M.VOC TECHNOLOGY AND MANAGEMENT

1. 10 typists can type 600 pages in 8 hours. Find the average number of pages typed by each typist in an hour.

   (A) 7 pages
   (B) 7.5 pages
   (C) 8 pages
   (D) 8.5 pages

2. Kiran is younger than Bineesh by 7 years and their ages are in the respective ratio of 7:9. How old is Kiran?

   (A) 23.5
   (B) 25
   (C) 24.5
   (D) 24

3. The last day of a century cannot be

   (A) Monday
   (B) Wednesday
   (C) Tuesday
   (D) Friday

4. A number when divided by 296 leaves 75 as remainder. When the same number is divided by 37, the remainder will be

   (A) 1
   (B) 3
   (C) 5
   (D) 2

5. *P*, *Q* and *R* started a business by investing Rs.120000, Rs.135000 and Rs.150000 respectively. Find the share of each, out of the annual profit of Rs.56700.

   (A) 17850, 18500, 22000
   (B) 17850, 18900, 21000
   (C) 16800, 18900, 21000
   (D) 16800, 18900, 22000

Only for reference. Do not copy

6. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

(A) 39, 30
(B) 41, 32
(C) 42, 33
(D) 43, 34

7. 20 buckets can fill a tank when the capacity of each bucket is 12 liters. If the capacity of each bucket is 10 liters, find the number of buckets required to fill the tank.

(A) 30 buckets
(B) 34 buckets
(C) 24 buckets
(D) 27 buckets

8. 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 cost price is the profit?

(A) 30%
(B) 70%
(C) 100%
(D) 250%

9. A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 percent per annum in 5 years. What is the sum?

(A) Rs. 4462.50
(B) Rs. 8032.50
(C) Rs. 8900
(D) Rs. 8925

10. A group of workers undertakes a task. They can complete the task in 30 days. If 5 of them did not turn for the work and the remaining workers complete the task in 40 days, find the original number of workers.

(A) 25
(B) 23
(C) 21
(D) 20

Only for reference. Do not copy

11. If $5^{(a+b)} = 5 \times 25 \times 125$, what is $(a+b)^2$?

(A) 12
(B) 36
(C) 16
(D) 34

12. Paint needs to be thinned to a ratio of 2 parts paint to 1.5 parts water. The painter has by mistake added water so that he has 6 litres of paint which is half water and half paint. What must he add to make the proportions of the mixture correct?

(A) 1 litre paint
(B) 1 litre water
(C) ½ litre water and one litre paint
(D) ½ litre paint and one litre water

13. A bag contains 6 black and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white?

(A) $\frac{3}{4}$
(B) $\frac{4}{7}$
(C) $\frac{1}{8}$
(D) $\frac{3}{7}$

14. The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:

(A) Rs. 3500
(B) Rs. 3750
(C) Rs. 3840
(D) Rs. 3900

15. Find the income on 7½ % stock of Rs. 2000 purchased at Rs. 80.

(A) Rs.160
(B) Rs.148
(C) Rs.150
(D) Rs.6

Only for reference. Do not copy

16. A man wants to sell his scooter. There are two offers, one at Rs. 12000 cash and other at a credit of Rs. 12880 to be paid after 8 months, money being at 18% per annum which is the better offer?

(A) At a credit of Rs.12880
(B) Rs.12000 in cash
(C) Both are equally good
(D) None of the above

17. If $\log_{10}\left[96+\sqrt{x^2-12x+36}\right]=2,$ find the value of x.

(A) 2, 10
(B) 1, 5
(C) 12, 24
(D) 6, 30

18. The difference between the digits of a two-digit number is 4. What is the digit in the unit's place? To find out the answer, which of the information given in the statements *P* and *Q* is/are sufficient?

P: The difference between the number and the number obtained by interchanging the positions of the digits is 36.
Q: The sum of the digits of that number is 12.

(A) Only *P* is sufficient
(B) Only *Q* is sufficient
(C) Both *P* and *Q* are needed
(D) Either *P* or *Q* is sufficient

19. The numerator of a fraction is 3 less than the denominator. If numerator be made 3 times and 20 is added to the denominator, the fraction becomes 1/8. What is the fraction?

(A) 1/4
(B) 2/5
(C) 5/8
(D) 4/7

Only for reference Do not copy

20. In a locality, there are ten houses in a row. On a particular night a thief planned to steal from three houses of the locality. In how many ways can he plan such that no two of them are next to each other?

(A) 64
(B) 24
(C) 23
(D) 56

21. Find the missing number.

78, 64, 48, 30, 10, **?**

(A) 88
(B) – 4
(C) 22
(D) –12

22. In a 100 m race, *A* can give *B* 10 m and *C* 28 m. In the same race *B* can give *C*:

(A) 18 m
(B) 20 m
(C) 27 m
(D) 9 m

23. Rohit walked 25 m towards south. Then he turned to his left and walked 20 m. He then turned to his left and walked 25 m. He again turned to his right and walked 15 m. At what distance is he from the starting point and in which direction?

(A) 35 m East
(B) 35 m North
(C) 30 m West
(D) 45 m East

24. The edge of a cube is $2a$ cm. Find its surface?

(A) $6a^2$ cm^2
(B) $8a^2$ cm^2
(C) $12a^2$ cm^2
(D) $24a^2$ cm^2

Only for reference. Do not copy

25. Solve $(x + 1)(x – 3) = 0$.

(A) –1, 3
(B) 2, 3
(C) –1, 5
(D) –1, 6

26. Ram draws one card at random from a pack of 52 cards. What is the probability that the card drawn is a face card (jack, queen and king only)?

(A) 3/13
(B) 3/15
(C) 3/17
(D) 3/19

27. In a two-digit number, the digit in the unit's place is more than twice the digit in ten's place by 1. If the digits in the unit's place and the ten's place are interchanged, difference between the newly formed number and the original number is less than the original number by 1. What is the original number?

(A) 35
(B) 36
(C) 37
(D) 39

28. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:

(A) 650
(B) 690
(C) 698
(D) 700

29. What was the day on 15th August 1947 ?

(A) Friday
(B) Saturday
(C) Sunday
(D) Thursday

Only for reference. Do not copy

30. A student has to obtain 33% of the total marks to pass. He got 125 marks and failed by 40 marks. The maximum marks are

(A) 500
(B) 600
(C) 800
(D) 1000

31. A man spends 35% of his income on food, 25% on children's education and 80% of the remaining on house rent. What percent of his income he is left with?

(A) 6%
(B) 8%
(C) 10%
(D) 12%

32. Two trains are running in opposite directions in the same speed. The length of each train is 120 meter. If they cross each other in 12 seconds, the speed of each train (in km/hr) is

(A) 28
(B) 42
(C) 36
(D) 20

33. The average weight of 8 persons increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?

(A) 70kg
(B) 75kg
(C) 80kg
(D) 85kg

34. Three numbers are in the ratio of 3 : 4 : 5 and their L.C.M. is 2400. Their H.C.F. is

(A) 40
(B) 80
(C) 120
(D) 200

Only for reference. Do not copy

35. Sohan started a business with a capital of Rs. 80000. After 6 months, Mohan joined as a partner by investing Rs. 65000. After one year they earned total profit Rs. 20000. What is the share of Mohan in the profit?

(A) Rs. 5222.2
(B) Rs. 5777.7
(C) Rs. 6222.2
(D) Rs. 6777.7

36. Worker A completes a task in 8 days and worker B completes the same task in 10 days. If both A and B work together, in how many days they will complete the task?

(A) $\frac{40}{10}$ days
(B) $\frac{40}{9}$ days
(C) $\frac{40}{8}$ days
(D) $\frac{40}{7}$ days

37. A sum of Rs.312 was divided among 100 boys and girls in such a way that each boy gets Rs.3.60 and each girl gets Rs. 2.40. Then the number of girls is

(A) 35
(B) 40
(C) 45
(D) 50

38. If a number is chosen at random from the set {1, 2, 3…, 100}, then the probability that the chosen number is a perfect cube is

(A) 1/25
(B) 1/2
(C) 4/13
(D) 1/10

39. Two dice are rolled. The probability of getting a sum of at least 9 is

(A) 13/36
(B) 5/18
(C) 35/36
(D) 11/36

Only for reference. Do not copy

40. If $\log x + \log y = \log (x + y)$, then,

(A) $x = y$
(B) $xy = 1$
(C) $y = (x - 1)/x$
(D) $y = x/(x - 1)$

41. The cost of carpeting a room 18m long with a carpet 75cm wide at 45 paise per meter is Rs.81. The breadth of the room is

(A) 7m
(B) 7.5m
(C) 8m
(D) 8.5m

42. Find the number of terms in an arithmetic progression with the first term 2 and the last term being 62, given that common difference is 2.

(A) 31
(B) 40
(C) 27
(D) 22

43. A group of students decided to collect as many paise from each member of group as is the number of members. If the total collection amounts to Rs. 59.29, the number of members in the group is

(A) 57
(B) 67
(C) 77
(D) 87

44. What comes next in this sequence?

196, 169, 144, 121, 100, 81, ?

(A) 77
(B) 74
(C) 67
(D) 64

Only for reference. Do not copy

45. The present worth of Rs.1404 due in two equal half-yearly instalments at 8% per annum. Simple interest is

(A) 1320
(B) 1300
(C) 1325
(D) 1200

Directions: The following table shows the number of new employees added to different categories of employees in a company and also the number of employees from these categories who left the company every year since the foundation of the Company in 1995.

Year	Managers		Technicians		Operators		Accountants		Peons	
	New	Left	New	Left	New	Left	New	Left	New	Left
1995	760	-	1200	-	880	-	1160	-	820	-
1996	280	120	272	120	256	104	200	100	184	96
1997	179	92	240	128	240	120	224	104	152	88
1998	148	88	236	96	208	100	248	96	196	80
1999	160	72	256	100	192	112	272	88	224	120
2000	193	96	288	112	248	144	260	92	200	104

46. What is the difference between the total number of Technicians added to the Company and the total number of Accountants added to the Company during the years 1996 to 2000?

(A) 128
(B) 112
(C) 96
(D) 88

47. What was the total number of Peons working in the Company in the year 1999?

(A) 1312
(B) 1192
(C) 1088
(D) 968

48. For which of the following categories the percentage increase in the number of employees working in the Company from 1995 to 2000 was the maximum?

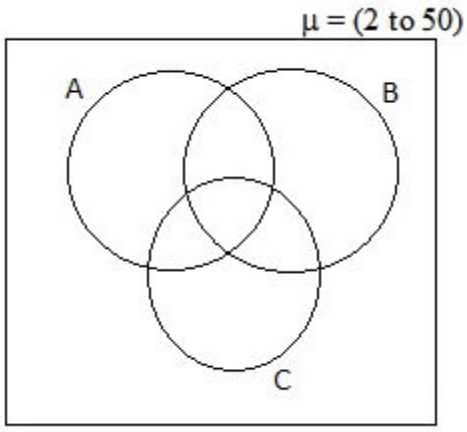
(A) Managers
(B) Technicians
(C) Operators
(D) Accountants

Only for reference. Do not copy

49. What is the pooled average of the total number of employees of all categories in the year 1997?

(A) 1325
(B) 1195
(C) 1265
(D) 1235

Directions: These questions are based on the following diagram.



Circle A represents even numbers from 2 to 50.
Circle B represents odd numbers from 2 to 50.
Circle C represents prime numbers from 2 to 50.

50. How many elements are there in set A only?

(A) 25
(B) 24
(C) 23
(D) 22

51. How many elements are there in set B only?

(A) 14
(B) 25
(C) 10
(D) 13

52. How many elements are there in B ∩ C?

(A) 14
(B) 11
(C) 24
(D) 13

Only for reference. Not copy

53. How many elements are there in A ∪ C?

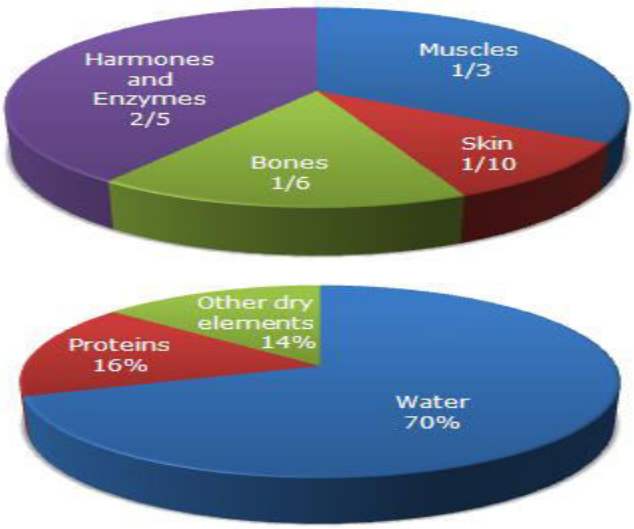
(A) 0
(B) 1
(C) 2
(D) 3

54. How many elements are there in C' (complement of C)?

(A) 35
(B) 25
(C) 34
(D) 14

Directions Study the following pie-diagrams carefully and answer the questions given below it:

Percentage Composition of Human Body



55. What percent of the total weight of human body is equivalent to the weight of the proteins in skin in human body?

(A) 0.016
(B) 1.6
(C) 0.16
(D) Data inadequate

Only fr... Do not copy

56. What will be the quantity of water in the body of a person weighing 50 kg?

(A) 20 kg
(B) 35 kg
(C) 41 kg
(D) 42.5 kg

57. What is the ratio of the distribution of proteins in the muscles to that in the bones?

(A) 1 : 18
(B) 1 : 2
(C) 2 : 1
(D) 18 : 1

58. To show the distribution of proteins and other dry elements in the human body, the arc of the circle should subtend at the centre at an angle of

(A) 54°
(B) 126°
(C) 108°
(D) 252°

59. In the human body, what part is made of neither bones nor skin?

(A) 1/4
(B) 3/80
(C) 2/5
(D) None of the above

Directions: Given below in the table is the decadal data of Population and Electrical Power Production of a country. Based on the table, answer the questions.

Year	**Population (million)**	**Electrical Power Production (GW)***
1951	20	10
1961	21	20
1971	24	25
1981	27	40
1991	30	50
2001	32	80
2011	35	100
		* 1 GW =1000 million watt

Only for reference. Do not copy

60. Which decade registered the maximum growth rate (%) of population?

(A) 1961-71
(B) 1971-81
(C) 1991-2001
(D) 2001-2011

61. Average decadal growth rate (%) of population is:

(A) ~ 12.21%
(B) ~ 9.82%
(C) ~ 6.73%
(D) ~ 5%

62. Based on the average decadal growth rate, what will be the population in the year 2021?

(A) 40.34 million
(B) 38.49 million
(C) 37.28 million
(D) 36.62 million

63. In the year 1951, what was the power availability per person?

(A) 100 W
(B) 200 W
(C) 400 W
(D) 500 W

64. In which decade, the average power availability per person was maximum?

(A) 1981-1991
(B) 1991-2001
(C) 2001-2011
(D) 1971-1981

65. By what percentage (%) the power production increased from 1951 to 2011?

(A) 100%
(B) 300%
(C) 600%
(D) 900%

Only for reference. Do not copy

Directions: The following table shows the number of people in different age groups who responded to a survey about their favourite style of music. Use this information to answer the questions that follow (to the nearest whole percentage).

	Number of people		
Age → / Style of Music ↓	(Years) 15-20	(Years) 21-30	(Years) 31+
Classical	6	4	17
Pop	7	5	5
Rock	6	12	14
Jazz	1	4	11
Blues	2	3	15
Hip-Hop	9	3	4
Ambient	2	2	2

66. Approximately what percentage of the total sample were aged 21-30?

(A) 31%
(B) 23%
(C) 25%
(D) 14%

67. Approximately what percentage of the total sample indicates that Hip-Hop is their favourite style of music?

(A) 6%
(B) 8%
(C) 14%
(D) 12%

68. What percentage of respondents aged 31+ indicated a favourite style other than classical music?

(A) 64%
(B) 60%
(C) 75%
(D) 50%

Only for reference. Do not copy

Directions: A University professor maintains data on MCA students tabulated by performance and gender. The data is kept on a computer hard disk, but accidently some of it is lost because of a computer virus. Only the following could be recovered:

	Number of MCA Students			
Performance → / Gender↓	Average	Good	Excellent	Total
Male			10	
Female				32
Total		30		

Panic buttons were pressed but to no avail. An expert committee was formed, which decided that the following facts were self evident:

(a) Half of the students were either excellent or good.
(b) 40% of the students were females.
(c) One-third of the male students were average.

Answer the following questions based on the data given above:

69. How many female students are excellent?

(A) 0
(B) 8
(C) 16
(D) 32

70. What proportion of female students are good?

(A) 0
(B) 0.25
(C) 0.50
(D) 0.75

71. Approximately, what proportion of good students are male?

(A) 0
(B) 0.73
(C) 0.43
(D) 0.27

Only for reference. Do not copy

72. Which word does NOT belong with the others?

(A) Index
(B) Glossary
(C) Chapter
(D) Book

73. SAFE : SECURE :: PROTECT :

(A) LOCK
(B) GUARD
(C) SURE
(D) CONSERVE

74. In a code, CORNER is written as GSVRIV. How can CENTRAL be written in that code?

(A) DFOUSBM
(B) GIRXVEP
(C) GNFJKER
(D) None of the above

75. ZA5, Y4B, XC6, W3D, _____

(A) E7V
(B) V2E
(C) VE5
(D) VE7

Directions (Question No. 76 to 77): In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the end of the series.

76. Fill the blank in the middle of the series.

SCD, TEF, UGH, ____, WKL

(A) CMN
(B) UJI
(C) VIJ
(D) IJT

Only for reference. Do not copy

77. Fill the blank in the end of the series.

FAG, GAF, HAI, IAH, ____

(A) JAK
(B) HAL
(C) HAK
(D) JAI

78. Five children are sitting in a row. S is sitting next to P, but not T. K is sitting next to R who is sitting on the extreme left and T is not sitting next to K. Who are sitting adjacent to S?

(A) K and P
(B) R and P
(C) Only P
(D) P and T

79. In a 100 m race, *A* covers the distance in 36 seconds and *B* in 45 seconds.
In this race, *A* beats *B* by

(A) 25 m
(B) 20 m
(C) 22.5 m
(D) 9 m

80. One morning after sunrise, Arathi while going to school, met Suhana at a road crossing. Suhana's shadow was exactly to the right of Arathi. If they were face to face, which direction was Arathi facing?

(A) North
(B) South
(C) East
(D) Can't be determined

81. Introducing Ramesh, Neelam said, "His brother's father is the only son of my grandfather". How Neelam is related to Ramesh?

(A) Sister
(B) Daughter
(C) Niece
(D) Grandfather

Only for reference. Do not copy

82. Pointing to a photograph of Hari, Vijay said, “The father of his sister is the husband of my wife’s mother’. How is Vijay related to Hari?

(A) Brother
(B) Brother in law
(C) Uncle
(D) Data inadequate

Only for reference. Do not copy

83. Daya has a brother, Anil. Daya is the son of Chandra. Bimal is Chandra's father. In terms of relationship, what is Anil of Bimal?

(A) Son
(B) Grandson
(C) Brother
(D) Mother

Directions: Read the passage and answer the questions based on it.

Political education has many connotations. It may be defined as the preparation of a citizen to take well informed, responsible and sustained action for participation in the national struggle in order to achieve the socio-economic objectives of the country. The predominant socio-economic objectives in India are the abolition of poverty and the creation of a modern democratic, secular and socialist society in place of the present traditional, feudal, hierarchical and in egalitarian one. Under the colonial rule, the Congress leaders argued that political education was an important part of education and refused to accept the official view that education and politics should not be mixed with one another. But when they came to power in 1947 they almost adopted the British policy and began to talk of education being **defiled** by politics. 'Hands off education' was the call to political parties.

But in spite of it, political infiltration into the educational system has greatly increased in the sense that different political parties vie with each other to capture the mind of teachers and students. The wise academicians wanted political support, without political interference. What we have actually received is infinite political interference with little genuine political support. This interference with the educational system by political parties for their own ulterior motives is no political education at all and with the all round growth of elitism, it is hardly a matter for surprise that real political education within the school system (which really means the creation of a commitment to social transformation) has been even weaker than in the pre-independence period.

During that time only, the struggle for freedom came to an end and the major non- formal agency of political education disappeared. The press played a major role by providing some political education. But it did not utilize the opportunity to the full and the strangle hold of vested interests continued to dominate it. The same can be said of political parties as well as of other institutions and agencies outside the school system which can be expected to provide political education. After analysing all these things, it appears that we have made no progress in genuine political education in the post-education period and have even slided back in some respects.

only for reference. Do not copy

For instance, the education system has become even more elite-oriented. Patriotism has become the first casualty. The father of the nation gave us the courage to oppose government when it was wrong, in a disciplined fashion and on basic principles. Today, we have even lost the courage to fight on basic issues in a disciplined manner because agitational and anarchic politics for individual, group or party aggrandizement has become common. In the recent times the education system continues to support domination of the privileged groups and domestication of the under- privileged ones. The situation will not change unless we take vigorous steps to provide genuine political education on an adequate scale. This is one of the major educational reforms we need, and if it is not carried out, mere linear expansion of the existing system of formal education will only support the status quo and **hamper** radical social transformation.

84. Which word is nearly opposite in meaning as "defile" as used in the passage?

(A) Disparage
(B) Forgery
(C) Degenerate
(D) Sanctify

85. According to the passage, what should be the main purpose of political education?

(A) To champion the cause of elitism
(B) To bring qualitative change in the entire education system
(C) To create an egalitarian society
(D) To prepare the young generation with high intellectual acumen

86. How has politics been related to educational institutions after independence?

(A) Although they got political support but there was no interference of politics
(B) It is clear that they got almost no political support as well as political interference
(C) They got political support at the cost of political interference
(D) There was substantial interference without political support

87. Based on the passage, which is the major drawback of the present education system?

(A) The education system mainly represents the oppressed sections of the society
(B) The present education system promotes the domination of the privileged few
(C) It is based on the British model of education
(D) It is highly hierarchical and egalitarian in nature

Only for reference. Do not copy

88. Which is the most opposite in meaning to the word ‘hamper’ as used in the passage?

(A) Accelerate
(B) Envision
(C) Foster
(D) Initiate

Only for reference. Do not copy

Directions: Read the passage and answer the questions based on it.

A fact that draws our attention is that, according to his position in life, an extravagant man is either admired or loathed. A successful business man does nothing to increase his popularity by being prudent with his money. A person who is wealthy is expected to lead a luxurious life and to be lavish with his hospitality. If he is not so, he is considered mean, and his reputation in business may even suffer in consequence. The **paradox** remains that he had not been careful with his money in the first place; he would never have achieved his present wealth. Among the low income group, a different set of values exists. The young clerk, who makes his wife a present of a new dress when he has not paid his house rent, is condemned as extravagant. Carefulness with money to the point of meanness is applauded as a virtue. Nothing in his life is considered more worthy than paying his bills. The ideal wife for such a man separates her housekeeping money into joyless little piles – so much for rent, for food, for the children's shoes, she is able to face the milkman with **equanimity** every, month satisfied with her economizing ways , and never knows the guilt of buying something she can't really afford .

As for myself, I fall neither of these categories. If I have money to spare I can be extravagant, but when, as is usually the case, I am hard up and then I am the meanest man imaginable.

89. Which of the following would be the most appropriate title for the passage?

(A) Being extravagant is always condemnable
(B) The cause of poverty is extravagance
(C) Extravagance is a part of the rich as well as of the poor
(D) Stingy habits of the poor

90. According to the passage the person, who is a successful businessman and wealthy

(A) Is expected to have lavish lifestyle
(B) Should not bother about popularity
(C) Is more popular if he appears to be wasting away his time
(D) Must be extravagant before achieving success

91. The phrase 'lavish with his hospitality' in the third sentence of the first paragraph means

(A) Thoughtful in spending only on guests and strangers
(B) Unconcerned in treating his friends and relatives
(C) Stinginess in dealing with his relatives
(D) Extravagance in entertaining guest

Only for reference. Do not copy

92. The word ‘paradox’ in the last sentence of the first paragraph means

(A) Statement based on the popular opinion
(B) A statement that seems self-contradictory but in reality expresses a possible truth
(C) Statement based on facts
(D) A word that brings out the hidden meaning

93. What is the meaning of the word “equanimity”?

(A) Calmness
(B) Discomposure
(C) Equivocal
(D) Dubious

Directions: Read the passage and answer the question based on it.

If a person suddenly encounters any terrible danger, the change of nature one undergoes is equally great. Sometimes fear numbs our senses. Like animals, one stands still, powerless to move a step in fright or to lift a hand in defense of our lives, and sometimes one is seized with panic, and again, act more like the inferior animals than rational beings. On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by flight, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quick apprehension and swift decision.

This is a miracle very common in nature. Man and the inferior animals alike, when confronted with almost certain death ‘ gather resolution from despair’ but there can really be no trace of so debilitating a feeling in the person fighting, or prepared to fight for dear life. At such times the mind is clearer than it has ever been; the nerves are steel, there is nothing felt but a wonderful strength and daring. Looking back at certain perilous moments in my own life, I remember them with a kind of joy, not that there was any joyful excitement then, but because they broadened my horizon, lifted me for a time above myself.

94. The title that best suits the passage would be:-

(A) The Will to Fight
(B) The Miracle of Confronting Danger
(C) The Change of Nature
(D) Courage and Panic

95. A man may react to sudden danger in three different ways. What are they?

(A) He may flee in panic, or fight back or stand still
(B) He may be paralyzed with fear, seized with panic or act like an inferior animal
(C) He may be paralyzed with fear, or seized with panic, or as if by miracle, become possessed of the necessary courage, and face the danger
(D) He may be paralyzed with fear, run away or fight

Only for reference Do not copy

96. What is the meaning of the word debilitating?

(A) Enfeeble
(B) Strengthen
(C) Debase
(D) Thriving

97. Explain the phrase 'gather resolution from danger'.

(A) Find peace in times of difficulty
(B) A state of utter hopelessness makes one determined to face the difficulty
(C) To remain calm and not to lose hope
(D) To be enthusiastic and brave the odds

98. The author feels happy in the recollection of dangers faced and overcome because

(A) They brought him a new experience
(B) They added a new perspective and lifted him above himself for a time
(C) These experiences boosted his confidence
(D) He felt elated as he was alive

Directions (Question No. 99 to 103): In each of the following questions, an incomplete statement followed by some fillers is given.

99. Pick out the best one which can complete the incomplete statement correctly and meaningfully.

He tames animals because he …….

(A) seldom loves them
(B) is afraid of them
(C) is fond of them
(D) hates them

100. Pick out the best one which can complete the incomplete statement correctly and meaningfully.

How much a man earns is as important as ……

(A) when does he do so
(B) how does he do it
(C) where does he earn of all
(D) how well he spends it

Only for reference. Do not copy

101. Pick out the best one which can complete the incomplete statement correctly and meaningfully.

He is so lazy that he ……

(A) always extends help to others to complete their work
(B) dislikes to postpone the work that he undertakes to do
(C) can seldom complete his work on time
(D) can't delay the schedule of completing the work

102. Pick out the best one which can complete the incomplete statement correctly and meaningfully.

Johnny, where are you? ……, up this tree.

(A) Here I am
(B) Here am I
(C) There I am
(D) There am I

103. Pick out the best one which can complete the incomplete statement correctly and meaningfully.

One of you must help me, ……..

(A) Shan't you?
(B) wouldn't you?
(C) won't you?
(D) mustn't you?

104. Choose the word most similar in meaning to the given word.

Condescend

(A) Blame
(B) Resist
(C) Trick
(D) Act Superior

105. Choose the word most similar in meaning to the given word.

Anachronistic

(A) Forceful
(B) Eternal
(C) Powerful
(D) Dangerous

Only for reference. Do not copy

Directions: Read the following passage and answer the questions.

After almost three decades of contemplating Swarovski-encrusted navels on increasing flat abs, the Mumbai film industry is on a discovery of India and itself. With budgets of over 30 crore each, four soon to be released movies by premier directors are exploring the idea of who we are and redefining who the other is. It is a fundamental question which the bling-bling, glam-sham and isham-disham tends to avoid. It is also a question which binds an audience when the lights go dim and the projector rolls: as a nation, who are we? As a people, where are we going? The Germans coined a word for it, zeitgeist, which perhaps Yash Chopra would not care to pronounce. But at 72, he remains the person who can best capture it. After being the first to project the diasporic Indian on screen in Lamhe in 1991, he has returned to his roots in a new movie. Veer Zaara, set in 1986, where Pakistan, the traditional other, the part that got away, is the lover and the savior. In Subhas Ghai's Kisna, set in 1947, the other is the English woman. She is not a memsahib, but a mehbooba. In Ketan Mehta's The Rising, the East India Englishman is not the evil oppressor of countless cardboard characterizations, which span the spectrum from Jewel in the Crown to Kranti, but an honourable friend. This is Manoj Kumar's Desh Ki Dharti with a difference: there is culture, not countentious politics; balle balle, not bombs: no dooriyan (distance), only nazdeekiyan (closeness). All four films are heralding a new hero and heroine. The new hero is fallible and vulnerable, committed to his dharma, but also not afraid of failure – less of a boy and more of a man. He even has a grown up name: Veer Pratap Singh in Veer-Zaara and Mohan Bhargav in Swades. The new heroine is not a babe, but often a bebe, dressed in traditional Punjabi clothes, often with the stereotypical body type as well, as in Bride and Prejudice of Gurinder Chadha.

106. Which word Yash Chopra would not be able to pronounce?

(A) Bling + bling
(B) Zeitgeist
(C) Montaz
(D) Dooriyan

107. Who made Lamhe in 1991?

(A) Subhash Ghai
(B) Yash Chopra
(C) Aditya Chopra
(D) Sakti Samanta

Only for reference. Do not copy

108. Which movie is associated with Manoj Kumar?

(A) Jewel in the Crown
(B) Kisna
(C) Zaara
(D) Desh Ki darti

109. Which is the latest film by Yash Chopra?

(A) Deewar
(B) Kabhi Kabhi
(C) Dilwale Dulhaniya Le Jayenge
(D) Veer Zaara

Directions: Read the following passage and answer the questions.

The superintendence, direction and control of preparation of electoral rolls for, and the conduct of, election to Parliament and State Legislatures and elections to the offices of the President and the Vice-President of India are vested in the Election Commission of India. It is an independent constitutional authority. Independence of the Election Commission and its insulation from executive interference is ensured by a specific provision under Article 324 (5) of the constitution that the chief Election Commissioner shall not be removed from his office except in like manner and on like grounds as a Judge of the Supreme Court and conditions of his service shall not be varied to his disadvantage after his appointment. In C.W.P. No. 4912 of 1998 (*Kushra Bharata* Vs. *Union of India and others*), the Delhi High Court directed that information relating to Government dues owed by the candidates to the departments dealing with Government accommodation, electricity, water, telephone and transport etc. and any other dues should be furnished by the candidates and this information should be published by the election authorities under the commission.

110. The text of the passage reflects or raises certain questions:

(A) The authority of the commission cannot be challenged
(B) This would help in stopping the criminalization of Indian politics
(C) This would reduce substantially the number of contesting candidates
(D) This would ensure fair and free elections

111. According to the passage, the Election Commission is an independent constitutional authority. This is under Article No.

(A) 324
(B) 356
(C) 246
(D) 161

Only for reference. Do not copy

112. Independence of the Commission means:

(A) have a constitutional status
(B) have legislative powers
(C) have judicial powers
(D) have political powers

113. Fair and free election means

(A) transparency
(B) to maintain law and order
(C) regional considerations
(D) role for pressure groups

Only for reference. Do not copy

Direction (Question No. 114 to 116): In the following questions

Choose the word which best expresses the meaning of the given word.

114. Choose the word which best expresses the meaning of the given word.

ASCEND

(A) Leap
(B) Grow
(C) Deviate
(D) Mount

115. Choose the word which best expresses the meaning of the given word.

MAINTAIN

(A) Preserve
(B) Petty
(C) Common
(D) Energetic

116. Choose the word which best expresses the meaning of the given word.

CORPULENT

(A) Lean
(B) Gaunt
(C) Emaciated
(D) Obese

Direction (Question No. 117 to 120): In the following questions

Choose the word which is the exact OPPOSITE of the given words.

117. Choose the word which is the exact OPPOSITE of the given words.

ENORMOUS

(A) Soft
(B) Average
(C) Tiny
(D) Weak

Only for reference Do not copy

118. Choose the word which is the exact OPPOSITE of the given words.

ARTIFICIAL

(A) Red
(B) Solid
(C) Truthful
(D) Natural

Only for reference. Do not copy

119. Choose the word which is the exact OPPOSITE of the given words.

EXPAND

(A) Convert
(B) Condense
(C) Congest
(D) Conclude

120. Choose the word which is the exact OPPOSITE of the given words.

MORTAL

(A) Divine
(B) Spiritual
(C) Immortal
(D) Eternal

Current Affairs in Technology and Business - CUSAT CAT 2021:

121. Which country's space agency has recently approved two Sun-exploration heliophysics missions?

(A) CNSA
(B) ISRO
(C) NASA
(D) ESA

122. Which application has been launched by the External Affairs Ministry to Connect with Indian Diaspora?

(A) GST Rate Finder
(B) Global Pravasi Rishta
(C) mAadhaar
(D) Aaykar Setu

123. Which company inked INR 400 Crore 'Project Parivartan' contract with Hindustan Aeronautics Limited?

(A) Reliance
(B) Tech Mahindra
(C) TATA
(D) Aditya Birla

Only for reference. Do not copy

124. Which payment bank has got the status of Scheduled Commercial bank?

(A) Fino Payments Bank
(B) NSDL Payments Bank
(C) Paytm Payments Bank
(D) India Post Payments Bank

125. The new satellite 'Arktika-M' has been launched by which country to monitor the climate and environment of the Arctic region?

(A) Japan
(B) United States
(C) Russia
(D) France

126. The 'Made-in-India' Aries-Devasthal Faint Object Spectrograph & Camera (ADFOSC) has been commissioned on Devasthal Optical Telescope (DOT). The Telescope is located in which state?

(A) Karnataka
(B) Telangana
(C) Uttarakhand
(D) Delhi

127. Which bank has tied up with WhatsApp to start WhatsApp Banking service?

(A) Axis Bank
(B) HDFC Bank
(C) SBI
(D) Yes Bank

128. The Starship prototype rocket 'SN10' has been successfully launched and tested by which organization?

(A) European Space Agency
(B) Boeing
(C) NASA
(D) SpaceX

129. Who has conducted a successful flight test of Solid Fuel Ducted Ramjet (SFDR) technology?

(A) DRDO
(B) ISRO
(C) NASA
(D) SpaceX

Only for reference. Do not copy

130. CSIR-NIO (Council of Scientific & Industrial Research-National Institute of Oceanography) has launched a 90-day Scientific Cruise Mission to conduct genome and proteome mapping present inside single-cell organisms in the ……

(A) North Pole
(B) Indian Ocean
(C) Bay of Bengal
(D) Antarctica

131. Which bank has launched the dedicated mentoring programme 'SmartUp Unnati', to support women entrepreneurs?

(A) ICICI Bank
(B) Yes Bank
(C) HDFC Bank
(D) Axis Bank

132. Who has established the 'Innovation Sandbox Web Portal'?

(A) RBI
(B) IMF
(C) NSE
(D) BSE

133. The Nobel laureate Paul J. Crutzen passed away on 28 January 2021.
He won the Nobel prize in which field?

(A) Economic Sciences
(B) Chemistry
(C) Physics
(D) Peace

134. Who will replace Jeff Bezos as the CEO of Amazon?

(A) Andy Jassy
(B) Patty Stonesifer
(C) Wendell P. Weeks
(D) Jon Rubinstein

135. Which company has got the world's first consignment of 'carbon-neutral' oil from the United States?

(A) Tata Group
(B) Reliance
(C) HAL
(D) DRDO

Only for reference. Do not copy

136. Which organization will launch the first civilian orbital mission by the end of 2021?

(A) SkyRoot
(B) ISRO
(C) NASA
(D) SpaceX

137. Which company applied for emergency use approval of its single-shot COVID-19 vaccine in the United States?

(A) Novavax
(B) Johnson & Johnson
(C) Sanofi
(D) Merck & Co

138. Which of the following scheme is to promote the electric and hybrid vehicle technology to ensure the growth?

(A) FAME
(B) RISE
(C) NPRT
(D) EAHV

139. The interactive game show named "Confetti" was launched by

(A) Google
(B) Facebook
(C) Microsoft
(D) Apple

140. Which company will close its physical store locations permanently?

(A) IBM
(B) Google
(C) Microsoft
(D) Apple

141. Which Indian company tops in the Forbes' World's Best 'Regarded' Companies list 2019?

(A) Larsen & Toubro
(B) Infosys
(C) TCS
(D) Tata Motors

Only for reference. Do not copy

142. Which stock exchange was the first in Asia?

(A) Bombay Stock Exchange
(B) National Stock Exchange
(C) Shanghai Stock Exchange
(D) Tokyo Stock Exchange

143. Which Indian organization led the Motihari-Amlekhgunj oil pipeline project?

(A) ONGC
(B) Bharat Petroleum
(C) GAIL
(D) IOC

144. The company which become the first Indian Original Equipment Manufacturer (OEM) to meet the BS-VI emission norms.

(A) Ashok Leyland
(B) Maruthi Suzuki
(C) Mahindra
(D) Ford

145. Which of the following is planning to invest in technology start-ups in India?

(A) Google Alphabet
(B) Facebook
(C) Apple
(D) Intel Corp

146. Which bank has launched a range of wearable contactless payment devices under the brand Wear 'N' Pay?

(A) Canara Bank
(B) SBI
(C) Axis Bank
(D) HDFC Bank

147. Which aircraft has recently created history by becoming the first powered controlled aircraft to take flight on Mars?

(A) Insight
(B) Opportunity
(C) Curiosity
(D) Ingenuity

Only for reference. Do not copy

148. ‘Earth-like clouds’ have been found on which of the following planet?

(A) Saturn
(B) Jupiter
(C) Mars
(D) Venus

149. What is ‘*Ooceraea Joshi*’ that is recently on discovered?

(A) New species of bacteria
(B) New species of ant
(C) New Disease
(D) New type of Fungi

150. Who has approved Phase II+III clinical trials of Oxford University-Astra Zeneca COVID-19 vaccine, (COVISHIELD) in India?

(A) DARPG
(B) CSIR
(C) ICMR
(D) DCGI

Only for reference. Do not copy

ANSWER KEY									
Subject Name: 622 M VOC IN TECHNOLOGY AND MANAGEMENT CONSULTING									
SI No.	**Key**	**SI No.**	**Key**	**SI No.**	**Key**	**SI No.**	**Key**	**SI No.**	**Key**
1	B	31	B	61	B	91	D	121	C
2	C	32	C	62	B	92	B	122	B
3	C	33	D	63	D	93	A	123	B
4	A	34	A	64	C	94	B	124	A
5	C	35	B	65	D	95	C	125	C
6	C	36	B	66	C	96	A	126	C
7	C	37	B	67	D	97	B	127	A
8	D	38	A	68	C	98	B	128	D
9	D	39	B	69	A	99	C	129	A
10	D	40	D	70	B	100	B	130	B
11	B	41	B	71	B	101	C	131	C
12	A	42	A	72	D	102	A	132	D
13	B	43	C	73	B	103	D	133	B
14	D	44	D	74	B	104	D	134	A
15	C	45	C	75	D	105	B	135	B
16	B	46	D	76	C	106	B	136	D
17	A	47	B	77	A	107	B	137	B
18	C	48	A	78	C	108	D	138	A
19	A	49	B	79	B	109	D	139	B
20	D	50	B	80	B	110	D	140	C
21	D	51	C	81	A	111	A	141	B
22	B	52	A	82	B	112	A	142	A
23	A	53	B	83	B	113	B	143	D
24	D	54	C	84	D	114	D	144	A
25	A	55	B	85	C	115	A	145	B
26	A	56	B	86	D	116	D	146	C
27	C	57	C	87	B	117	C	147	D
28	C	58	C	88	C	118	D	148	C
29	A	59	D	89	C	119	B	149	B
30	A	60	A	90	A	120	C	150	D

Only for reference. Do not copy.