th innings he scores 120 runs and thereby increases his average by 5 runs. His new average is:
 (A) 60 (B) 62 (C) 65 (D) 66
48. How many positive factors of 36 are there?
 (A) 4 (B) 9 (C) 6 (D) 12
49. Find the greatest number which will divide 3962, 4085 and 4167 leaving the same remainder in each case.
 (A) 37 (B) 39 (C) 41 (D) 43
50. The ratio of 100:25 is same as:
 (A) 4:1 (B) 2:1 (C) 7:5 (D) 7:10
51. Which term comes next in the series: YEB, WFD, UHG, SKI ?
 (A) QOL (B) QGL (C) TOL (D) QNL
52. Find the term which does not fit into the series : G4T, J10R, M20P, P43N, S90L ?
 (A) G4T (B) J10R (C) M20P (D) S90L
53. Newspaper: Press :: Cloth : _____
 (A) Tailor (B) Textile (C) Fiber (D) Mill
54. Wood is related to Charcoal in the same way as Coal is related to _____
 (A) Fire (B) Smoke (C) Coke (D) Ash
55. 0.16:0.0016::1.02: _____
 (A) 0.0102 (B) 0.102 (C) 1.020 (D) 10.20
56. In a certain code, BROUGHT is written as SGFVAQN. How is SUPREME written in that code?
 (A) DLDSTVO (B) DLDSRTO (C) FNFSRTO (D) RTOSDLD
57. In a certain code, STOVE is written as FNBLK, then how will VOTES be written in the same code?
 (A) FLKBN (B) LBNKF (C) LKNBF (D) LNBKF
58. If in a certain code, BAT=23 and CAT=24, then how will you code BALL?
 (A) 27 (B) 28 (C) 32 (D) 120

59. If 'rose' is called 'poppy', 'poppy' is called 'lily', 'lily' is called 'lotus' and 'lotus' is called 'gladiola', which is the king of flowers?
(A) Rose (B) Lotus (C) Poppy (D) Gladiola

Directions (Questions 60-61): Read the information given below to answer the questions that follow:

In a certain code language:

- i) 'pit na sa' means 'you are welcome'
- ii) 'na ho pa la' means 'they are very good'
- iii) 'ka da la' means 'who is good'
- iv) 'od ho pit la' means 'they welcome good people'

60. Which if the following means 'people' in that code language?
(A) od (B) la (C) ho (D) pit
61. Which of the following means 'very' in that code language?
(A) pa (B) na (C) da (D) ho
62. If Neena says, " Anita's father Raman is the only son of my father-in-law Mahipal", then how is Bindu, who is sister of Anita, related to Mahipal?
(A) Niece (B) Daughter (C) Wife (D) Grand Daughter

Directions (Questions 63-65): Read the following information and answer the questions given below:

A is the son of B. C, B's sister, has a son D and a Daughter E. F is the maternal uncle of D.

63. How is A related to D?
(A) Cousin (B) Nephew (C) Uncle (D) Brother
64. How is E related to F?
(A) Sister (B) Daughter (C) Niece (D) Wife
65. How many Nephews does F have?
(A) Nil (B) One (C) Two (D) Three

Directions (Questions 66-70): Read the following information and answer the questions given below:

Madan and Rohit are in the same team of hockey. Parth defeated Rohit in badminton but lost to sachin in tennis. Nitin teams with Sagar in football and with Sachin in hockey. Rohit defeated Sachin in chess. Those who play cricket do not play badminton, volleyball or tennis. Madan and Parth are in opposite teams of basketball. Nitin represents his state in cricket while Sagar does so at district level. Boys who play chess do not play football, basketball or volleyball. Madan and Parth are together in the Volleyball team. Boys who play football also play hockey.

66. Name the boys who do not play football.
 (A) Sachin, Nitin (B) Rohit, Sagar (C) Rohit, Sachin (D) Rohit, Nitin
67. Who plays both hockey and tennis?
 (A) Sachin (B) Rohit (C) Nitin (D) Parth
68. Which is the most popular game with this group?
 (A) Cricket (B) Hockey (C) Football (D) Badminton
69. Who plays largest number of games?
 (A) Sagar (B) Rohit (C) Parth (D) Nitin
70. Which boy plays both badminton and hockey?
 (A) Sachin (B) Rohit (C) Nitin (D) Parth
71. **Statements:** All shares are debentures. No debenture is an equity.
Conclusions: I. No. equity is a share
 II. Some debentures are shares
 III. No share is an equity

(A) Only I follows (B) Only II follows (C) Only III follows (D) All follow

Directions (Questions 72-75): Read the following information and answer the questions given below:

Dryland farming is the only way to not only combat recurring drought but also meet the increasing food requirements of India. About 45% of India's total crop production now comes from drylands. By the end of this century, this will have to increase to 60% if India is to provide adequate food for projected population of one billion by the turn of the century.

72. Dryland farming is important for India.
 (A) Definitely true (B) Probably true (C) Probably false (D) Definitely false
73. The per acre crop production is more in drylands than others.
 (A) Probably false (B) Probably true (C) Definitely true (D) Data inadequate
74. At present India gets larger food production from wetlands.
 (A) Probably true (B) Probably false (C) Data inadequate (D) Definitely true
75. In India, rate of growth of population is 15 percent per year.
 (A) Data inadequate (B) Probably true (C) Probably false (D) Definitely false

Directions (Questions 76-78): Read the following information and answer the questions given below:

Choose the word which is **MOST SIMILAR** in meaning to the word printed in bold as used in the passage:

76. Hiding
(A) Sitting (B) Waiting (C) Out of sight (D) Viewing
77. Outsmarted
(A) Pleased (B) Drove away (C) Received (D) Outwitted
78. Prophesied
(A) Forecast (B) Entertained (C) Rebuffed (D) Deserted

Directions (Questions 79-80): Read the following information and answer the questions given below:

Choose the word which is **MOST OPPOSITE** in meaning to the word printed in bold as used in the passage:

79. Aggrieved
(A) Afflicted (B) Depressed (C) Disturbed (D) Pleased
80. Fervently
(A) Intently (B) Quietly (C) Earnestly (D) Briskly

Directions (Questions 81-85): Read the following information and answer the questions given below:

Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

81. The much awaited 'Supermoon' became visible a little _____ than expected, but when it did at around 7:00 P.M, the enthusiastic stargazers _____ the rare spectacle with a sense of awe.
(A) After, disliked (B) More, hated (C) Over, preferred (D) Later, relished
82. Given that a whole lot of States are _____ financial stress, the hike is expected to happen sooner _____ later.
(A) In, or (B) Under, than (C) Having, or (D) Facing, then
83. German carmakers could _____ 'very high' fines if suspicious of _____ prove true in Court.
(A) Pay, Collision (B) Face, Collusion
(C) Lose, Strategy (D) Submit, connivance
84. Today 55 percent of the world's population is _____ in urban areas _____ 70 percent of Global GDP.
(A) Concentrated, producing (B) Living, counting
(C) Serving, making (D) Working, providing

85. From automakers' point of view, it cannot be _____ that the GST is the perfect _____ for their wounds.

(A) Refused, case

(B) Accepted, gel

(C) Denied, solution

(D) Refuted, balm

Directions (Questions 86-90): Read the following information and answer the questions given below:

Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- a. This has resulted in a better appreciation of the role of fibrous food in human health.
- b. In the early days, people only knew that this fibre prevented constipation.
- c. Later research has thrown light on many other ingredients that are not digested by man.
- d. Plants contain indigestible substances in their cell walls, and these contain fibre.
- e. Its role in human nutrition was not fully understood.
- f. In the last few years, there has been increasing realization of the importance of fibrous diet.

86. Which of the following would be the FIRST sentence after arrangement?

(A) d

(B) e

(C) f

(D) a

87. Which of the following would be the SECOND sentence after arrangement?

(A) a

(B) b

(C) c

(D) d

88. Which of the following would be the THIRD sentence after arrangement?

(A) c

(B) d

(C) b

(D) e

89. Which of the following would be the FOURTH sentence after arrangement?

(A) e

(B) c

(C) f

(D) d

90. Which of the following would be the LAST (SIXTH) sentence after arrangement?

(A) a

(B) c

(C) e

(D) f

Directions (Questions 91-100): Read the following information and answer the questions given below:

In the following passage, some of the words have been left out, each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

Bunny rabbit lived in the forest. He had many friends. He was 91 of his friends. One day Bunny rabbit heard the loud barking of wild dogs. He was very 92. He decided to ask for help. He quickly went to his friend deer. He said, "Dear friend, some wild dogs are 93 me, can you chase them away with your sharp antlers?"

The deer said, "That is right, I can. But now I am busy. Why don't you ask the Bear for help?". Bunny rabbit 94 to the Bear. "My dear friend, you are very strong. Please help me. Some wild dogs are 95 me. Please chase them away", he requested to the Bear.

The Bear replied, "I am sorry, I am hungry and tired. I need to find some food. Please ask the monkey for help".

Poor Bunny went to the monkey, the elephant, the goat and all his 96 friends. Bunny felt sad that nobody was 97 to help him.

He understood that he had to think of a way out by himself. He 98 under a bush. He 99 very still. The wild dogs did not find Bunny. They went chasing other animals.

Bunny rabbit learnt that he had to learn to 100 by himself, not depending on his unhelpful friends.

91. (A) Fond (B) Proud (C) Humble (D) Popular
92. (A) Scared (B) Calm (C) Bold (D) Confident
93. (A) Pursuing (B) Retreating (C) Driving (D) Chasing
94. (A) Fell (B) Escaped (C) Jumped (D) Ran
95. (A) Behind (B) After (C) Below (D) Before
96. (A) Other (B) Rest (C) Many (D) Some
97. (A) Agreed (B) Equipped (C) Ready (D) Fixed
98. (A) Concealed (B) Disclosed (C) Exposed (D) Hid
99. (A) Arranged (B) Adduced (C) Lodged (D) Lay
100. (A) Handover (B) Recover (C) Survive (D) Sustain

x-x-x