

(Reasoning)

1. Select the related word/letters/number from the given alternatives.

Play : Actor :: Concert:?

- A. Symphony B. Musician
C. Piano D. Percussion

Ans. B.

2. Select the related word/letters/number from the given alternatives.

EGIK : FILO :: FHJL : ?

- A. JGMP B. JGPM
C. GJMP D. GMJP

Ans. C.

3. Select the related word/letters/number from the given alternatives.

583 : 295 :: 486 : ?

- A. 291 B. 378
C. 487 D. 581

Ans. B.

4. Find the odd word/letters/number pair from the given alternatives.

- (A) Fire
(B) Light
(C) Gas
(D) Water

- A. A B. B
C. C D. D

Ans. D.

5. Find the odd word/letters/number pair from the given alternatives.

- (A) ECBY
(B) RTUX
(C) GEDA
(D) WUTQ

- A. A B. B
C. C D. D

Ans. B.

6. Find the odd word/letters/number pair from the given alternatives.

- (A) 52-61
(B) 43-54
(C) 72-83
(D) 18-29

- A. A B. B
C. C D. D

Ans. A.

7. Arrange the following words as per order in the dictionary.

1. Fraudulent
2. Fraught
3. Fraternity
4. Franchise
5. Frantic

- A. 5,4,1,2,3 B. 4,5,3,1,2
C. 4,3,5,1,2 D. 3,4,5,2,1

Ans. B.

8. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

H _ JH _ IJHHI _ HH _ JH

- A. I H J I B. H I H I
C. I H I J D. H J H J

Ans. A.

9. Which number will complete the series?

63, 72, 81, 90, _____, 108

- A. 80 B. 99
C. 100 D. 117

Ans. B.

10. Rajiv is the brother of Arun. Sonia is the sister of Sunil. Arun is the son of Sonia. How is Rajiv related to Sunil?

- A. nephew B. son
C. brother D. father

Ans. A.

11. A mother is five times older than her daughter. After 5 years, she would be 3 times older than her daughter. Find the mother's present age.

- A. 20 years B. 22 years
C. 25 years D. 29 years

Ans. C.

12. From the given alternative words, select the word which cannot be formed using the letters of the given word:

PRONOUNCEMENT

- A. MOUNT B. CEMENT
C. PAVEMENT D. NOUN

Ans. C.

13. If SYSTEM is written as RXRSDL. How can CORRECT be written in that code?

- A. BNQQDBS B. BQQNDBS
C. BNQQBDS D. BNQDQBS

Ans. C.

14. If A means +, B means \times , C means \div , D means $-$, then the value of given equation will be?

$$9A2B6D4C2$$

- A. 16 B. 19
C. 27 D. 30

Ans. B.

15. If, $4 \times 3 = 14$; $5 \times 4 = 18$; $6 \times 5 = 22$; Then find the value of $7 \times 6 = ?$

- A. 20 B. 26
C. 30 D. 42

Ans. B.

16. Select the missing number from the given responses:

7	56	8
9	45	?
11	99	9

- A. 6 B. 9
C. 5 D. 4

Ans. C.

17. Rita travelled 35 Km from a point towards South and then turned left and travelled 20 Km and finally turned left again and travelled 35 Km. In which direction is she from the starting point?

- A. East B. West
C. North D. South

Ans. A.

18. Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statement: To achieve economic development, people should work hard.

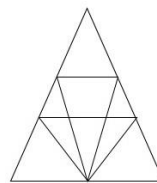
Conclusions: I: Economic development is directly related to people's hardwork.

II: Working hard by all the people is impossible

- A. Only I follows
B. Only II follows
C. Both I and II follow
D. Neither I nor II follows

Ans. A.

19. Find the number of triangles in the figure.

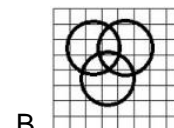
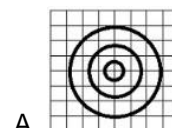


- A. 12 B. 18
C. 22 D. 26

Ans. B.

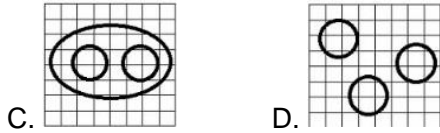
20. Which of the answer figures best represents the relation between:

Shirt, Garments, Clothes



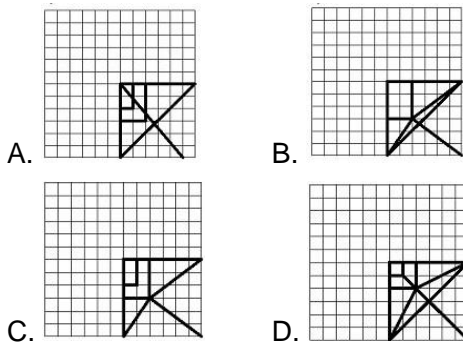
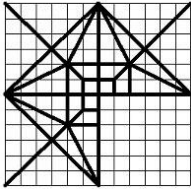
A.

B.



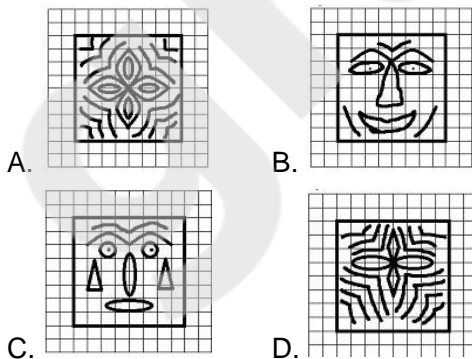
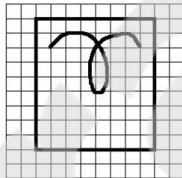
Ans. A.

21. Which answer figure will complete the pattern in the figure?



Ans. D.

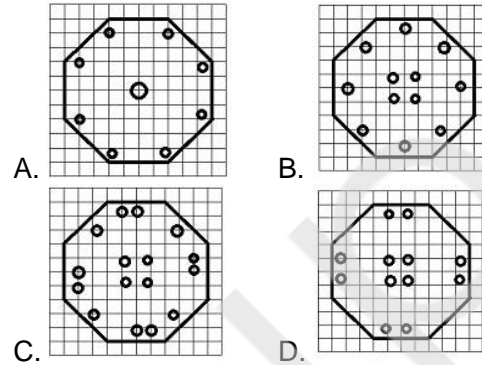
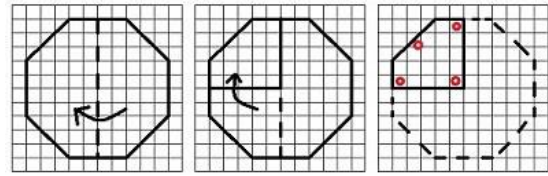
22. From the given answer figures, select the one in which the figure is hidden/embedded.



Ans. A.

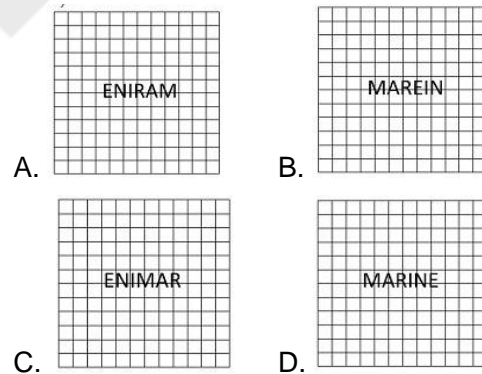
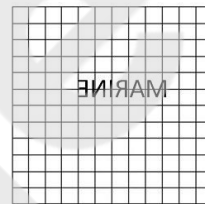
23. A piece of paper is folded and punched as shown below in figures. From the given answer figures, indicate how it will appear

when opened.



Ans. C.

24. The mirror image of a word is seen as given below. What is the actual word?



Ans. D.

25. In the question, 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 alphabets as in two matrices given below. The columns and rows of Matrix I are numbered 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, e.g., B can be represented by 00,13, etc, and A can be represented by 55,69, etc. You have to identify the set for the word 'LION'.

Matrix-I

	0	1	2	3	4
0	B	N	G	L	D
1	G	L	D	B	N
2	D	B	N	G	L
3	N	G	L	D	B
4	L	D	B	N	G

Matrix-II

	5	6	7	8	9
5	A	I	K	O	R
6	I	K	O	R	A
7	K	O	R	A	I
8	O	R	A	I	K
9	R	A	I	K	O

- A. 03, 55, 76, 33 B. 11, 65, 77, 22
 C. 23, 79, 85, 43 D. 11, 88, 99, 22

Ans. D.

(General Awareness)

26. Besides CO₂, the other green house gas is

- A. CH₄ B. N₂
 C. Ar D. O₂

Ans. A.

27. National Income of India is compiled by

- A. Finance Commission
 B. Indian Statistical Institute
 C. National Development Council
 D. Central Statistical Organization

Ans. D.

28. The power of the Supreme Court of India to decide disputes between the Centre and the States falls under its

- A. Advisory jurisdiction
 B. Original jurisdiction
 C. Appellate jurisdiction
 D. Jurisprudence

Ans. B.

29. The word 'Satyameva Jayate' have been derived from which Upanishad?

- A. Akshi Upanishad
 B. Mundaka Upanishad
 C. Garuda Upanishad
 D. Mahavakya Upanishad

Ans. B.

30. When Granite rocks get metamorphosed, they form

- A. Quartzite B. Gneiss
 C. Marble D. Slate

Ans. B.

31. Which of the following is a commercial source of energy?

- A. Agricultural waste B. Dried dung
 C. Sun D. Natural gas

Ans. D.

32. Backward bending supply curve belongs to which market?

- A. Capital B. Labour
 C. Money D. Inventories

Ans. B.

33. In IT, associative memory is called as

- A. Virtual memory
 B. Cache memory
 C. Content addressable memory
 D. Main memory

Ans. C.

34. Addition of suitable impurities into semiconductor, is called

- A. Doping B. Mixing
 C. Forming D. Diluting

Ans. A.

35. Kyoto Protocol is associated with

- A. Species conservation
 B. Climate change
 C. Wetland Conservation
 D. Medicinal plants

Ans. B.

36. Ebraham Alkazi is an eminent personality

in which one of the following area?

- A. Heart surgery B. Civil aviation
C. Theatre D. Painting

Ans. C.

37. Skoda, which launched sedan 'Rapid', is an automobile manufacturer based in

- A. Japan B. France
C. South Korea D. Czech Republic

Ans. D.

38. Sattriya is a classical dance form of _____

- A. Manipur
B. Uttar Pradesh
C. Assam
D. Andhra Pradesh

Ans. C.

39. P. V. Sindhu defeated Wang Yihan to enter the semi final of womens' singles of badminton at the Rio Olympics. Wang Yihan belongs to _____

- A. Indonesia B. Taiwan
C. China D. Japan

Ans. C.

40. If a budget is defeated in the legislature of a state then

- A. The Finance Minister alone has to resign
B. The Finance Minister concerned has to be suspended
C. The council of Ministers along with the Chief Minister has to resign
D. Re-election have to be ordered

Ans. C.

41. Which one of the following papers was edited by Gandhiji in South Africa?

- A. Indian Opinion B. Harijan
C. Young India D. Indian Mirror

Ans. A.

42. In which of the following cities India's first water metro project was recently launched?

- A. Kolkata B. Kochi
C. Vishakhapatnam D. Mumbai

Ans. B.

43. Meibomian glands are located in

- A. Eye B. Ear
C. Nose D. Skin

Ans. A.

44. In which city is India's first Post Office ATM opened?

- A. Chennai B. New Delhi
C. Hyderabad D. Mumbai

Ans. A.

45. Arsenic problem in India is primarily due to

- A. Overexploitation of coal in Bihar and Bengal
B. Overexploitation of arsenopyrite in the hinterland
C. Overexploitation of ground water in the affected areas
D. Overexploitation of surface water in the affected areas

Ans. D.

46. Men's Singles Wimbledon Championship 2016, is bagged by

- A. Andy Murray B. Milos Ravnicevic
C. Roger Federer D. Novak Djokovic

Ans. A.

47. Which of the following vitamins are water soluble?

- A. Vit. A & Vit. B B. Vit. B & Vit. C
C. Vit. C & Vit. D D. Vit. A & Vit. K

Ans. B.

48. In terms of economics, if it is possible to make someone better-off without making someone worse-off, then the situation is

- A. Inefficient

- B. Efficient
- C. Optimal
- D. Pareto-superior

Ans. D.

49. Green House Effect' means

- A. Pollution in houses in tropical region
- B. Prevention of ultra-violet radiation by the ozone layer
- C. Trapping of solar energy due to atmospheric gases
- D. Damage to green painted buildings

Ans. C.

50. General Dyer, who was responsible for Jallianwala Bagh massacre, was shot dead by?

- A. Hasrat Mohini B. Vir Savarkar
- C. Udham Singh D. Jatin Das

Ans. C.

(Quantitative Aptitude)

51. X can do a piece of work in 'p' days and Y can do the same work in 'q' days. Then the number of days in which X and Y can together do that work is

- A. $\frac{p+q}{2}$ B. $\frac{1}{p} + \frac{1}{q}$
- C. $\frac{pq}{p+q}$ D. pq

Ans. C.

52. A shopkeeper marks his goods 40% above the cost price and allows a discount of 25% on it. His gain % is

- A. 5% B. 10%
- C. 15% D. 20%

Ans. A.

53. The ratio of the ages of two boys is 3:4. After 3 years, the ratio will be 4:5. The ratio of their ages after 21 years will be

- A. 14:17 B. 17:19
- C. 11:12 D. 10:11

Ans. D.

54. The cost price of 25 books is equal to the selling price of 20 books. The profit percent is

- A. 20% B. 22%
- C. 24% D. 25%

Ans. D.

55. One number is 25% of another number. The larger number is 12 more than the smaller. The large number is

- A. 48 B. 16
- C. 4 D. 12

Ans. B.

56. A train 500 m long, running at a uniform speed, passes a station in 35 sec. If the length of the platform is 221 m, the speed of the train in km/hr is

- A. 721/35 B. 74.16
- C. 24.76 D. 78.54

Ans. B.

57. If the simple interest on Rs. 400 for 10 years is Rs. 280, then rate of interest per annum is

- A. 7% B. 7 ½ %
- C. 7 ¼ % D. 8 ½ %

Ans. A.

58. If $a + b = 2c$, then the value of $\frac{a}{a-c} + \frac{c}{b-c}$ is equal to (where $a \neq b \neq c$)

- A. -1 B. 1
- C. 0 D. 1/2

Ans. B.

59. If $x + \frac{1}{x} = 5$, then the value of

$$\frac{x}{1+x+x^2} \text{ is}$$

- A. 1/5 B. 1/6
C. 5 D. 6

Ans. B.

60. G and AD are respectively the centroid and median of the triangle ΔABC . The ratio AG:AD is

- A. 3:2 B. 2:3
C. 2:1 D. 1:2

Ans. B.

61. A point P lying inside a triangle is equidistant from the vertices of the triangle. Then the triangle has P as its

- A. Centroid
B. Incentre
C. Orthocentre
D. Circumcentre

Ans. D.

62. If $\sin\theta + \cos\theta = 1$, then the $\sin\theta \cos\theta$ is equal to

- A. 0 B. 1
C. 1/2 D. -1/2

Ans. A.

63. If 7 times the seventh term of an Arithmetic Progression (AP) is equal to 11 times its eleventh term, then the 18th term of the AP will be

- A. 1 B. 0
C. 2 D. -1

Ans. B.

64. The average age of eight teachers in a school is 40 years. A teacher among them died at the age of 55 years whereas another teacher whose age was 39 years joins them. The average age of the teachers in the school now is (in years)

- A. 35
B. 36

- C. 38
D. 39

Ans. 38

65. If $\frac{a^2}{b+c} = \frac{b^2}{c+a} = \frac{c^2}{a+b} = 1$ then find the value of $\frac{2}{1+a} + \frac{2}{1+b} + \frac{2}{1+c}$

- A. 0 B. 1
C. 2 D. 3

Ans. C.

66. If $2x + \frac{2}{x} = 3$, then the value of $x^3 + \frac{1}{x^3} + 2$ is

- A. 3/4 B. 4/5
C. 5/8 D. 7/8

Ans. D.

67. Two equal circles of radius 3 cm each and distance between their centres is 10 cm. The length of one of their transverse common tangent is

- A. 7 cm B. 9 cm
C. 10 cm D. 8 cm

Ans. D.

68. In ΔABC if the median $AD = \frac{1}{2} BC$, then $\angle BAC$ is

- A. 90° B. 45°
C. 60° D. 75°

Ans. A.

69. If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 3$ then the value of $\sin^4\theta - \cos^4\theta$ is

- A. 4/3 B. 3/4
C. 5/3 D. 3/5

Ans. D.

70. A sphere has the same curved surface area as a cone of vertical height 40 cm and radius 30 cm. The radius of the sphere is

- A. $5\sqrt{5}$ cm B. $5\sqrt{3}$ cm
C. $5\sqrt{15}$ cm D. $5\sqrt{10}$ cm

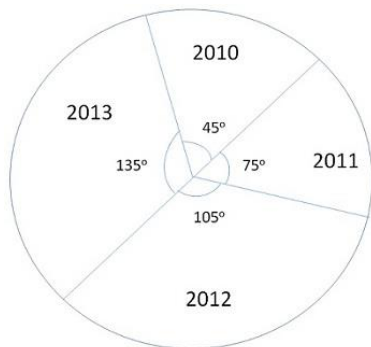
Ans. C.

71. The angle of elevation of the top of a tower from a point A on the ground is 30° . On moving a distance of 20 metres towards the foot of the tower to a point B, the angle of elevation increases to 60° . The height of the tower in metres is

- A. $\sqrt{3}$ B. $5\sqrt{3}$
C. $10\sqrt{3}$ D. $20\sqrt{3}$

Ans. C.

72. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions

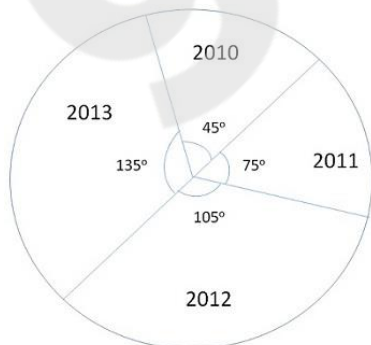


If the price of gold in 2013 is Rs. 31,500 per 10 gram, then the price of gold in 2011 per 10 gram is

- A. Rs.17000 B. Rs.17500
C. Rs.18000 D. Rs.18500

Ans. Rs.B.

73. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions



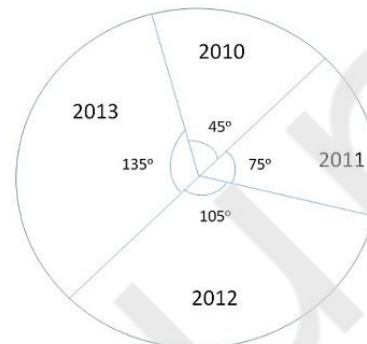
The ratio of the price of gold in the two years

2010 and 2013 is

- A. 1:2 B. 1:3
C. 1:4 D. 1:5

Ans. B.

74. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions

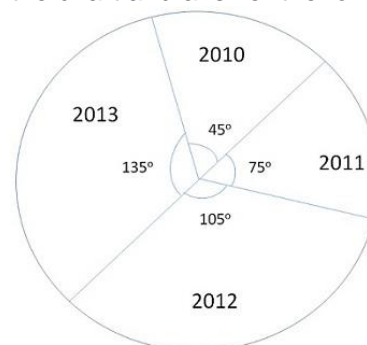


The percentage of increase in the price of gold from the year 2011 to 2013 is

- A. 50% B. 60%
C. 70% D. 80%

Ans. D.

75. Given here is a pie chart of the cost of gold in 2010, 2011, 2012 and 2013. Study the chart and answer the following questions



The ratio of percentage of increase in price of gold from 2011 to 2012 and 2012 to 2013 is

- A. 6:5 B. 7:5
C. 8:5 D. 9:5

Ans. B.

(English Comprehension)

76. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

EXAGGERATE

- A. MAGNIFY B. IMAGINE
C. REINFORCE D. REITERATE

Ans. A.

77. In the following question, out of the four alternatives, choose the word which is opposite in meaning to the given word and click the button corresponding to it.

GREGARIOUS

- A. UNSOCIABLE
B. UNSYMPATHETIC
C. UNGRATEFUL
D. UNATTRACTIVE

Ans. A.

78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word and click the button corresponding to it.

- A. Serendipity B. Serendipity
C. Serndipity D. Sernidipity

Ans. A.

79. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

Considering the (A) / gravity of the problems (B) / an early reply has expected (C) / No Error (D)

- A. A B. B
C. C D. D

Ans. C.

80. In the following questions, one part of the

sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

The Statesman has the (A) / larger circulation (B) / of all English dailies (C) / No Error (D)

- A. A B. B
C. C D. D

Ans. B.

81. In the following questions, one part of the sentence may have an error. Find out which part of the sentence has an error and click the button corresponding to it. If the sentence is free from error, click the "No error" option.

I am very anxious (A) / to know how are you (B) / and mother are doing (C) / No Error (D)

- A. A B. B
C. C D. D

Ans. B.

82. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

Everything _____ carefully checked.

- A. has been B. have been
C. are being D. is been

Ans. A.

83. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

I've _____ finished painting the house.

- A. about B. nearing
C. towards D. almost

Ans. D.

84. The sentences given with blanks are to be filled with an appropriate word(s). Four alternatives are suggested for each question. For each question, choose the correct alternative and click the button corresponding to it.

She _____ made him angry.

- A. have absolutely B. has certainly
C. have certainly D. has absolutely

Ans. B.

85. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Burn your boats

- A. Have a burning desire to win
B. Become extremely tired after working very hard
C. Do something that makes it impossible to return to the previous situation
D. Want to spend money as soon as you get it

Ans. C.

86. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Dressing-down

- A. Apply bandage
B. Wear an expensive gown
C. Give a scolding
D. Pretend

Ans. C.

87. In each of the questions, four alternatives are given for the Idiom/Phrase. Choose the alternative which best expresses the meaning of the Idiom/Phrase and click the button corresponding to it.

Null and void

- A. Invalid B. Observant
C. Uncontrolled D. Homeless

Ans. A.

88. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Write or carve words on stone or paper

- A. Sketch B. Imprint
C. Affix D. Inscribe

Ans. D.

89. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Unable to pay one's debt

- A. Insolvent B. Impute
C. Indebt D. Obligate

Ans. A.

90. Out of the four alternatives, choose the one which can be substituted for the given words/sentences and click the button corresponding to it.

Trouble and annoy continually

- A. Complaint B. Harass
C. Punish D. Oppress

Ans. B.

91. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative

and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement". The Chairman's harsh words like insult to injury to the embarrassed speaker.

- A. added B. evoked
C. invoked D. No improvement

Ans. A.

92. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

He is in of sorts today.

- A. out B. on
C. outside D. No improvement

Ans. A.

93. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

She told to me the news.

- A. said me B. said to me
C. told me D. No improvement

Ans. C.

94. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

The philanthropist bestowed a lakh to the orphanage.

- A. granted B. parted with
C. donated D. No improvement

Ans. C.

95. A sentence/a part of the sentence is underlined. Four alternatives are given to the underlined part which will improve the sentence. Choose the correct alternative and click the button corresponding to it. In case no improvement is needed, click the button corresponding to "No improvement".

There are a better ways of solving the problem.

- A. There are different ways of solving a problem.
B. There is a better way of looking at the problem.
C. There are better ways of solving the problem.
D. No improvement

Ans. C..

96. A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each out of the four alternatives and click the button corresponding to it.

In general it is better to use too little make-up than too much. The audience should not be aware that the actor's face is painted. For the actor who is playing his own age, the artist uses make-up to strengthen the features, particularly eyes and mouth, and to add lifelike colour to the face. Character make-up does these things in addition to transforming the face to another age, another type or another race. This

transformation, particularly for young actors playing old characters, can be helped greatly by hats and hairdos.

Make-up consists of applying a base colour, then modelling the face by highlighting and shadowing (sinking the cheeks, for example, with a darker colour). Sometimes, modelling is done by applying false (putty or plastic) noses, enlarged eyebrows, or scars. Lines to suggest wrinkles are drawn on with a dark make-up pencil (brown or maroon, not black) or brush. Each line is highlighted with another line, either white or a light tint of the base colour. Lips are outlined and coloured, and a similar colour is applied to the cheeks. After make-up is complete, powder is applied.

The artist uses make-up to strengthen the features, particularly eyes and mouth, and to add life like colours to the face for the actor who is playing _____ .

- A. the lead role
- B. the old man or woman
- C. his own age
- D. the role of the clown

Ans. C.