

## ENGLISH COMPREHENSION

**Directions (1-2) :** In the following questions, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

1. The injustice from the sentence pronounced (1)/ above that great scientist, is (2)/ now evident to us all. (3)/ No error (4)
2. Swami Vivekananda died very young in his early thirties, (1)/ but the phenomenal achievements he is credit with (2)/ are for generations to remember. (3)/ No error (4)

**Directions (3-4) :** In the following questions, the sentence given with blank is to be filled in with an appropriate word. Select the correct alternative out of the four.

3. She will surely pass if she \_\_\_\_\_ harder.  
(1) had studied  
(2) studied  
(3) studies  
(4) was studying
4. Corruption not only generates black money but \_\_\_\_\_ criminals.  
(1) creeps (2) breeds  
(3) deeds (4) seeds

**Directions (5-6) :** In the following questions, out of the given four alternatives, select the one which best expresses the meaning of the given word.

5. **Divisive**  
(1) Agreeing  
(2) Conflicting  
(3) Cooperating  
(4) Unifying

### 6. Gaffe

- (1) Complain (2) Trick  
(3) Gesture (4) Laugh

**Directions (7-8) :** In the following questions, out of the given four alternatives, select the one which is opposite in meaning of the given word.

### 7. Vigilant

- (1) Observant  
(2) Aroused  
(3) Numb  
(4) Active

### 8. Fecund

- (1) Sparse (2) Productive  
(3) Rich (4) Pregnant

### 9. Rearrange the parts of the sentence in correct order.

**The traditional obstacle to**

**P :** the education of girls is

**Q :** the prejudice against the

**R :** intellectual potential of girls

- (1) RPQ (2) QPR  
(3) PQR (4) PRQ

### 10. A sentence has been given in Active/Passive Voice. Out of the four given alternatives, select the one which best expresses the same sentence in Passive/Active Voice.

**Everyone enjoyed the scene.**

- (1) The scene has been enjoyed by everyone.  
(2) The scene was enjoyed by everyone.  
(3) The scene was enjoyed for everyone.  
(4) The scene was appreciated by everyone.

### 11. A sentence has been given in Direct/Indirect Speech. Out of the four given alternatives, select the one which best expresses the same sentence in Indirect/Direct Speech.

He said to me, "I go for a walk daily."

- (1) He told me that he went for a walk daily.  
(2) He told me that he goes for a walk daily.  
(3) He told me that he daily went for a walk.  
(4) He told me that he had gone for a walk daily.

### 12. In the following question, a word has been written in four different ways out of which only one is correctly spelt. Select the correctly spelt word.

- (1) Sichology  
(2) Psychology  
(3) Sighchology  
(4) Sychology

**Directions (13-17) :** In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank (numbered) out of the four alternatives.

The result is that the impact of humanities and liberal arts on (13) action and day-to-day activities seems to be distinctly on the wane. (14) and conventional approaches of teaching coupled with stasis that makes them traverse the (15) beaten path of course curricula isn't helping society see the relevance of humanities and social science (16) a technology-driven, changing world. The approach inevitably will be nuanced and there will be a need to tweak the course content and fine-tune it to come (17) with newer products to stay relevant and act as a facilitator to business and industry.

13. (1) humane (2) humanly  
(3) human (4) humanity



14. (1) Tradition  
 (2) Traditions  
 (3) Traditional  
 (4) Traditionally

15. (1) similarly  
 (2) as same as  
 (3) same  
 (4) similarity

16. (1) in (2) into  
 (3) on (4) onto

17. (1) up (2) upon  
 (3) down (4) above

**Directions (18-19) :** In the following questions, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

**18. The last straw**

- (1) A warrior saves his best arrow for the last.  
 (2) A minor difficulty but coming on top of a series of difficulties, that makes a situation unbearable.  
 (3) The student who usually comes last in the class.  
 (4) The lowest ranking official who gets the blame for any error.

**19. New kid on the block**

- (1) A person who is acting smart to impress others.  
 (2) Be inexperienced in company of veterans.  
 (3) To block the path of success of outsiders.  
 (4) Newcomer to a particular place or sphere of activity.

**Directions (20-21) :** In the following questions, out of the four alternatives, select the alternative which is the best substitute of the words/sentence.

**20. The rejection of all religious and moral principles, in the belief that life is meaningless**

- (1) Nihilism (2) Certitude  
 (3) Credence (4) Fidelity

**21. Be an expression of or give a tangible or visible form to an idea, quality, or feeling**

- (1) Spectre (2) Revenant  
 (3) Embody (4) Apparition

**Directions (22-23) :** In the following questions, out of the four alternatives, select the alternative which will improve the bracketed part of the sentence. In case no Improvement is needed, select "No Improvement".

22. With time now available for leisure, my father (**discover**) a new side to himself.

- (1) discovering  
 (2) has discovered  
 (3) had discover  
 (4) No Improvement

23. The sun hid behind a cloud and it seemed like a light (**have been switched**) off.

- (1) had been switched  
 (2) had been switch  
 (3) have been switching  
 (4) No Improvement

24. The question below consists of a set of labelled clauses. Out of the four options given, select the most logical order of the clauses to form a coherent sentence.

**There were too**

A : many doubts that cropped up every

B : seniors for clarity and resolution

C : now and then and I would run to my

- (1) ACB (2) ABC  
 (3) CBA (4) CAB

25. In the following question, four words are given out of which one word is correctly spelt. Select the correctly spelt word.

- (1) circumventing  
 (2) circumvanting  
 (3) circumventing  
 (4) circummvanting

**GENERAL INTELLIGENCE**

26. In the following question, select the related word pair from the given alternatives :  
 Wheel : Cycle :: ? : ?

- (1) Fan : Blades  
 (2) Cockpit : Aeroplane  
 (3) Book : Chapter  
 (4) Pen : Write

27. In the following question, select the related number pair from the given alternatives :  
 49 : 147 :: ? : ?

- (1) 71 : 203 (2) 63 : 189  
 (3) 55 : 175 (4) 69 : 217

28. In the following question, select the related letter/letters from the given alternatives :  
 LJK : IGH :: PST : ?

- (1) NRQ (2) RUV  
 (3) MPQ (4) RVU

29. In the following question, select the odd word from the given alternatives :

- (1) Ball (2) Bat  
 (3) Wickets (4) Ground

30. In the following question, four number pairs are given. The number on left side of (-) is related to the number on the right side of (-) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives :

- (1) 21 - 42 (2) 23 - 46  
 (3) 31 - 62 (4) 33 - 69

31. In the following question, select the odd letter/letters from the given alternatives :

- (1) RMHC (2) XSNI  
 (3) YTOJ (4) ZVQL

32. From the given alternatives, according to dictionary, which word will come at **THIRD** position?

1. Doubled 2. Dragged  
 3. Doubling 4. Dragging  
 5. Draw



- (1) Dragged (2) Dragging  
 (3) Doubled (4) Doubling
33. In the following question, select the missing number from the given alternatives :  
 91, 100, 118, 145, ?, 226  
 (1) 161 (2) 215  
 (3) 181 (4) 202

34. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series :

LNP, MOQ, NPR, ?, PRT

- (1) PQT (2) OQS  
 (3) LQS (4) LSQ

35. Pointing to a woman in the photograph Arun said, "She is the wife of the only child of my father". How is the woman related to Arun?

- (1) Wife (2) Niece  
 (3) Mother (4) Daughter

36. From the given alternatives, select the word which CANNOT be formed using the letters of the given word.

**SCRUPULOUS**

- (1) CUP (2) LOUIS  
 (3) SUP (4) ROCS

37. In a certain code language, "HORN" is written as "54" and "RHYM" is written as "63". How is "PURE" written in that code language?

- (1) 60 (2) 59  
 (3) 58 (4) 61

38. In a certain code language, '-' represents '+', '+' represents 'x', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question.

$$20 \div 2 - 3 + 10 \times 6 = ?$$

- (1) 12 (2) 30  
 (3) 31 (4) 23

39. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$5 - 12 + 15 \div 50 \times 25 = 23$$

- (1)  $\times$  and  $-$  (2)  $\div$  and  $-$   
 (3)  $-$  and  $+$  (4)  $\div$  and  $\times$

40. If  $18 ! 10 = 4$ ,  $10 ! 4 = 3$  and  $4 ! 8 = -2$ , then find the value of  $16 ! 18 = ?$

- (1) 2 (2) -1  
 (3) -8 (4) 9

41. Which of the following terms follows the trend of the given list?

RSPQPQPQ, PSRQPQPQ,  
 PQRSPQPQ, PQPSRQPQ,  
 PQPQRSPQ, \_\_\_\_\_

- (1) PQPQPQPQ  
 (2) RSPQPQPQ  
 (3) PQPQPSRQ  
 (4) PSRQPQPQ

42. A student cycles 2 km North, then turns West and cycles 2.5 km, then turns South and cycles 2 km, then turns to his left and cycles 4.5 km. Where is he now with respect to the starting position?

- (1) 7 km East  
 (2) 2 km West  
 (3) 7 km West  
 (4) 2 km East

43. In this question two statements are given, followed by two Conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given Conclusions, if any, follows from the given statements.

**Statements :**

- I. Some rugs are carpets.  
 II. No mat is rug.

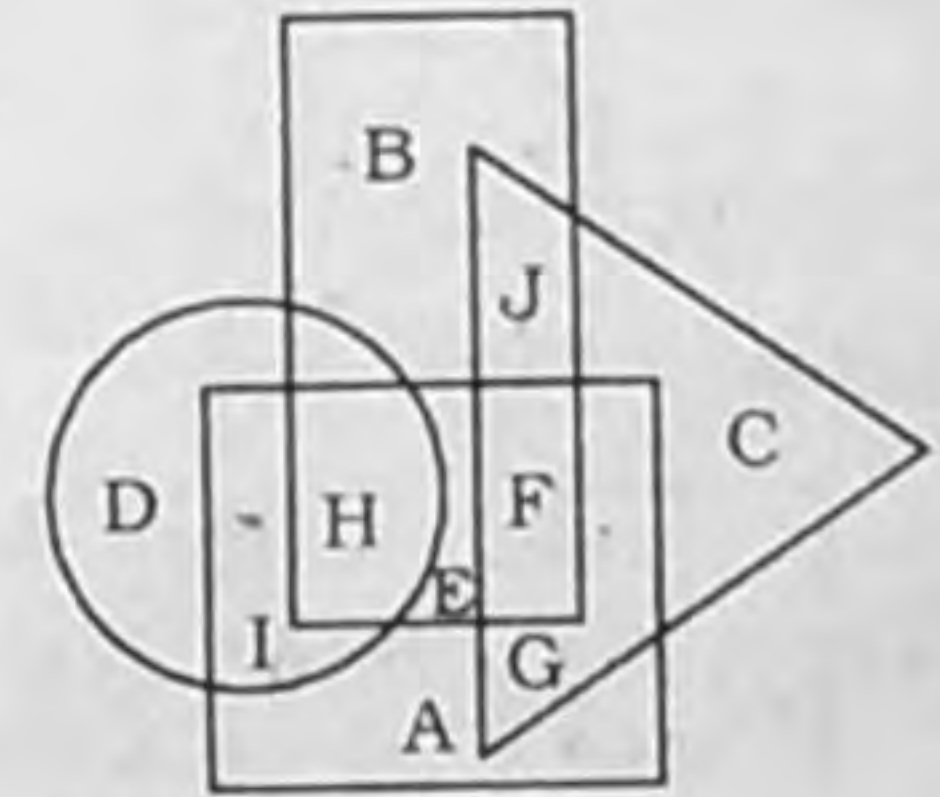
**Conclusions :**

- I. All carpets are mats.  
 II. Some carpets are rugs.

- (1) Only Conclusion I follows  
 (2) Only Conclusion II follows  
 (3) Both Conclusions I and II follow

- (4) Neither Conclusion I nor Conclusion II follows

44. In the following figure, rectangle represents Cinematographers, circle represents Bloggers, triangle represents Potters and square represents Asians. Which set of letters represents Cinematographers who are neither Potters nor Asians ?



- (1) BJ (2) B  
 (3) F (4) GF

45. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series :

KVS, QBY, WHE, CNK, ?

- (1) ITQ (2) HSP  
 (3) JUR (4) KVS

46. In the following question, select the missing number from the given alternatives :

6, 11, 16, 21, 26, ?

- (1) 32 (2) 33  
 (3) 31 (4) 29

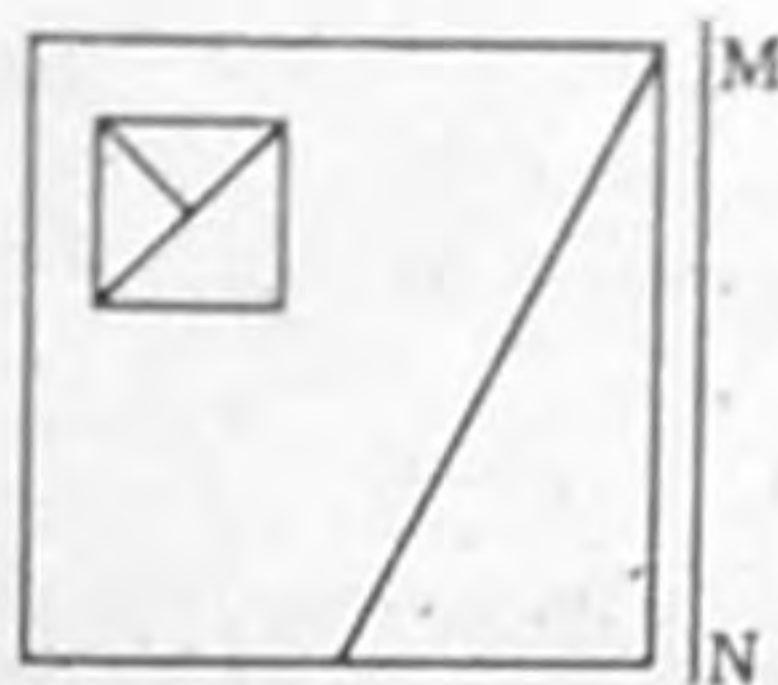
47. In the following question, four groups of three numbers are given. In each group the second and third numbers are related to the first number by a Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- (1) (6, 25, 12)  
 (2) (7, 29, 15)  
 (3) (5, 21, 11)  
 (4) (11, 45, 23)

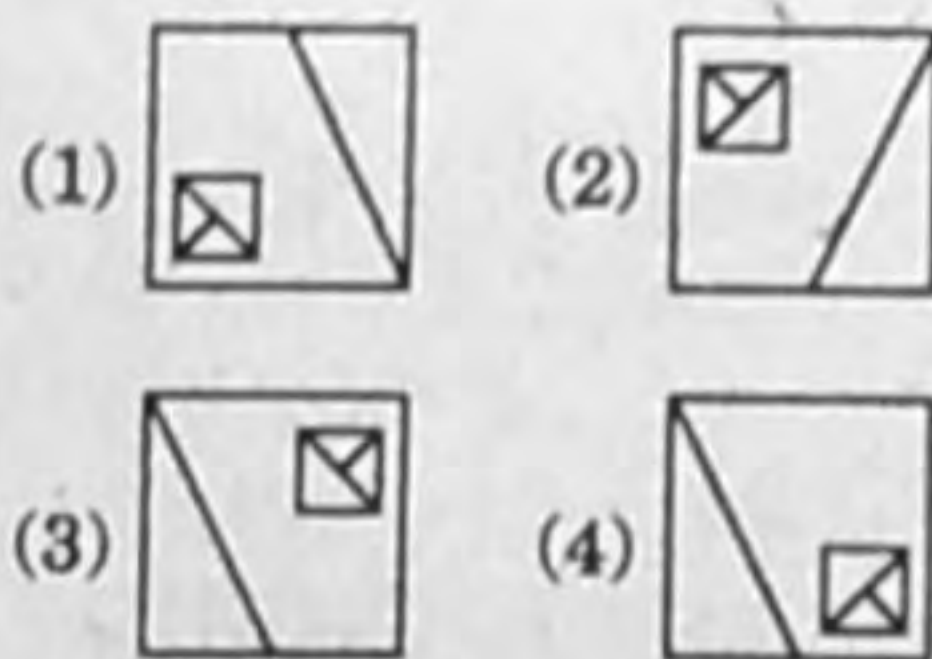


48. If a mirror is placed on the line MN, then which of the answer figure is the right image of the gives figure ?

Question Figure :

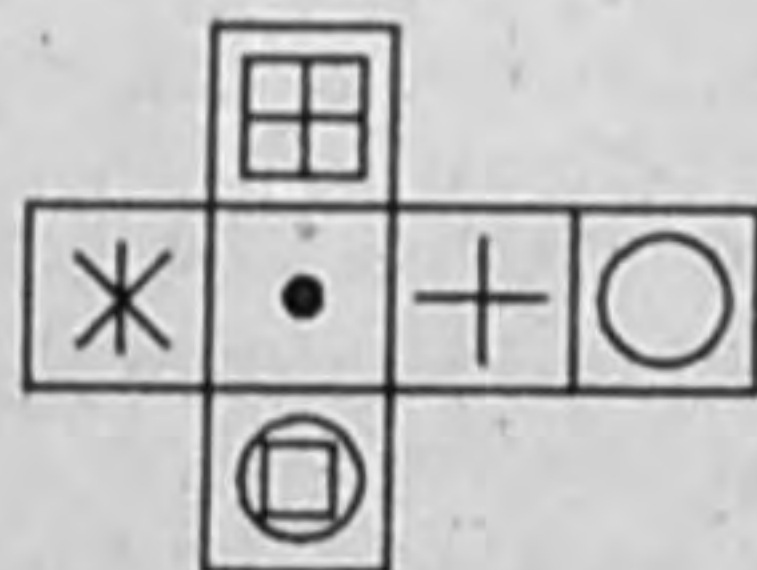


Answer Figures :

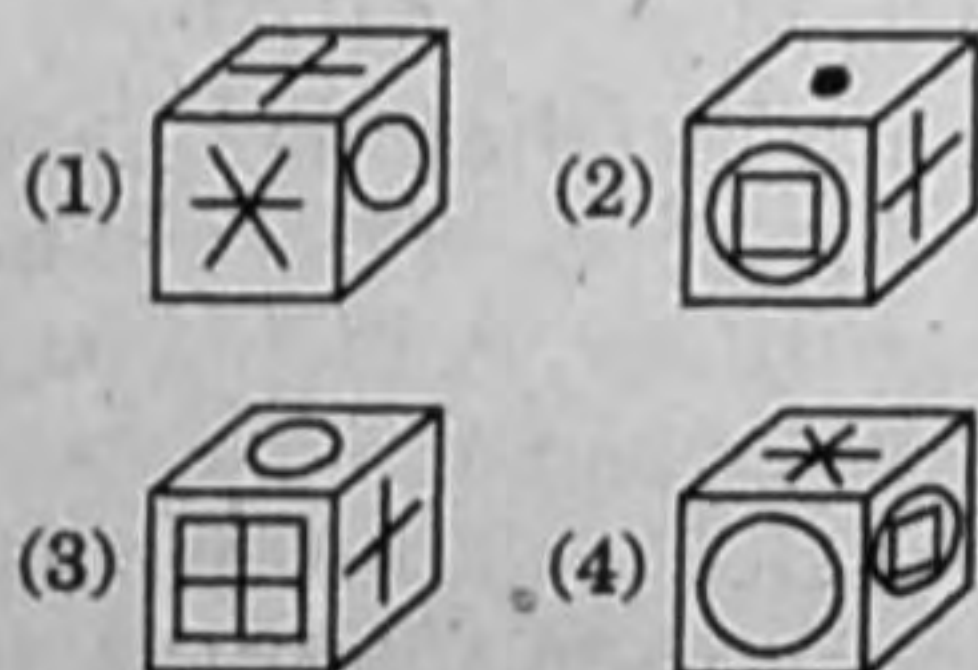


49. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure ?

Question Figure :



Answer Figures :



bered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example 'B' can be represented by 12, 24 etc and 'O' can be represented by 85, 77 etc. Similarly, you have to identify the set for the word 'FARE'.

Matrix-I

	0	1	2	3	4
0	L	F	K	A	L
1	F	E	B	F	M
2	B	J	J	C	B
3	I	G	F	A	K
4	M	L	K	E	F

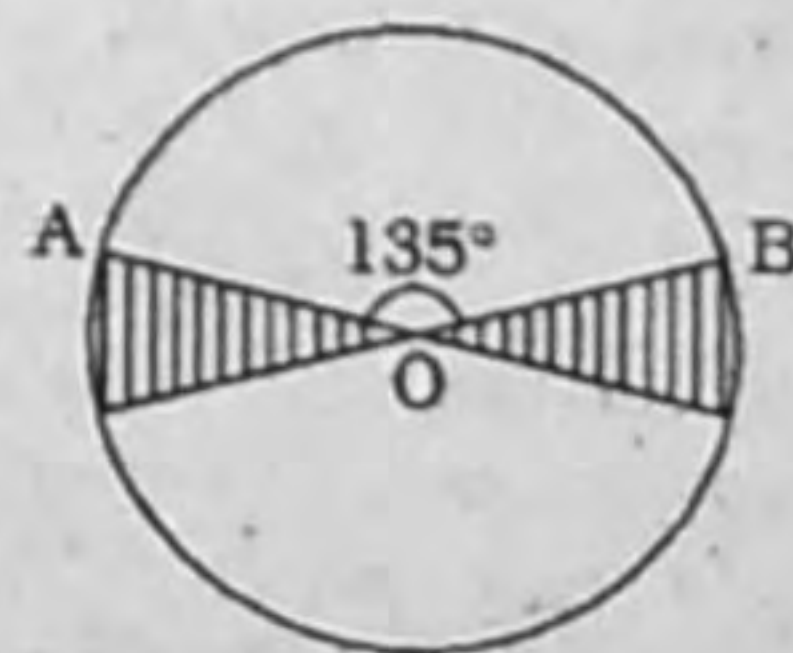
Matrix-II

	5	6	7	8	9
5	N	Y	V	Y	X
6	W	V	R	Q	V
7	Z	V	O	P	Z
8	O	Z	Y	W	V
9	Z	W	V	T	V

- (1) 34, 99, 43, 68  
 (2) 24, 97, 34, 57  
 (3) 10, 33, 67, 43  
 (4) 24, 65, 44, 56

## QUANTITATIVE APTITUDE

51. Find the cube root of 287496.  
 (1) 64 (2) 46  
 (3) 56 (4) 66
52. Arrange the following in descending order :  
 $\sqrt[3]{5}$ ,  $\sqrt[3]{4}$  and  $\sqrt[3]{6}$ .  
 (1)  $\sqrt[3]{6} > \sqrt[3]{4} > \sqrt[3]{5}$   
 (2)  $\sqrt[3]{6} > \sqrt[3]{5} > \sqrt[3]{4}$   
 (3)  $\sqrt[3]{4} > \sqrt[3]{5} > \sqrt[3]{6}$   
 (4)  $\sqrt[3]{4} > \sqrt[3]{6} > \sqrt[3]{5}$
53. What is the total length intercepted between both the axes by the line  $8x + 4y = 40$ ?  
 (1) 5 (2) 10  
 (3) 15 (4) 20
54. The average of two numbers is 10 and the product of two numbers is 96. Find the two numbers.  
 (1) 3, 32 (2) 12, 8  
 (3) 1, 96 (4) 24, 4
55. Consider the circle shown below having angle AOB as  $135^\circ$  and the shaded portion is the x part of the circular region. Calculate the value of x.



- (1)  $\frac{1}{12}$  (2)  $\frac{1}{9}$   
 (3)  $\frac{1}{6}$  (4)  $\frac{1}{4}$

56. Consider the two similar triangles ABC and DEF. Which of the following is correct about the ratio of the area of the triangle ABC and DEF?

50. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabet as shown in the given two matrices. The columns and rows of Matrix-I are num-



$$(1) \left(\frac{AB}{DE}\right) = \left(\frac{EF}{BC}\right) = \left(\frac{AC}{DF}\right)$$

$$(2) \left(\frac{AB}{DE}\right)^2 = \left(\frac{BC}{EF}\right)^2 = \left(\frac{AC}{DF}\right)^2$$

$$(3) \left(\frac{AB}{DE}\right) = \left(\frac{BC}{EF}\right) = \left(\frac{DF}{AC}\right)$$

(4) None of these

57. Out of two numbers, 30% of the smaller number is equal to 18% of the larger number. If the sum of the two numbers is 840, what is the value of the larger number?

- (1) 545            (2) 507  
(3) 515            (4) 525

58. If  $\frac{3}{5}$  of  $x$  is equal to  $\frac{4}{9}$  of  $y$ ,

what is the ratio of  $x$  and  $y$ ?

- (1) 11 : 15        (2) 15 : 23  
(3) 20 : 27        (4) 14 : 25

59. In what ratio rice costing Rs. 14/kg mixed with another rice costing Rs. 11/kg to get the mixture costing Rs. 11.6/kg?

- (1) 2 : 5            (2) 1 : 4  
(3) 1 : 3            (4) 1 : 5

60. Average age of 4 daughters of a family is 12 years. The average age of daughters and their parents is 26 years. If the mother is 4 years older than the father, what is the age (in years) of the father?

- (1) 56                (2) 52  
(3) 48                (4) 44

61. A sum of Rs. 20000 becomes Rs. 32000 in 12 years, when invested in a scheme of simple interest. If the same sum is invested in a scheme of compound interest with same yearly interest rate (compounded annually), what will be the amount (in Rs.) after 2 years?

- (1) 21750            (2) 22050  
(3) 23250            (4) 24650

62. N professes to lose 25% on rice and uses a weight of 750 gm instead of 1 kg. What is the total profit or loss percentage?

- (1) 5.25% profit  
(2) 12.5% profit  
(3) No profit/loss  
(4) 5.25% loss

63. Two successive discounts of 12% and 20% are given by Rajat on a shirt. If the marked price of the shirt is Rs. 500, what is the value (in Rs.) of discount?

- (1) 198              (2) 152  
(3) 148              (4) 168

64. If  $\sqrt{21} = 4.58$ , what is the simplified value of

$$\left(8\sqrt{\frac{3}{7}} - 3\sqrt{\frac{7}{3}}\right) ?$$

- (1) 0.474            (2) 0.752  
(3) 0.655            (4) 1

65. S does half as much work as T in  $\frac{1}{7}$  of the time taken by

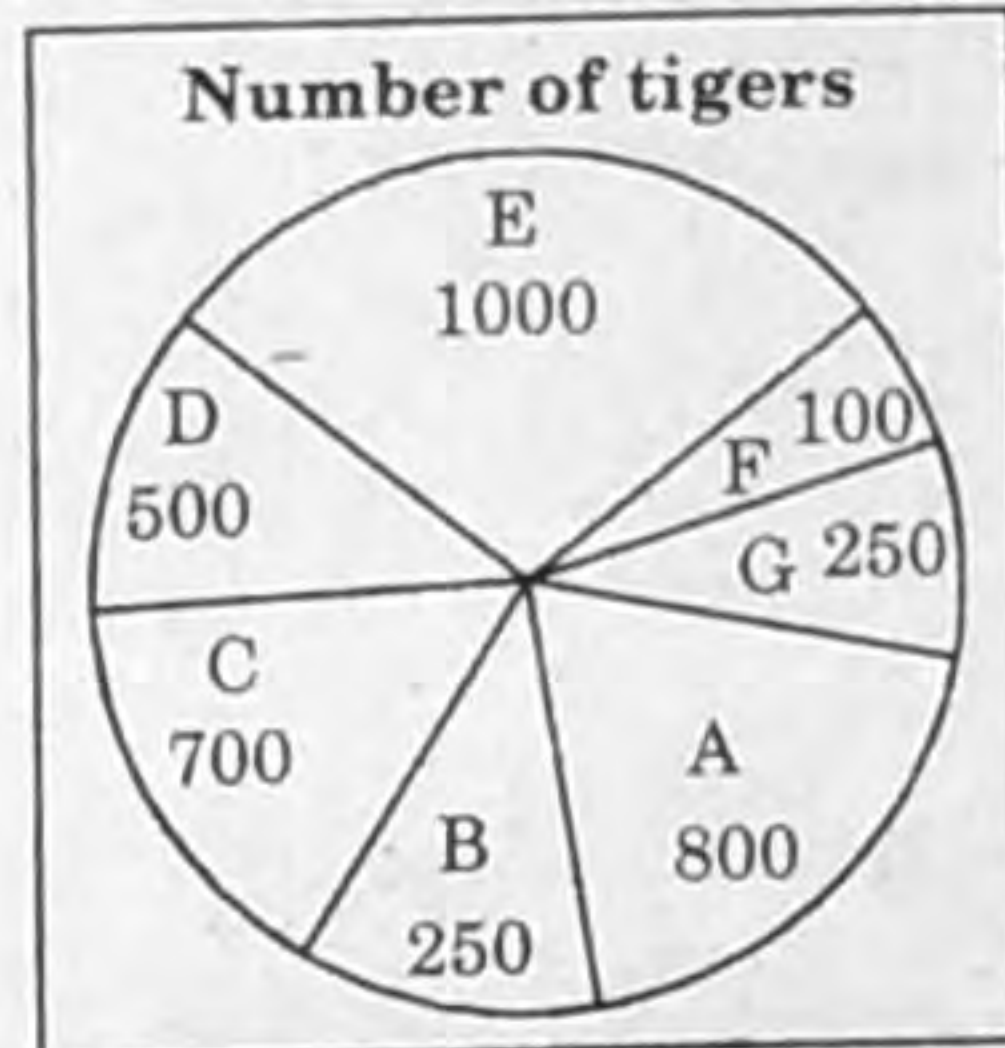
T. If together they take 21 days to complete a work, how many days shall S take to complete that work alone?

- (1) 26                (2) 27  
(3) 28                (4) 32

66. A boy walking at the speed of 4 km/hr covers a certain distance in 6 hours 15 minutes. If he covers the same distance by cycle in 5 hours, what is the speed (in km/hr) of the cycle?

- (1) 4.5                (2) 5  
(3) 6                  (4) 6.5

**Directions (67-70) :** The pie-chart shows the number of tigers in all the tiger wild life sanctuaries in the country. Study the diagram and answer the following questions.



67. The least number of tigers is in which sanctuary?

- (1) B                  (2) F  
(3) D                  (4) A

68. What is the total number of tigers in these sanctuaries?

- (1) 2400              (2) 4200  
(3) 3000              (4) 3600

69. The measure of the central angle of the sector representing the number of tigers in sanctuary E is \_\_\_\_\_ degrees.

- (1) 80                (2) 120  
(3) 90                (4) 100

70. If the average area occupied by each tiger in these sanctuaries is 90 sq. km., what is the total area (in 1000 sq. km.) of these sanctuaries?

- (1) 412                (2) 508  
(3) 324                (4) 544

71. If the lengths of the two parallel sides of a trapezium are 5 cm and 7 cm and the distance between these parallel sides is 4 cm. Find its area (in cm.<sup>2</sup>).

- (1) 12                (2) 24  
(3) 48                (4) 36

72. What is the measure of an interior angle of a regular polygon of 8 sides?

- (1) 140                (2) 144  
(3) 135                (4) 150

73. Find the volume (in cm.<sup>3</sup>) of a right circular cone of diameter 7 cm and height 7 cm.

- (1) 69.06            (2) 16.43  
(3) 11.15            (4) 89.83



74. What is the value of

$$\left(\operatorname{cosec} 60^\circ - \frac{1}{2}\right)?$$

(1)  $\frac{(4-\sqrt{3})}{2\sqrt{3}}$  (2)  $\frac{(2\sqrt{3}-1)}{\sqrt{3}}$

(3)  $\frac{(3\sqrt{3}-1)}{3}$  (4)  $\frac{1}{\sqrt{3}}$

75. In  $\triangle DEF$  measure of angle E

is  $90^\circ$ . If  $\cot D = \frac{5}{12}$ , and  $DE = 1$  cm, what is the length (in cm.) of side EF?

- (1) 2.4 (2) 2.6  
(3) 1.5 (4) 2

### GENERAL AWARENESS

76. "Functional Finance" is associated with: \_\_\_\_\_

- (1) Adams  
(2) Adam Smith  
(3) Adolph Wogner  
(4) Abba P. Lerner

77. Which of the following should always be balanced in the foreign trade of India?

- (1) Balance of Trade  
(2) Balance of Payment  
(3) Balance of Current Account  
(4) No option is correct.

78. The boundary of which country does not seem to touch the Caspian sea?

- (1) Azerbaijan  
(2) Russia  
(3) Ukraine  
(4) Turkmenistan

79. Kapildhara Falls is situated on which river?

- (1) Tapi (2) Sharavati  
(3) Narmada (4) Indravati

80. Which of the following books is NOT of Surdas?

- (1) Sursatsai  
(2) Sur Saravali  
(3) Sahitya Lahari  
(4) Sursagar

81. French established their first factory at Surat and second factory at \_\_\_\_\_

- (1) Banaras  
(2) Calcutta  
(3) Mumbai  
(4) Masulipatnam

82. Which of the following pairs (school of paintings and region where it flourished) is correctly matched?

- (1) Kaligh at Paintings - Kolkata  
(2) Phad (scroll paintings) - Punjab  
(3) Madhubani Paintings - Bihar  
(4) Kalamkari - Andhra Pradesh

83. Which city of Israel has been recognized as its New Capital by the United States of America?

- (1) Jerusalem  
(2) Haifa  
(3) Bersheba  
(4) Tel Aviv

84. The Ministry of Labour and Employment, in January 2018, announced how many persons for Prime Minister's Shram Awards for the year 2016?

- (1) 16 (2) 34  
(3) 50 (4) 64

85. Which of the following crop is major foreign exchange earner for Sri Lanka?

- (1) Rice  
(2) Apparel  
(3) Tea  
(4) Apparel and Tea both

86. Which among the following noble gas has highest molar mass?

- (1) Kr (2) Ne  
(3) Ar (4) Xe

87. Which of the following electromagnetic waves has minimum wavelength?

- (1) Alpha (2) Gamma  
(3) Infrared (4) X-rays

88. There are three types of lists in Indian Constitution, viz., the Union List, the State list and the \_\_\_\_\_

- (1) District List  
(2) Panchayat List  
(3) Concurrent List  
(4) No option is correct

89. In India, The President's Rule continues for six months, but it can be extended for a maximum period of \_\_\_\_\_ with the approval of the Parliament, every six months.

- (1) one year  
(2) two years  
(3) three years  
(4) four years

90. Match the following.

Type of Muscle tissue	Location
I. Striated	1. Heart
II. Smooth	2. Limbs
III. Cardiac	3. Irish of the eye, in ureters and in bronchi of the lungs

- (1) I - 2, II - 3, III - 1  
(2) I - 1, II - 3, III - 2  
(3) I - 1, II - 2, III - 3  
(4) I - 3, II - 1, III - 2

91. In Angiosperms, plant embryos in seed have structures called \_\_\_\_\_

- (1) Spore (2) Buds  
(3) Sprout (4) Cotyledon

92. "Swachh Bharat Mission" aims to achieve an Open Defecation Free (ODF) India by which date?

- (1) 2 October, 2020  
(2) 2 October, 2018  
(3) 2 October, 2019  
(4) 2 October, 2022

93. On 22 November, 2017 the Indian Air Force successfully test fired an air launched BrahMos from a \_\_\_\_\_ fighter aircraft.

- (1) Mirage -2000  
(2) Sukhoi Su-30 MKI  
(3) Mig-29  
(4) HAL Tejas



94. In October 2017, "PFMS" was made mandatory. It will help to \_\_\_\_\_.
- (1) provide security to schemes
  - (2) Monitor fund flow to schemes
  - (3) To describe benefit of schemes
  - (4) No option is correct.
95. On 30 January, 2018, who among the following called for simultaneous elections to Lok Sabha and state assemblies?
- (1) The President of India
  - (2) The Finance Minister of India
  - (3) The Speaker of Lok Sabha
  - (4) The Chief Justice of India
96. Calculate the pressure (in Pa) if a thrust of 1000 N is applied to an area of 5 m<sup>2</sup>.
- (1) 200
  - (2) 50
  - (3) 100
  - (4) 25
97. 1 kWh = \_\_\_\_\_ × 10<sup>6</sup> J.
- (1) 36
  - (2) 3.6
  - (3) 6.4
  - (4) 64
98. Underground water and the water on the earth's surface is called \_\_\_\_\_.
- (1) hydros phere
  - (2) biosphere
  - (3) lithosphere
  - (4) thermosphere
99. Which of the statements given below are correct?
- A. Max Verstappen won the Formula One 2017 Singapore Grand Prix.
  - B. In 2017, Mohamed Salah played for the Premier League team Liver pool.
  - C. Jelena Ostapenko won the Tennis 2017 Australian Open Women's Singles.
- (1) Only A
  - (2) Only B
  - (3) Both B and C
  - (4) A, B and C
100. Every HTML file is a \_\_\_\_\_ file.
- (1) Text
  - (2) Audio
  - (3) Video
  - (4) Image