Entrance Exam

2024



QUESTION PAPER

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MVOC CONSULTANCY MANAGEMENT

1. Which of the following is equal to 33×11

(A) $33\times1+11\times3$
(B) $33\times5+11\times6$
(C) $11\times30+33\times3$
(D) $11\times22+11\times11$

2. Which of the following fraction is less than $\frac{8}{9}$ and greater than $\frac{1}{3}$

(A) $\frac{3}{4}$
(B) $\frac{1}{4}$
(C) $\frac{2}{7}$
(D) $\frac{11}{12}$

3. The speed of the boat in still water is 25 kmph and the rate of current is 5 kmph. The distance traveled downstream in 10 minutes is

(A) 6 km
(B) 5 km
(C) 10 km
(D) 12 km

4. If 65 % of the participants in a survey is male and the number of female participants is 245, the number of male participants is

(A) 700
(B) 490
(C) 455
(D) 375

5. The average weight of 8 persons decreases by 5 kg when one of them weighing 85 Kg is replaced by a new man weighing ……. kg

(A) 45
(B) 40
(C) 80
(D) 8

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6. The price of petrol increases by 25%. By what percentage must a customer reduce the consumption so that the earlier bill on the petrol does not alter?

(A) 20%
(B) 25%
(C) 30%
(D) 33.33%

7. How many odd numbered pages are there in a book of 5427 pages?

(A) 2715
(B) 2714
(C) 2713
(D) 2717

8. If today is Monday, after 61 days it will be ……..

(A) Wednesday
(B) Thursday
(C) Tuesday
(D) Saturday

9. When A knows that the integer is greater than 12 and less than 17 and B knows that the integer is greater than 15 and less than 20. The integer

(A) may be either of two values
(B) may be any of three values
(C) can be exactly determined
(D) is infeasible

10. The average of six consecutive odd numbers is 30. The largest of these numbers is

(A) 37
(B) 35
(C) 33
(D) 34

11. The sides of a triangle are in the ratio of 2:3:4 and its perimeter is 45 cm. The length of the smallest side is

(A) 12 cm
(B) 15 cm
(C) 10 cm
(D) 9 cm

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12. When an error of 10% is made in the length and breadth of a rectangle, the percentage error (%) in the area of a rectangle will be

(A) 10
(B) 20
(C) 15
(D) 21

13. If the ratio of two numbers is 5 : 9 and their difference is 112, the smaller number is

(A) 125
(B) 128
(C) 140
(D) 160

14. If sale value of 40 items is same as the cost value of 50 items, then there is a

(A) loss of 25 %
(B) loss of 20 %
(C) gain of 20 %
(D) gain of 25 %

15. The sum of 1, 2, 3 …. 25

(A) 325
(B) 650
(C) 450
(D) 250

16. The average of three numbers is 70. The second number is twice the first. The third number is twice the second. What is the second number?

(A) 40
(B) 60
(C) 80
(D) 50

17. In an auditorium, $3/5^{th}$ of the seats were occupied by adult male and $1/8^{th}$ by adult female and remaining by children. What is the percentage of children in the auditorium?

(A) 25.5 %
(B) 26.5 %
(C) 27.5 %
(D) 28.5 %

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18. Choose the one which is different from the rest three?

(A) 69
(B) 59
(C) 49
(D) 39

19. Based on following numbers

79, 81, 76, 78, 81, 79, 75, 78, 78, 79, 79, 81, 76, 76, 81, 79, 79, 76, 78, & 79

Find the Mean?

(A) 78
(B) 78.4
(C) 78.8
(D) 79

20. Based on following numbers

79, 81, 76, 78, 81, 79, 75, 78, 78, 79, 79, 81, 76, 76, 81, 79, 79, 76, 78, & 79

Find the Median?

(A) 76
(B) 78
(C) 79
(D) 77

21. Based on following numbers

79, 81, 76, 78, 81, 79, 75, 78, 78, 79, 79, 81, 76, 76, 81, 79, 79, 76, 78, & 79

Find the Mode?

(A) 75
(B) 76
(C) 78
(D) 79

22. The next number in the series 3, 7, 13, 27, 53, ?

(A) 70
(B) 105
(C) 107
(D) Cannot predict

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23. The next number in the series 1, 1, 2, 3, 5, **?**

(A) 7
(B) 8
(C) 9
(D) 10

24. Which of the following terms will replace the question mark (**?**) in the given series.

$$\frac{5}{3}, \frac{7}{6}, \mathbf{?}, \frac{14}{24}\ \frac{19}{48}, \frac{25}{96}$$

(A) $\frac{9}{9}$
(B) $\frac{11}{9}$
(C) $\frac{10}{12}$
(D) $\frac{11}{12}$

25. In a class, average height of 60 boys is 5.5 ft. and that of 40 girls is 5ft. Find the average height of all in the class?

(A) 5.25 ft
(B) 5.3 ft
(C) 5.15 ft
(D) 5.4 ft

26. If A can do the work in 12 days and B can do the work in 36 days, how many days it will take, if A and B jointly do the work?

(A) 24
(B) 15
(C) 9
(D) 6

27. If 12 pumps working 6 hours a day can empty a reservoir in 15 days, how many similar pumps working 9 hours a day will empty the same reservoir in 12 days?

(A) 8
(B) 10
(C) 12
(D) 14

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28. A contractor undertook to complete a project in 90 days and employed 60 men on it. After 60 days, he found that 3/4th of the work regarding the project had been completed. How many men can be discharged so the project may be finished in time?

(A) 40
(B) 30
(C) 20
(D) 10

29. A train having a length of 700 m crossed a bridge of 1.5 kms. How much distance the train has travelled

(A) 700 m
(B) 1500 m
(C) 2000 m
(D) 2200 m

30. A and B are starting from a same place. Speed of A in north direction is 55 kmph. Speed of B in north direction is 60 kmph. What is the distance between A and B after 1.5 Hrs?

(A) 7.5 km
(B) 15 km
(C) 115 km
(D) 172.5 km

31. Find the solution Y = 7 – (8 / (3/4 – 1/4)) + 0.5 of (6 X 3 + 2)

(A) 8
(B) – 8
(C) – 1
(D) 1

32. Which of the following could not be divided by 11 without remaining?

(A) 111111
(B) 121121
(C) 121212
(D) 123123

33. Find the value of 123456 × 9999?

(A) 1234569999
(B) 1234436544
(C) 1234543219
(D) 1234563544

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34. If 5 = 29, 7 = 55, 8 = 71, 20 = ?

(A) 289
(B) 408
(C) 429
(D) 419

35. In a certain class the first mark was 67 and the last was 32 and by mistake these were written as 76 and 23. Then the average marks of the class is

(A) Increased by 9
(B) Decreased by 9
(C) Not changed
(D) Data Insufficient

36. Sum of first 30 odd numbers

(A) 465
(B) 900
(C) 930
(D) 650

37. In a class of 20 students the average age is 12 years. By the inclusion of the teacher's age the average age increases by 2 years. What is the age of the teacher?

(A) 48
(B) 50
(C) 54
(D) 60

38. Successive discounts of 10% and 20% is equivalent to a single discount of

(A) 30
(B) 72
(C) 28
(D) 70

39. If a person pays tax at 5 paise a rupee, and paid a tax of Rs. 324, what is the taxed amount in Rupees?

(A) 6480
(B) 64800
(C) 64.8
(D) 648

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40. A candidate scoring 25% in an examination fails by 30 marks while another candidate who score 50% marks gets 20 marks more than the minimum required for a pass. Total marks & Pass mark are

(A) 100 & 50
(B) 100 & 40
(C) 200 & 100
(D) 200 & 80

41. Average age of a group of 30 boys is 16 years. A boy of age 19 leaves the group and a new boy joins the group. If the new average age of the group is 15.8 years, find the age of the new boy

(A) 12 years
(B) 13 years
(C) 14 years
(D) 15 years

42. In a Company the average income of all the employees is ₹20000 per month. Recently the company announced increment of ₹2000 per month for all the employees. The new average income of all the employees is?

(A) ₹22000
(B) ₹24000
(C) ₹28000
(D) None of these above

43. A sum of ₹395 was divided among X, Y and Z in such a way that Y gets 25% more than X and 20% more than Z. What is the share of X ?

(A) ₹195
(B) ₹180
(C) ₹98
(D) ₹120

44. The value of a machine depreciates at the rate of 10% every year. It was purchased 3 years ago. If its present value is ₹8748, its purchase price was

(A) ₹10000
(B) ₹12000
(C) ₹14000
(D) ₹16000

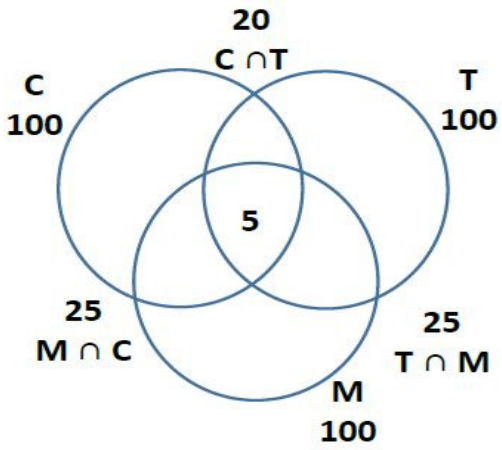
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45. In a hotel room are numbered from 201 to 230. Each room gives an earning of ₹3000 for the first fifteen days of the month and for the latter half, ₹2000 per room. Find the average earning per room per day over the month

(A) ₹2250
(B) ₹2750
(C) ₹2500
(D) ₹ 2466.66

Direction: Study the following diagram and answer the question given below

Based on the survey among 310 people on their preference to drink Coffee (C), Tea (T), and Milk (M) the intersecting circles are drawn.



46. Number of people who prefer only coffee

(A) 100
(B) 50
(C) 55
(D) 60

47. Number of people who prefer only Milk

(A) 100
(B) 50
(C) 55
(D) 60

48. Number of people who prefer Tea and Milk but not Coffee

(A) 20
(B) 25
(C) 135
(D) 115

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49. Number of people who prefer Coffee or Tea, irrespective of their preference to Milk

(A) 185
(B) 180
(C) 120
(D) 175

50. Number of people who prefer either one drink

(A) 300
(B) 230
(C) 235
(D) 290

51. Number of people who prefer no drink

(A) 10
(B) 20
(C) 75
(D) 80

Direction: Study the following table showing the admission in an online program and answer the question given below

Year	Admissions		Total
	Male	Female	
2019	250	225	475
2020	300	300	600
2021	375	400	775
2022	475	525	1000
2023	600	675	1275

52. What is the percentage of increase in admission of Male in the year 2021 comparing to 2020?

(A) 20
(B) 25
(C) 50
(D) 75

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53. What could be the projected admission in 2024, if the same trend is continued?

(A) 1500
(B) 1550
(C) 1600
(D) 1650

54. At which year the percentage of increase in admission of Male start decreasing comparing to the percentage of increase in previous year

(A) 2020
(B) 2021
(C) 2022
(D) 2023

55. At which year the percentage of increase in total admission start decreasing comparing to the percentage of increase in previous year

(A) 2020
(B) 2021
(C) 2022
(D) 2023

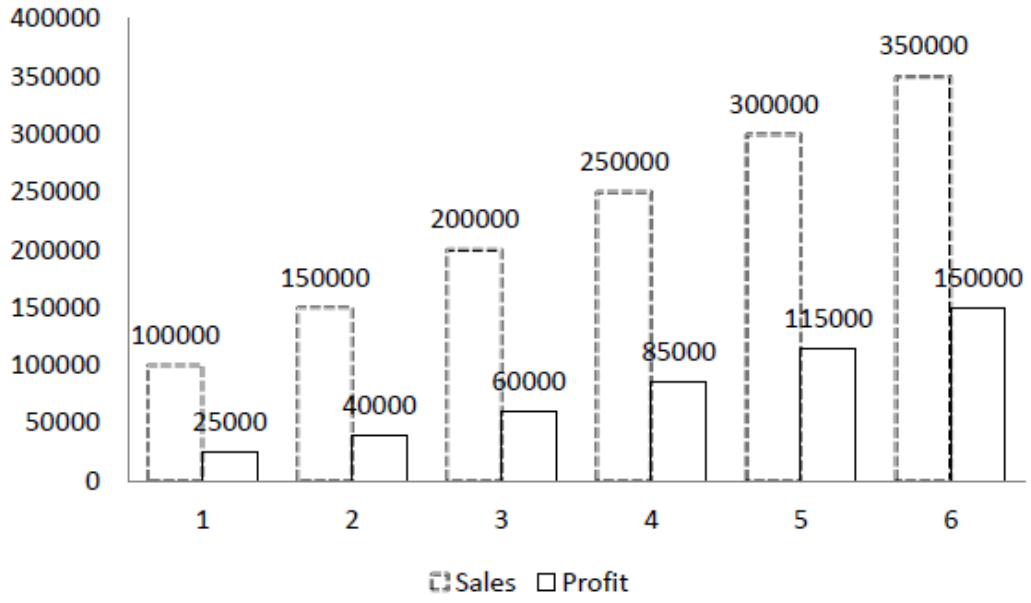
56. Statement 1: Year by year increase in admission of Male is increasing
Statement 2: Year by year increase in admission of Female is increasing

Choose the correct alternative from the following?

(A) Statement 1 is correct and Statement 2 is wrong
(B) Statement 1 is wrong and Statement 2 is correct
(C) Statement 1 is wrong and Statement 2 is wrong
(D) Statement 1 is correct and Statement 2 is correct

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Direction: The given question is based on the following chart showing sales and profit of a company.



57. What is the percentage of profit in the 3rd year?

(A) 60
(B) 50
(C) 40
(D) 30

58. What is the increase in percentage of profit in 3rd year comparing to 1st year

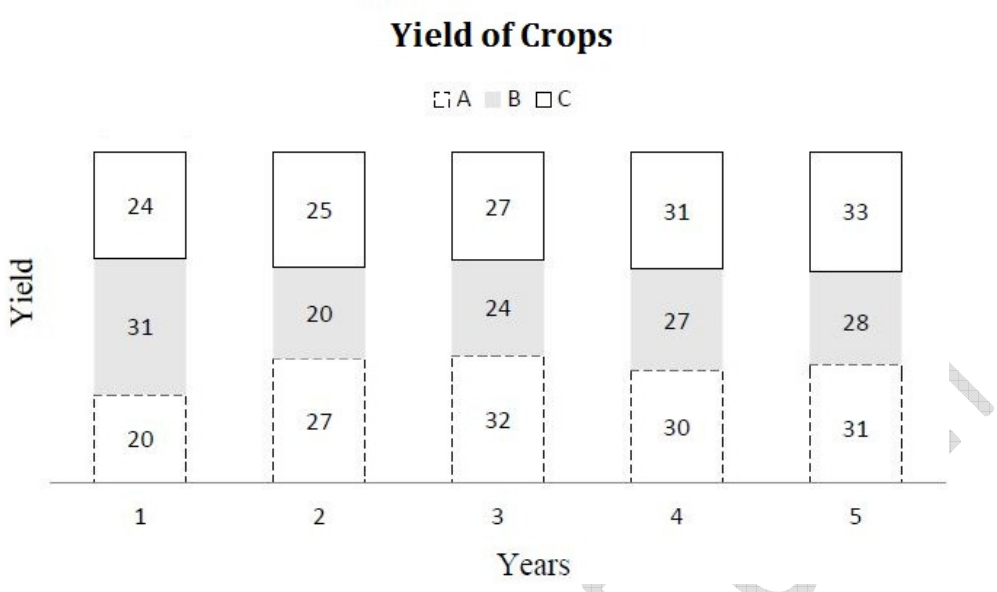
(A) 5
(B) 6
(C) 10
(D) 15

59. What is the percentage of increase in sales at 5th year comparing to 4th year?

(A) 50000
(B) 25
(C) 20
(D) 15

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Direction: The given question is based on the following chart showing yield (in kgs) of three crops (A, B, & C) in 5 years



60. Which Crop/s has given highest yield altogether?

(A) A & B
(B) B & C
(C) A & C
(D) All crops yield the same amount

61. Which year the yield is highest?

(A) 2
(B) 3
(C) 4
(D) 5

62. Which Crop has given highest percentage of yield in any given year?

(A) A
(B) B
(C) C
(D) All crops yield the same amount

63. If PARTY is coded as YTRAP, how HIMALAYAN will be coded?

(A) NAYALAIMH
(B) NAYLAMAIH
(C) NAYALMAIH
(D) NAYALAMIH

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64. In a certain code, BANANA is written as 33 and APPLE as 50. In this code ORANGE is written as:

(A) 58
(B) 61
(C) 60
(D) 59

65. Biju is the son of Akash, Mohan is the son of Mala, Biju is married to Lalitha, Lalitha is the daughter of Mahesh. Mahesh is the Husband of Mala. How is Biju related to Mohan?

(A) Brother
(B) Sister
(C) Brother-in-Law
(D) Sister-in-Law

66. B is Spouse of A. C is Son of A. E is Father of F. D is Daughter of A. B is sister of G. F is Spouse of D. How is A related to F?

(A) Uncle
(B) Father-in-Law
(C) Mother-in-Law
(D) Aunt

67. There are five boys in a queue A, B, C, D, and E. The C stands just before D. E is next to A. B is next to E and the last boy. Which is in the middle?

(A) A
(B) C
(C) D
(D) E

68. On January 01, 2024 is Monday. The day of the week on January 01, 2023 is

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

69. Fill in the blanks

I went to store for buying …….

(A) Sancks
(B) Snaks

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(C) Snacks
(D) Snacs

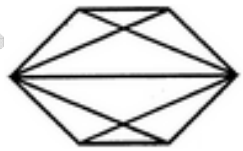
70. Nirmal started walking towards west. Which of the sequence of turns will not lead him to the same direction

(A) Right, Left, Left, Right, Left, Right
(B) Left, Left, Left, Right, Right, Left
(C) Left, Left, Right, Left, Right,Right
(D) Right, Right, Left, Left, Left, Right

71. "A" faces north and walks 3 kms. Then turning to his right he walks 5 kms. He again turns to his right and moves 3 kms. Further he turns to his right and walks 4 kms. How far is "A" from his starting Point?

(A) 1 km
(B) 2 kms
(C) 3 kms
(D) No distance

72. Find the number of quadrilaterals in the given figure



(A) 6
(B) 7
(C) 9
(D) 11

73. Find the missing Term

QAR, RAS, SAT, TAU, ……..

(A) UAV
(B) UAT
(C) TAS
(D) TAT

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74. **Direction:** The question below consists of a main statement followed by four options A, B, C & D. Select the one that logically follows the main statement.

If Sony leaves his job, then he will join for a M.Voc course or for a MBA Course

(A) Sony has joined neither a M.Voc course nor a MBA course, implies that he has not left his job
(B) Sony has not left his job, implies that he will not join a M.Voc course or he will not join a MBA course
(C) Sony has joined a M.Voc course or a MBA course, implies that he has not left his job
(D) Sony has not left his job, implies that he will not join a M. Voc course and he will not join a MBA course

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75. **Direction**: Read the data given below carefully and then answer the question that follows:

A, B, and C are three speakers at a function seated on the dais facing two semicircular tables one behind the other at which the media persons P, Q, R, S, T and U sit, three in each row. P and R are not at the same table

R is at one end of the second semicircular table
S sits behind P who is facing A on the dais
Q sits behind U who is exactly opposite B, who is not at the ends, on the dais

Who are the three persons seated at the second semi circular table?

(A) S, Q and R
(B) S, P and U
(C) S, T and U
(D) S, Q and T

Direction: (Question No. 76 & 77) 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
2014	760	-	1200	-	880	-	1160	-	820	-
2015	280	120	272	120	256	104	200	100	184	96
2016	179	92	240	128	240	120	224	104	152	88
2017	148	88	236	96	208	100	248	96	196	80
2018	160	72	256	100	192	112	272	88	224	120
2019	193	96	288	112	248	144	260	92	200	104

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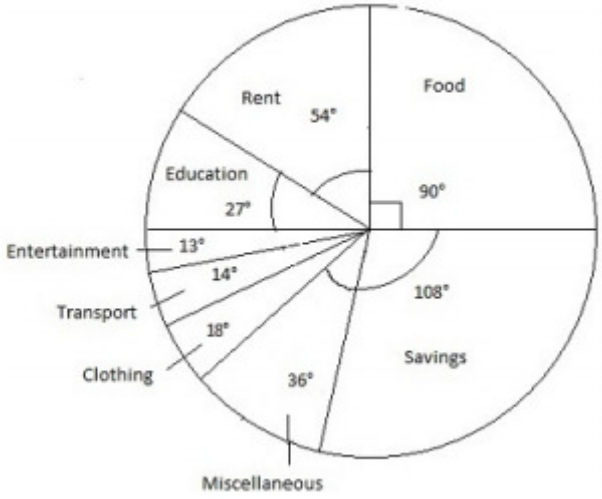
76. What is the difference between the total number of Technicians added to the Company and the total number of Accountants added to the Company during the years 2015 to 2019?

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

77. During the period between 2014 and 2019, the total number of Operators who left the Company is what percent of total number of Operators who joined the Company?

(A) 19%
(B) 21%
(C) 27%
(D) 29%

78. **Direction:** The pie chart, given below shows monthly expenses on various heads and savings of the family of Mr. Rao. Study the chart and answer the questions based on it.



If the total income of Mr.Rao is ₹72000, how much house rent does he pay ?

(A) ₹5400
(B) ₹9000
(C) ₹10800
(D) ₹12000

Direction: (Question No. 79 & 80) Study the table carefully and answer the questions given below:

Loans disbursed by five banks over the years (in crores of rupees)

Banks	Years				
	2015	2016	2017	2018	2019
U	18	23	45	30	70
V	27	33	18	41	37
X	29	29	22	17	11
Y	31	16	28	32	43
Z	13	19	27	34	42
Total	118	120	140	154	203

79. In which year the disbursement of loans was least as compared to the average disbursement of loans over the years?

(A) 2015

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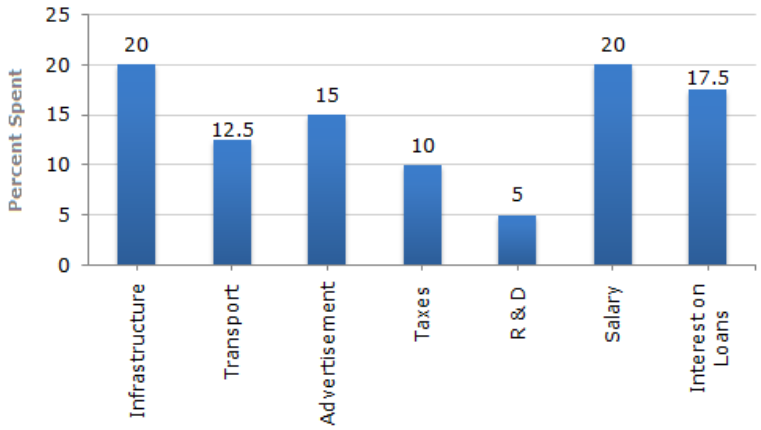
(B) 2016
(C) 2017
(D) 2018

80. What was the percentage increase of disbursement of loans of all banks taken together in 2017 and 2018?

(A) 4
(B) 6
(C) 8
(D) 10

Direction: (Question Nos. 81 to 83) The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003.

Percentage Distribution of Total Expenditure of a Company



81. If the interest on loans amounted to ₹2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is?

(A) ₹7 crores
(B) ₹5.4 crores
(C) ₹4.2 crores
(D) ₹3 crores

82. The expenditure on the interest on loans is by what percent more than the expenditure on transport?

(A) 5%
(B) 10%
(C) 20%
(D) 40%

83. What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?

(A) 5:4
(B) 8:7
(C) 9:7
(D) 13:11

84. Find the synonym for 'Rescue'

(A) Shave
(B) Realize
(C) Fetter
(D) Liberate

85. Which is **not** an antonym for 'Lenient'

(A) Strict
(B) Inhumane
(C) Vicious
(D) Tolerant

86. Bud : Flower : : Sapling:

(A) Seed
(B) Fruit
(C) Plant
(D) Garden

87. Which is an antonym for **DISAGREE**?

(A) Swerve
(B) Consent
(C) Encounter
(D) Against

88. Which is a synonym for **REGRET**?

(A) Pleasant
(B) Happy
(C) Sorry
(D) Guilt

89. Fill in the blanks

Tilak prefers car …….. bike for long travel

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(A) from
(B) for
(C) to
(D) but

90. Find the error portion in the following statement

Dogs/ always/ barks/ at strangers

(A) Dogs
(B) always
(C) barks
(D) at strangers

91. Find the error portion in the following statement

Children/ repeat/ what they/ seen

(A) Children
(B) repeat
(C) what they
(D) seen

92. Find the CORRECT sentence

(A) The load is too heavy to lift
(B) The load is to heavy to lift
(C) The load is too heavy for lift
(D) The load is to heavy for lift

93. Find the CORRECT sentence

(A) He is uncapable of doing job of managing employees
(B) He is incapable of doing the job of managing employees
(C) He is uncapable of doing the job of managing employees
(D) He is an incapable of doing job of managing employees

94. Find the Antonym for '**Beauty**'

(A) Good looks
(B) Loveliness
(C) Obnoxious
(D) Rapture

95. Find the odd one

(A) Propose
(B) Project

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(C) Price
(D) Proper

96. Find the WRONG one

(A) Boys
(B) Puppies
(C) Shoes
(D) Shelfs

Direction :(**Question No. 97 to 101)** Read the passage given below and answer.

Employees working in various types of organisations are not usually motivated to produce the level of outcome expected out of them. Employees in each and every level require motivation in the form of money and its equivalent or respect / recognition and its equivalent. Most of the firms have employee motivational programme of one sort or the other. Employees feel motivated even by getting training on new technology. Consistent performance appraisal followed by the implementation of intrinsic or extrinsic rewards encourage the employees for improving their performance. Rewards and employee welfare schemes implemented in the organisation help the organisation in the retention of performing employees. Most of the organisations attempt to satisfy their employees, as the image of the organisation depends on the perception of the employee too.

97. The writer holds the view that

(A) Organisations must keep all employees satisfied
(B) Organisation depends on cash prizes to employees to motivate them
(C) Training is necessary to increase the production
(D) Perception of employees also affects organisational image

98. Employees retention can be done through

(A) Rewards and welfare measures
(B) Welfare measures only
(C) Rewards only
(D) Training only

99. Which of the following is CORRECT?

(A) No employee is self-motivated
(B) If not motivated, employees will leave the organisation
(C) Appreciation in public is also a motivation
(D) Welfare measures are given only to performing employees

100. From the passage what are the bases for employees' perception

(A) Intrinsic and extrinsic rewards
(B) Salary

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(C) Motivation
(D) Encouragement

101. Which word in the passage is equivalent to 'Reconcilable'?

(A) Motivation
(B) Reward
(C) Consistent
(D) Perception

102. **Direction:** The given question has two sentences with one blank each. Choose the appropriate option that can fit in the blanks of both sentences.

(i) His unique qualities of leadership and ……. won him the spontaneous love and loyalty of his countrymen.

(ii) While many of his colleagues thought he was stupid, the new recruit's …….. allowed him to prove them wrong.

(A) tolerance
(B) benevolence
(C) cognizance
(D) sagacity

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103. **Direction:** The given question has two sentences with one blank each. Choose the appropriate option that can fit in the blanks of both sentences.

(i) Jonas was disliked by many because they considered him to be …… and opinionated.

(ii) A female colleague said that she rented an apartment on her own because her aunt, with whom she had been staying in the city, is ……. and does not allow her to attend parties or wear modern clothes.

(A) complacent
(B) priggish
(C) sentient
(D) innocuous

Direction (Question No. 104 to 108): Rearrange the following sentences to form a meaningful paragraph and based on that, answer the questions that follow.

A. They were mainly concerned about the disillusionment of the people regarding industrial revolution.
B. Victorian novels flourished because of the ill-effects of industrial revolution.
C. This class struggle fed the novelists with enough to come up with literary compositions which made this age one of the most prolific ones regarding literature.
D. As the industrial revolution brought with it a whole new labour class, their dreams and aspirations created an opportunity for these novelists to pen down their thoughts.
E. Because of this division labour class got agitated as they were not getting the returns on their capital i.e., labour.
F. But why was this disillusion there when industrial revolution brought more money in the hands of the people.
G. That is because of the unequal distribution of the resources which gave rise to different classes.

104. Which of the following is the **SECOND** sentence after the rearrangement?

(A) B
(B) C
(C) D
(D) E

105. Which of the following is the **LAST** sentence of the new arrangement?

(A) C
(B) E
(C) G
(D) A

106. Which of the following is the **FIFTH** sentence after the new arrangement?

(A) E
(B) A
(C) C
(D) G

107. Which of the following is the **FIRST** sentence of the new arrangement?

(A) A
(B) B
(C) C
(D) D

108. Which of the following is the **THIRD** sentence after the rearrangement?

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(A) A
(B) C
(C) F
(D) D

109. Choose the word that does not belong to the group.

(A) Succinct
(B) Terse
(C) Circumlocutory
(D) Brief

110. Choose the word that does not belong to the group.

(A) Debutante
(B) Decent
(C) Debonair
(D) Decadent

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Direction : Read the following passage carefully and answer the questions given below it. Certain words /phrases have been printed in bold to help you locate them while answering some of the questions.

Some inventions, like some species, seem to make periodic leaps in progress. The car is one of them. Twenty-five years elapsed between Kari Benz beginning small-scale production of his original Motorwagen and the breakthrough, by Henry Ford and his

engineers in 1913, that turned the car into the **ubiquitous**, mass-market item that has defined the modem urban landscape. By putting production of the Model T on moving assembly lines set into the floor of his factory in Detroit, Ford drastically cut the time needed to build it, and hence its cost. Thus began a revolution in personal mobility. Almost a billion cars now roll along the world's highways.

Today the car seems poised for another **burst of evolution**. One way in which it is changing relates to its emissions. As emerging markets grow richer, legions of new consumers are clamouring for their first set of wheels. For the whole world to catch up with American levels of car ownership, the global fleet would have to quadruple. Even a fraction of that growth would present fearsome challenges, from congestion and the price of fuel to pollution and global warming.

Yet, as our special report this week argues, stricter regulations and smarter technology are making cars cleaner, more fuel- efficient and safer than ever before. China, its cities choked in smog, is following Europe in imposing curbs on emissions of **noxious** nitrogen oxides and fine soot particles. Regulators in most big car markets are demanding deep cuts in the carbon dioxide emitted from car exhausts. And carmakers are being remarkably inventive in finding ways to comply.

Granted, battery-powered cars have disappointed. They remain expensive, lack range and are sometimes dirtier than they look-for example, if they run on electricity from coal-fired power stations. But car companies are investing heavily in other **clean technologies**. Future motorists will have a widening choice of super-efficient petrol and diesel cars, hybrids (which switch between batteries and an internal-combustion engine) and models that run on natural gas or hydrogen. As for the purely electric car, its time will doubtless come.

Meanwhile, a variety of "driver assistance" technologies are appearing on new cars, which will not only take a lot of the stress out of driving in traffic but also prevent many accidents. More and more new cars can reverse-park, read traffic signs, maintain a safe distance in steady traffic and brake automatically to avoid crashes. Some carmakers are promising technology that detects pedestrians and cyclists, again overruling the driver and stopping the vehicle before it hits them. A number of firms, including Google, are busy trying to take driver assistance to its logical conclusion by creating cars that drive themselves to a chosen destination without a human at the controls. This is where it gets exciting.

Sergey Brin, a co-founder of Google, predicts that driverless cars will be ready for sale to customers within five years. That may be optimistic, but the prototypes that Google already uses to ferry its staff (and a recent visitor from The Economist) along Californian freeways are impressive. Google is seeking to offer the world a driverless car built from scratch, but it is more likely to evolve, and be accepted by drivers, in stages.

If and when cars go completely driverless, the benefits will be enormous. Huge numbers of elderly and disabled people could regain their personal mobility. The young will not have to pay crippling motor insurance, because their reckless hands and feet will no

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longer touch the wheel or the accelerator. Driverless cars should also ease congestion and save fuel. Computers brake faster than humans.

If the notion that the driverless car is round the corner sounds **far-fetched**, remember that TV and heavier-than-air flying machines once did, too. One day people may wonder why earlier generations ever entrusted machines as dangerous as cars to operators as fallible as humans.

111. What according to the author contributed to the production of cost-effective cars in the 'Fordian times'?

(A) The assembly lines were set well.
(B) There was small scale production in the factory itself.
(C) Assembly lines speeded up the process of production
(D) Modern urban living resulted in more demand for cars

112. The phrase 'burst of evolution' in the context refers to

(A) Safer drive
(B) Less pollution
(C) Comfortable drive
(D) Easier to handle

113. In the context, by clean technologies' the author refers to:

1. Neat outlay of highways
2. Lessened emissions
3. Efficient petrol consumption

(A) (1) and (2)
(B) Only (1)
(C) Only (2)
(D) (1), (2) and (3)

114. Who will benefit if and when cars turn driverless?

(A) Children
(B) Adults
(C) The elite

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(A) (A), (B) and (C)
(B) Only (A)
(C) Only (B)
(D) (B) and (C)

115. The author believes that a driverless car is quite plausible in future because

(A) Unimaginable concepts have come true.
(B) Technology is not deceptive.
(C) Changes happen for the better.
(D) Mankind is ambitious.

Direction : Read the following passage carefully and answer the questions given below it.

For too long, humankind has taken for granted the antibiotics that have held dangerous germs at bay. It was only about 70 years ago that penicillin, the world's first antibiotic, came into widespread use and revolutionised medicine. Its discoverer, Alexander Fleming, who won the Nobel Prize for his work, presciently warned that disease-causing organisms would become resistant if the drug was improperly used. And that is just what has transpired. Although more antibiotics were subsequently discovered, these drugs have been given with such profligacy that pathogens resistant to them have evolved and spread with alarming rapidity. 'Superbugs' resistant to almost all antibiotics have become a problem, raising worries of a return to the bad old days if much greater care was not exercised when prescribing existing drugs and sufficient encouragement for finding new ones was lacking. Now, with its first global report on antimicrobial resistance, the World Health Organization has added its voice to the chorus of concern. The report has documented how bacterial resistance to antibiotics, including those of last resort, is a major health issue confronting all regions of the world. Without urgent, coordinated action, "the world is headed for a post-antibiotic era in which common infections and minor injuries, which have been treatable for decades, can once again kill.

For India preventing antibiotic resistance from spiraling has to be a matter of urgency. Halting the indiscriminate use of antibiotics is vital. The Union Government has taken an important first step in that direction by introducing a stringent rule that prohibits medical stores from selling 24 key antibiotics without a doctor's prescription. Much more needs to be done, including getting doctors to prescribe antibiotics only when essential. Hospitals must pay attention to proper infection control. In a country so large and populous, with widely differing levels of healthcare reach, curbing the rise of antibiotic resistance is not easy. But it must be done.

116. Why does the author believe that we might return to' bad old days'?

(A) Because we used the antibiotics for 70 years.
(B) As antibiotics were used extensively.
(C) Alexander Flemming had predicted it.
(D) As antibiotics were used indiscriminately.

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117. The World Health Organization was the one to

(A) first predict the future scenario.
(B) confront the issue.
(C) echo its concern.
(D) help prevent antibiotic resistance.

118. Which one of the following words is the synonym of the word 'profligacy' as it is used in the passage?

(A) excess
(B) caution
(C) control
(D) perfection

119. The author's tone in the passage carries a sense of

(A) empathy
(B) urgency
(C) annoyance
(D) duplicity

120. In the post-antibiotic period this is possible that

(A) doctors will not prescribe antibiotics.
(B) common ailments can be fatal.
(C) medical stores will not sell antibiotics.
(D) simple treatment will be required for minor ailments

121. World's first GST calculator was launched by which of the following company?

(A) Armani
(B) Casio India
(C) Tissot
(D) Festina

122. Which among the following treaty founded the Euro Currency?

(A) Maastricht Treaty
(B) Merger Treaty
(C) Amsterdam Treaty
(D) Lisbon Treaty

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123. Number of bits used by the IPv6 address

(A) 32
(B) 64
(C) 128
(D) 256

124. Firewall in computer is used for

(A) Data Transmission
(B) Security
(C) Monitoring
(D) Authentication

125. National Productivity Day is celebrated on which date?

(A) 9th February
(B) 10th February
(C) 11th February
(D) 12th February

126. …….. are used to identify a user who returns to a website

(A) Cookies
(B) Plug-ins
(C) Scripts
(D) ASPs

127. What technology does the gene therapy for cancer use?

(A) CAR-R
(B) CAR-N
(C) CAR-T
(D) CAR-P

128. Which Indian Enterprise used the slogan - Improving the quality of Life?

(A) Reliance
(B) TATA
(C) Birla
(D) ITC

FOR REFERENCE ONLY

129. Which was the first private sector bank in India?

(A) Catholic Syrian Bank
(B) City Union Bank
(C) Nedungadi Bank
(D) Nainital Bank

130. Which one of the following sectors has attracted the highest foreign direct investment inflows into India during last one decade?

(A) Chemicals other than Fertilizers
(B) Service Sector
(C) Food Processing
(D) Telecommunications

131. One of the best solutions to get rid of non-biodegradable wastes is

(A) Burning
(B) Dumping
(C) Burying
(D) Recycling

132. Which country has developed the world-first floating nuclear plant?

(A) India
(B) China
(C) USA
(D) Russia

133. Four type of Corporate Social responsibility include:

(A) Environmental, Philanthropic, Economic, and Ethical
(B) Ethical, Moral, Social and Economic
(C) Philanthropic, Justice, Economic and Ethical
(D) Legal, Moral, Ethical and Economic

134. RTGS means

(A) Regular Transfer and Gross Settlement
(B) Real Time Gross Settlement
(C) Real Transfer and Gross Settlement
(D) Regular Time Gross Settlement

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135. UPI means

(A) Unified Payments Intermedium
(B) Unified Payments Interface
(C) United Payments Interface
(D) United Payments Intermedium

136. NDTV is taken over by

(A) TATA Group
(B) Reliance Group
(C) Kingfisher Group
(D) Adani Group

137. Golden Peacock award is given for

(A) Business Growth and Profit Excellence
(B) Innovation and Corporate Leadership
(C) Corporate Leadership and Institutional Excellence
(D) Institutional Growth and Leadership

138. A technology that leverages the computers and machines to mimic the problem solving and decision making of a human mind

(A) Digital Technology
(B) Artificial Intelligence
(C) Cloud Computing
(D) Block Chain

139. Which could not be an application of Internet of Things?

(A) Waste Management
(B) Personal Hygiene
(C) Precision Farming
(D) Livestock Monitoring

140. MSME means

(A) Micro, Small and Medium Enterprises
(B) Micro Startup and Medium Enterprises
(C) Micro Startup and Medium Exporters
(D) Micro, Small and Medium Exporters

FOR REFERENCE ONLY

141. Which country has Sri Lanka recently signed a Free Trade Agreement during the first week of February 2024

(A) China
(B) Thailand
(C) Vietnam
(D) Indonesia

142. ICICI means

(A) Industrial Credit and Investment Corporation of India
(B) Investment Credit and Innovation Corporation of India
(C) Innovation and Credit Investment Corporation of India
(D) Industrial Credit and Innovation Corporation of India

143. What is the maximum duration of stay permitted in India by foreigner in tourist visa?

(A) 100 days
(B) 90 days
(C) 180 days
(D) 215 days

144. Which of the following country is a non-member in OECD and having working relationship?

(A) United States
(B) India
(C) United Kingdom
(D) Japan

145. Which of the following is not a social media?

(A) X
(B) Facebook
(C) Netflix
(D) LinkedIn

146. ADITYA – L1 is a mission of

(A) Aditya – Brila Group for space research
(B) ISRO for studying SUN
(C) GoI for studying Land reforms
(D) ISRO to analyse Chandrayan's performance

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147. NIRF means

(A) National Institutional Rating Framework
(B) National Institutional Ranking Framework
(C) National Institute-wise Rating Framework
(D) National Institute-wise Ranking Framework

148. WPAN means

(A) Wired Plain Area Network
(B) Wireless Plain Area Network
(C) Wired Personal Area Network
(D) Wireless Personal Area Network

149. The capability of machines to imitate intelligent human behaviour

(A) Internet of Things
(B) Numerical Machines
(C) Robotics
(D) Machine learning

150. BIS means

(A) Board of International Standards
(B) Board of Indian Standards
(C) Bureau of International Standards
(D) Bureau of Indian Standards

FOR REFERENCE ONLY

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	D	31	D	61	D	91	D	121	B
2	A	32	C	62	B	92	A	122	A
3	B	33	B	63	D	93	B	123	C
4	C	34	D	64	C	94	C	124	B
5	A	35	C	65	C	95	D	125	D
6	A	36	B	66	B	96	D	126	A
7	B	37	C	67	A	97	D	127	C
8	D	38	C	68	A	98	A	128	B
9	C	39	A	69	C	99	A	129	C
10	B	40	D	70	B	100	A	130	D
11	C	41	B	71	A	101	C	131	D
12	D	42	A	72	D	102	D	132	D
13	C	43	D	73	A	103	B	133	A
14	D	44	B	74	A	104	C	134	B
15	A	45	C	75	A	105	A	135	B
16	B	46	D	76	D	106	D	136	D
17	C	47	C	77	D	107	B	137	C
18	B	48	A	78	C	108	A	138	B
19	B	49	B	79	A	109	C	139	B
20	C	50	C	80	D	110	D	140	A
21	D	51	C	81	C	111	C	141	B
22	C	52	B	82	D	112	B	142	A
23	B	53	C	83	D	113	C	143	C
24	C	54	D	84	D	114	C	144	B
25	B	55	C	85	D	115	A	145	C
26	C	56	D	86	C	116	D	146	B
27	B	57	D	87	B	117	C	147	B
28	C	58	A	88	C	118	A	148	D
29	D	59	C	89	C	119	B	149	D
30	A	60	C	90	C	120	B	150	D

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Entrance Exams

- Agricultural Entrance Exams
- Architecture Entrance Exam
- Arts and Humanities Entrance Exams
- Commerce Entrance Examinations
- Common Entrance Examinations
- Computer Application Entrance Exams
- Design Entrance Exams
- Education Entrance Exams
- Engineering Entrance Exams
- Hotel Management Entrance Exams
- Law Entrance Exams
- MBA Entrance Exams
- Media & Journalism Entrance Exams
- Medical Entrance Exams
- Nursing Entrance Exams
- Pharmacy Entrance Exams
- Science Entrance Exams
- Diploma & Polytechnic
- Lateral Entry