**Direction (1-5):** *Read the following passage carefully and answer the question given below-*

We shall go on to the end, we shall fight in France, we shall fight on the seas and oceans, we shall fight with the growing confidence and strength in the air, we shall defend our island whatever the cost may be, we shall fight on the beaches, we shall fight on the landing grounds, we shall fight in the fields and in the streets, we shall fight in the hills. We shall never surrender, and even if this island or a large part of it were subjugated and starving, then out empire beyond the seas would carry on the struggle, until the New World steps forth to the rescue and the liberation of the Old.

1. On the basis of the passage which of the following statements may be said to be correct?
   A. The speaker is encouraging his men for the conquest of France
   B. The speaker is an aggressive and maniacal war-monger
   C. The speaker is not satisfied with the conquest of the island
   D. The speaker is a patriot urging the defense of his motherland

2. The speaker in the passage wants to go on fighting because:-
   A. He is a raving lunatic
   B. He is in a state of utter despair
   C. He expects help from other quarters
   D. He is the leader of a suicide squad

3. Which of the following pair of the phrases helps best to bring out the intention of the speaker?
   A. "Go on the end", "shall never surrender"
   B. "Growing confidence", "subjected and starving"
   C. "Subjugated and starving", "fighting on the landing ground"
   D. "Fighting in the streets", "subjugated and starving"

4. The passage consists of repetitive patterns in syntax and vocabulary. The effect of this style is that it –
   A. Reveals the speaker's defects in giving a speech
   B. Produces the impression of bad poetry
   C. Conveys the speaker's helpless situation
   D. Reinforces the speaker's basic intention

5. The tone of the speaker is:-
   A. Pleading and urging
   B. Inspiring and encouraging
   C. Discouraging and gloomy
   D. Menacing and bullying

6. **Direction:** In each of the following choose the word most similar in meaning to the word given in capitals.
   "MEDDLE'
   A. Disregard          B. Overlook
   C. Interfere          D. Free

7. **Direction:** In each of the following choose the word most similar in meaning to the word given in capitals.
   "ABJURE"
   A. Renounce          B. Run off secretly
   C. Abide             D. Discuss

8. **Direction:** In each of the following choose the word most similar in meaning to the word given in capitals.
   "ESTRANGE"
   A. Endanger
   B. To become puzzling
   C. Miscalculate
   D. Alienate

9. **Direction:** In each of the following choose the word most nearly opposite in meaning to the word given in capitals.
   "DEROGATORY"
   A. Conferred          B. Immediate
   C. Praising           D. Private

10. **Direction:** In each of the following choose the word most nearly opposite in meaning to the word given in capitals.
    "WANE"
    A. Widen             B. Poor
    C. Swell             D. Tight

11. **Direction:** In each of the following question, find out which part has an error.
    The police have
    A. /arrested the thief
    B. /who broke into my house
    C. / last night
    D. No Error

12. **Direction:** In each of the following question, find out which part has an error.
    The man who
    A. /they thought to be
    B. /a gentleman turned out
    C. /to be a rougue
    D. No error

13. **Direction:** In each of the following question, find out which part has an error.
    I told him on his face
    A. /that he could not hope
    B. / to pass the stringent
    C. / Medical examination of the Service Selection Board
    D. No error

14. **Direction:** In each of the following question, find out which part has an error.
    Mohan is one of those boys
    A. / who has expressed
    B. / willingness for joining
    C. / the educational tour.
    D. No error

15. **Direction:** In each of the following question, find out which part has an error.
    I may spend
    A. / this summer vacations
    B. / with one of my friends
    C. / in the back water of Kerala
    D. No error

16. **Direction:** Pick up the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
    According to the weather _____ it is going to be cloudy today.
    A. Announcement     B. Indication
    C. Prediction       D. Forecast

17. **Direction:** Pick up the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
    The villagers _____ the murder of their leader by burning the police van.
    A. Protested        B. Avenged
    C. Mourned          D. Consoled

18. **Direction:** Pick up the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
    While on a routine flight, the aircraft was hit by a missile and _____ into flames.
    A. Fired            B. Burst
    C. Caught           D. Engulfed

19. **Direction:** Pick up the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
    Hari got the company car for a _____ price as he was the senior most employee in the company.
    A. Reduced          B. Discounted
    C. Fixed            D. Nominal

20. **Direction:** Pick up the most effective word from the given words to fill in the blanks to make the sentence meaningfully complete.
    The unruly behavior of the soldiers _____ their commander
    A. Clashed          B. Aggrieved
    C. Incensed         D. Impeached

21. Who accorded the title 'Mahatma' to MK Gandhi?
    A. Sardar Patel
    B. Nehru
    C. Sarojini Naidu
    D. Rabindranath Tagore

22. The Non Co-operation Movement started in which year?
    A. 1900             B. 1920
    C. 1940             D. 1935

23. During the Middle Ages education was confined only to:-
    A. Kshatriyas       B. Brahmins
    C. Peasants         D. Shudras

24. Who among the following was responsible for the spread of Buddhism in Sri Lanka?
    A. Ashoka
    B. Mahavira
    C. Parsavanth
    D. Chandra Gupta Maurya

25. The elements which have low value of ionization potential are strong:-
    A. Oxidizing agents
    B. Reducing agents
    C. Oxidizing and Reducing agents depending upon the reactants
    D. none of these

26. Wayne Rooney, the famous footballer, hails from which country?
    A. Italy            B. Brazil
    C. Argentina        D. England

27. The official song 'WakaWaka' of FIFA World Cup held in the year 2010 at South Africa was sung by which popular singer?
    A. Madonna
    B. Destiny Child
    C. Shakira
    D. Rehanna

28. In the year 2011, the ace badminton player Saina Nehwal was honoured with which sports award?
    A. Dronacharya award
    B. Rajiv Gandhi Khel Ratna award
    C. Arjun award
    D. None of these

29. Term 'Visible Horizon' in astronomy is defined as:-
    A. The circle of contact of the earth and the cone of visual rays passing through the meridian of the place.
    B. The circle of contact of the earth and the cone of visual rays not passing through the meridian of the place.
    C. The circle of contact of the earth and the cone of visual rays passing through the point of observation.
    D. The circle of contact of the earth and the cone of visual rays not passing through the point of observation.

30. NREGA stands for:-
   A. National Revenue Engagement Guarantee Association
   B. National Rural Employment Guarantee Act
   C. National Rural Employment Guarantee Association
   D. National Revenue Employment Guarantee Act
31. River Satluj originates from:-
   A. Northern slopes of the Kailash range
   B. Spring at Verinarg
   C. Rakas Lake
   D. Amakantak plateau
32. Limonitic ore is the ore of which metal?
   A. Iron                B. Aluminium
   C. Zinc                D. Cobalt
33. Black revolution relates to which of the following?
   A. Self-dependence in food grains production
   B. Self-dependence in milk production
   C. Self-dependence in petroleum/crude oil
   D. None of these
34. Karrar is the unmanned bomber aircraft of:-
   A. Iraq                B. Iran
   C. Turkey              D. Pakistan
35. Who is the author of book 'Keeping the Faith: Memoirs of a Parliamentarian'?
   A. David Omand         B. Raja Shehadeh
   C. Raghav Bahl         D. Somnath Chatterjee
36. _____ is a thyroid hormone which controls the balance of calcium in the body.
   A. Calcitonin          B. Thyroxine
   C. Calmodulin          D. all of these
37. The cell wall in plants is interrupted by narrow pores carrying fine stands of cytoplasm which interlink the contents of the cells. These strands are called:-
   A. Plasmahole          B. Microvilli
   C. Plasmodesmata       D. Plasmalemma
38. Who is cricketer bestowed with an honorary commission in the Territorial Army?
   A. Sachin Tendulkar    B. Kapil Dev
   C. Virendra Sehwag     D. Harbhajan Singh
39. The transport phenomenon occurs only in _____ state of a gas and is _____
   A. Non-equilibrium, irreversible
   B. Non-equilibrium, reversible
   C. equilibrium, irreversible
   D. equilibrium, reversible
40. Which of the following compounds from nitrites with nitrous acid?
   A. Primary amines      B. Secondary amines
   C. Tertiary amines     D. All of these
41. The number whose square is equal to the difference of the squares of 37 and 23 is:-
   A. 45.09               B. 28.98
   C. 47.09               D. 28

42. The average age of 8 men is increased by 4 years when one of them whose age is 30 years is replaced by a new man. What is the age of new man?
   A. 55 Years            B. 62 Years
   C. 42 Years            D. 69 Years
43. A vessel, full of water, weighs 24 kg. When the vessel is 1/4 full, it weighs 9 kg. Find the weight of empty vessel.
   A. 4 kg                B. 5 kg
   C. 8 kg                D. 3 kg
44. If $a-b=4\ and\ ab=45$ find the value of $a^3-b^3$.
   A. 604                 B. 370
   C. 253                 D. 199
45. If $a/(a+b)=15/21,$ what is $(a+b)/(a-b)$ equal to?
   A. 13/9                B. 23/11
   C. 14/5                D. 21/9
46. $$\frac{(798+579)^2-(798-579)^2}{(798\times579)}=?$$
   A. 2                   B. 6
   C. 4                   D. 8
47. A man's average monthly expenditure for the first four months of the year was Rs. 231.25. For the next five months, the average monthly expenditure was Rs. 22.75 more than what it was during the first four months. If the person spent Rs. 605 in all during the remaining three months of the year, find what percentage of his annual income of Rs. 3500 did he save in the year?
   A. 10%                 B. 15%
   C. 20%                 D. 25%
48. The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is:-
   A. 1:2                 B. 2:3
   C. 3:4                 D. 3:5
49. 18 buckets of water fill a tank when the capacity of each bucket is 8 litres. How many buckets will be needed to fill the same tank, if the capacity of the bucket is 12 litres?
   A. 12
   B. 13.5
   C. 24
   D. Cannot be determined due to insufficient data
50. Srinivasan invests two equal amounts in two banks giving 8% and 12% rate of interest respectively. At the end of year the interest earned is Rs. 1500. Find the sum invested in each.
   A. Rs. 5800            B. Rs. 15000
   C. Rs. 7500            D. Rs. 17,000

51. The simple interest accrued on a sum of money at the end of four years is $1/5^{th}$ of its principal. What is the rate of interest per annum?
   A. 4%
   B. 5%
   C. 6%
   D. Inadequate data

52. A sum of Rs. 2600 is lent out into two parts, one at 9% and another at 7% if the total annual income is Rs. 206, find the money lent at 7%.
   A. Rs. 1400
   B. Rs. 900
   C. Rs. 1600
   D. Rs. 1200

53. In an election between two candidates 70% of the voters cast their votes, out of which 2% of the votes were declared invalid. A candidate got 7203 votes which was 60% of the total valid votes. Find the total number of voters enrolled in that election.
   A. 18050
   B. 17500
   C. 17000
   D. 7203

54. If the price of kerosene be raised by 11%, find by how much percent a house holder must reduce his consumption of kerosene so as not to increase his expenditure?
   A. 11%
   B. 9.09%
   C. 11.09%
   D. 8.25%

55. 75 pupils from a school appeared for an examination and 80% of them passed. Another school entered 10 more pupils than the first school and five pupils less than the first school passed. The pass % of in the second school was :
   A. 75%
   B. 84%
   C. 72%
   D. 64.7%

56. Divide Rs. 80 in the proportion of 3:6:7.
   A. Rs. 10, Rs. 35, Rs. 40
   B. Rs. 15, Rs. 30, Rs. 35
   C. Rs. 15, Rs. 35, Rs.30
   D. Rs. 10, Rs. 40, Rs. 35

57. Calculate the amount on Rs. 1875 for 2 year at 4% per annum, compounded yearly.
   A. Rs. 676
   B. Rs. 776
   C. Rs. 1778
   D. Rs. 2028

58. If x varies as y and x = 8 when y = 15 then the value of x when y = 10 is:
   A. 5
   B. 15/8
   C. 8/15
   D. 16/3

59. In a mixture of 60 litres, the ratio of milk and water is 2:1. What amount of water must be added to make the ratio of milk and water as 1:2?
   A. 42 Litres
   B. 56 Litres
   C. 60 Litres
   D. 77 Litres

60. A sum of Rs. 10,000 is lent partly at 6% and the remaining at 10% p.a. If the yearly interest on the average is 9.2%, the money lent at 10% is:-
   A. Rs. 8000
   B. Rs. 8500
   C. Rs. 5000
   D. Rs. 2000

61. **Direction:** Choose the word is least like the other words in the group
   A. Garo
   B. Khasi
   C. Kangra
   D. Jayantia

62. **Direction:** Choose the word is least like the other words in the group
   A. Virgo
   B. Pisces
   C. Cancer
   D. Orion

63. **Direction:** Choose the word is least like the other words in the group
   A. Shoulder
   B. Foot
   C. Finger
   D. Elbow

64. **Direction:** Choose the word is least like the other words in the group
   A. Canoe
   B. Dingy
   C. Yatch
   D. Igloo

65. **Direction:** Choose the word is least like the other words in the group
   A. Inn
   B. Club
   C. Motel
   D. Hostel

66. **Direction:** The following question consist of two words that have a certain relationship to each other, followed by four alternatives. Select the best alternative that has the same relationship as the original pair of words
   Liquor: Drink
   A. Bread: Butter
   B. Tea: Beverage
   C. Sniff: Inhale
   D. Water: Sip

67. **Direction:** *The following question consist of two words that have a certain relationship to each other, followed by four alternatives. Select the best alternative that has the same relationship as the original pair of words*
   Evaporation: Cloud
   A. Mountain: Snow
   B. Book: Pages
   C. Pressure: Atmosphere
   D. Tension: Breakdown

68. **Direction:** *The following question consist of two words that have a certain relationship to each other, followed by four alternatives. Select the best alternative that has the same relationship as the original pair of words*
   Barrel: Vial
   A. Book: Pamphlet
   B. Book: Reader
   C. Brochure: Complier
   D. Length: Height

69. **Direction:** *The following question consist of two words that have a certain relationship to each other, followed by four alternatives. Select the best alternative that has the same relationship as the original pair of words*
   Cream: Cosmetics
   A. Tiger: Forest
   B. Mountain: Valley
   C. Magazine: Editor
   D. Teak: Wood

70. **Direction:** *The following question consist of two words that have a certain relationship to each other, followed by four alternatives. Select the best alternative that has the same relationship as the original pair of words*

Carnivore: Herbivore

A. Flesh: Plant     B. Horse: Lion
C. Camel: Giraffe     D. Animal: Bird

71. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Hamlet: Macbeth: Faustus**

A. They were Princes.
B. They are plays by Shakespear
C. They are characters from various dramas.
D. They were romantic heroes.

72. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Vesuvius: Etna: Kilimanjaro**

A. These are sites of volcanoes.
B. These are island countries.
C. These are hills of Italy.
D. These lie in polar region

73. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**knot: Watt: Fathom**

A. The terms are used by sailors.

B. The terms are used for installing electricity.

C. The terms are connected with rope.
D. They are units of measurement.

74. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Baruni: Digboi: Ankleshwar**

A. They are famous for oil fields.
B. They are famous religious places.
C. They are tourist places of South India.
D. They are famous for handlooms.

75. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Knight: Rook: Bishop**

A. These are missionaries.
B. These are churchmen.
C. These are chessmen.
D. These are ranks of military.

76. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Abhi Bhattacharya: Utpal Dutt: Satyajit Ray**

A. They are character actors.
B. They are directors of Bengali movies.
C. They are famous poets and writers.
D. These personalities belong to Bengal.

77. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Voodoo: Sorcery: Necromancy**

A. They are ancient arts found in sculptures.
B. They are terms connected with black magic.
C. They are ancient scripts.
D. They are means of communication of pre-historic age.

78. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Rourkela: Bokaro: Durgapur**

A. They have steel plants.
B. They have coal mines.
C. They have atomic power plants.
D. They are on the sea coast.

79. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

**Spinach: Fenugreek: Celery**

A. These are cactus plants.
B. These are wild plants.
C. These are wild flowers.
D. These are leafy vegetables

80. **Direction:** *Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.*

    **Yeats: Ghalib: Kabir**
    A. They were social reformers.
    B. They were famous poets.
    C. They were saints.
    D. They were yoga instructors.

81. **Direction:** *There are two sets of figures namely the Problem figures containing five figures 1, 2, 3, 4 5 and Answer figures (a), (b), (c), (d). You have to select one figure from the Answer figures which will continue the same series as given in the Problem figures.*

    Question Figures
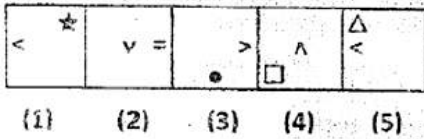
    

    (1)   (2)   (3)   (4)   (5)

    Answer Figures
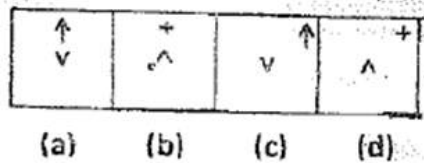
    

    (a)   (b)   (c)   (d)

    A. Figure (a)          B. Figure (b)
    C. Figure (c)          D. Figure (d)

82. **Direction:** *There are two sets of figures namely the Problem figures containing five figures 1, 2, 3, 4 5 and Answer figures (a), (b), (c), (d). You have to select one figure from the Answer figures which will continue the same series as given in the Problem figures.*
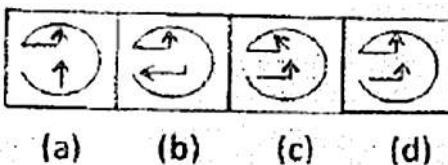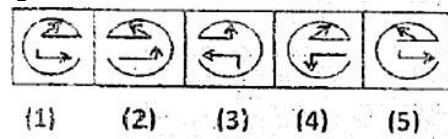
    

    (1)   (2)   (3)   (4)   (5)

    

    (a)   (b)   (c)   (d)

    A. Figure (a)          B. Figure (b)
    C. Figure (c)          D. Figure (d)

83. **Direction:** *There are two sets of figures namely the Problem figures containing five figures 1, 2, 3, 4 5 and Answer figures (a), (b), (c), (d). You have to select one figure from the Answer figures which will continue the same series as given in the Problem figures.*
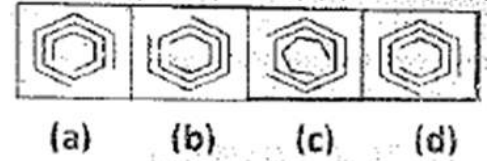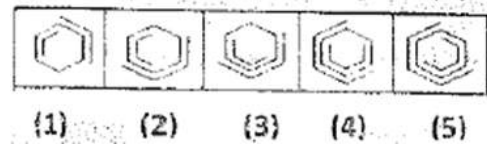
    

    (1)   (2)   (3)   (4)   (5)

    

    (a)   (b)   (c)   (d)

    A. Figure (a)          B. Figure (b)
    C. Figure (c)          D. Figure (d)

84. **Direction:** There are two sets of figures namely the Problem figures containing five figures 1, 2, 3, 4 5 and Answer figures (a), (b), (c), (d). You have to select one figure from the Answer figures which will continue the same series as given in the Problem figures.
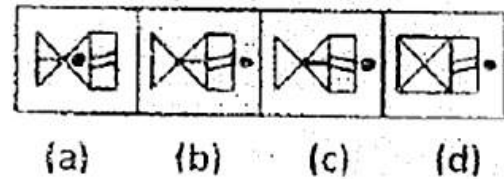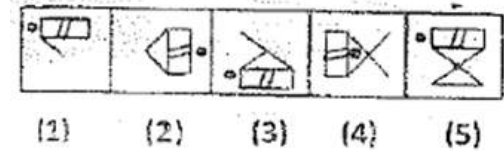
    

    (1)   (2)   (3)   (4)   (5)

    

    (a)   (b)   (c)   (d)

    A. Figure (a)          B. Figure (b)
    C. Figure (c)          D. Figure (d)

85. **Direction:** *There are two sets of figures namely the Problem figures containing five figures 1, 2, 3, 4 5 and Answer figures (a), (b), (c), (d). You have to select one figure from the Answer figures which will continue the same series as given in the Problem figures.*

    

    (1)   (2)   (3)   (4)   (5)

    

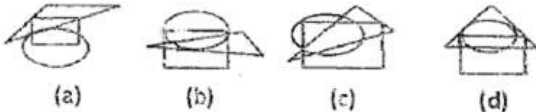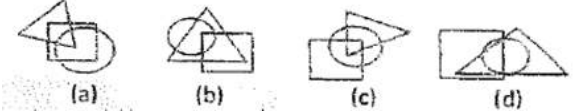    (a)   (b)   (c)   (d)
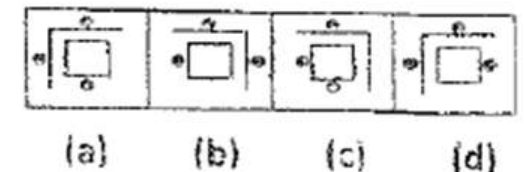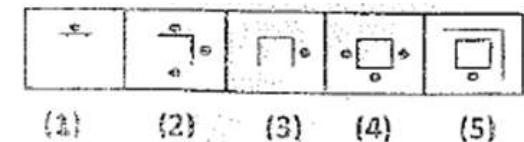
    A. Figure (a)          B. Figure (b)
    C. Figure (c)          D. Figure (d)

86. **Direction:** *The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot we have to observe the region in which it is enclosed i.e. In which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in fig. (X).*
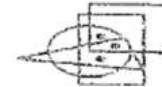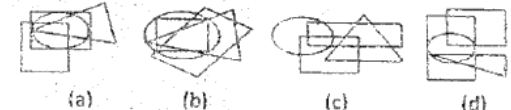


(X)



(a)          (b)          (c)          (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

87. **Direction:** *The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot we have to observe the region in which it is enclosed i.e. In which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in fig. (X).*



(X)



(a)          (b)          (c)          (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

88. **Direction:** *The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot, we have to observe the region in which it is enclosed i.e. In which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in fig. (X).*



(X)



(a)          (b)          (c)          (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

89. **Direction:** *The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot we have to observe the region in which it is enclosed i.e. In which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in fig. (X).*



(X)



(a)          (b)          (c)          (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

90. **Direction:** *The following situations involve a cluster of three or more geometrical figures, having one or more dots placed at any point inside the cluster. This cluster is followed by a set of four alternative figures each composed of a cluster of the same type of figures. Now, for each dot we have to observe the region in which it is enclosed i.e. In which of the geometrical figure this region is common. From amongst the figures marked (a), (b), (c) and (d), select the figure which satisfies the same conditions of placement of the dot as in fig. (X).*



(X)
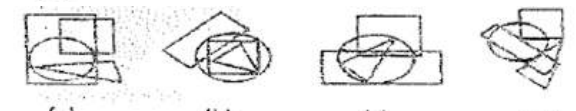


(a)          (b)          (c)          (d)

A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

91. **Direction:** *In this portion, a figure is given as an original figure (X) followed by four answer figures. The original figure is embedded or hidden in one of the answer figures (a, b, c, & d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figure.*
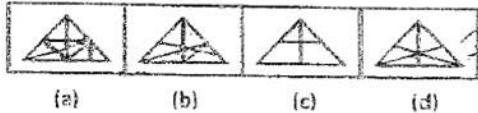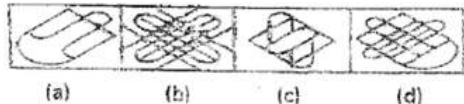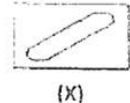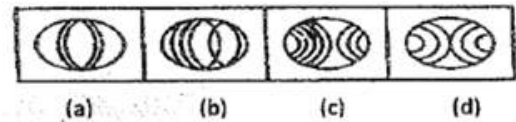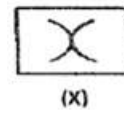


A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

92. **Direction:** *In this portion, a figure is given as an original figure (X) followed by four answer figures. The original figure is embedded or hidden in one of the answer figures (a, b, c, & d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figure.*
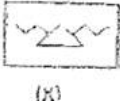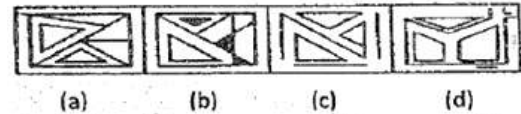


A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

93. **Direction:** *In this portion, a figure is given as an original figure (X) followed by four answer figures. The original figure is embedded or hidden in one of the answer figures (a, b, c, & d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figure.*
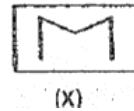


A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

94. **Direction:** *In this portion, a figure is given as an original figure (X) followed by four answer figures. The original figure is embedded or hidden in one of the answer figures (a, b, c, & d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figure.*
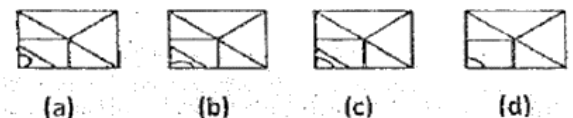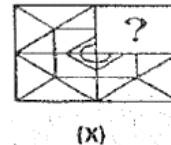


A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

95. **Direction:** *In this portion, a figure is given as an original figure (X) followed by four answer figures. The original figure is embedded or hidden in one of the answer figures (a, b, c, & d). Select the alternative that carries the correct figure which clearly shows the embedded portion of the original figure.*
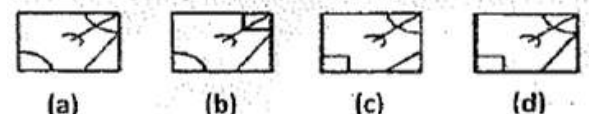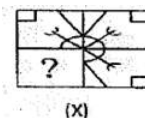


A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

96. **Direction:** In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) or (d), the right figure to fit in the missing figure (X).



A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

97. **Direction:** In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) or (d), the right figure to fit in the missing figure (X).



A. Figure (a)       B. Figure (b)
C. Figure (c)       D. Figure (d)

98. **Direction:** *In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) or (d), the right figure to fit in the missing figure (X).*
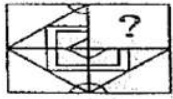


(X)



(a)    (b)    (c)    (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

99. **Direction:** *In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) or (d), the right figure to fit in the missing figure (X).*



(X)



(a)    (b)    (c)    (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

100. **Direction:** *In each of the following questions, a part of the figure is missing. Find out from the given options (a), (b), (c) or (d), the right figure to fit in the missing figure (X).*
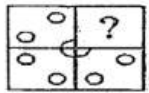


(X)



(a)    (b)    (c)    (d)

A. Figure (a)          B. Figure (b)
C. Figure (c)          D. Figure (d)

## ANSWERS

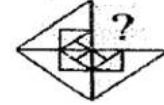| | | | | |
|---|---|---|---|---|
| 1. Ans. D. | 21. Ans. D. | 41. Ans. B. | 61. Ans. C. | 81. Ans. C. |
| 2. Ans. C. | 22. Ans. B. | 42. Ans. B. | 62. Ans. D. | 82. Ans. D. |
| 3. Ans. A. | 23. Ans. B. | 43. Ans. A. | 63. Ans. B. | 83. Ans. D. |
| 4. Ans. D. | 24. Ans. A. | 44. Ans. A. | 64. Ans. D. | 84. Ans. C. |
| 5. Ans. B. | 25. Ans. C. | 45. Ans. D. | 65. Ans. B. | 85. Ans. C. |
| 6. Ans. C. | 26. Ans. D. | 46. Ans. C. | 66. Ans. B. | 86. Ans. D. |
| 7. Ans. A. | 27. Ans. C. | 47. Ans. C. | 67. Ans. D. | 87. Ans. B. |
| 8. Ans. D. | 28. Ans. B. | 48. Ans. B. | 68. Ans. A. | 88. Ans. C. |
| 9. Ans. C. | 29. Ans. C. | 49. Ans. A. | 69. Ans. D. | 89. Ans. B. |
| 10. Ans. A. | 30. Ans. B. | 50. Ans. C. | 70. Ans. A. | 90. Ans. B. |
| 11. Ans. D. | 31. Ans. C. | 51. Ans. B. | 71. Ans. C. | 91. Ans. B. |
| 12. Ans. C. | 32. Ans. A. | 52. Ans. A. | 72. Ans. A. | 92. Ans. D. |
| 13. Ans. A. | 33. Ans. C. | 53. Ans. B. | 73. Ans. D. | 93. Ans. B. |
| 14. Ans. A. | 34. Ans. B. | 54. Ans. B. | 74. Ans. A. | 94. Ans. D. |
| 15. Ans. A. | 35. Ans. D. | 55. Ans. D. | 75. Ans. C. | 95. Ans. B. |
| 16. Ans. D. | 36. Ans. A. | 56. Ans. B. | 76. Ans. D. | 96. Ans. C. |
| 17. Ans. A. | 37. Ans. C. | 57. Ans. D. | 77. Ans. B. | 97. Ans. D. |
| 18. Ans. B. | 38. Ans. B. | 58. Ans. D. | 78. Ans. A. | 98. Ans. B. |
| 19. Ans. D. | 39. Ans. C. | 59. Ans. C. | 79. Ans. D. | 99. Ans. B. |
| 20. Ans. C. | 40. Ans. D. | 60. Ans. A. | 80. Ans. B. | 100. Ans. A. |

***

# SOLUTIONS

1. Ans. D.
Since the author said," we shall defend our island whatever the cost may be" made clear that the speaker is a patriot urging the defense of his motherland.

2. Ans. C.
The makes his sentiments very clear by saying - on the struggle, until the New World steps forth to the rescue and the liberation of the Old.

3. Ans. A.
The statement "Go on to the end" and " shall never surrender" show the pstriotism and determination of the author.

4. Ans. D.
The effect of repetitive pattern used in the passage is that it reinforces the speaker's basic intention.

5. Ans. B.
The tone of the speaker is inspiring and encouraging.

6. Ans. C.
MEDDLE means interfere in something that is no one's concern.

7. Ans. A.
ABJURE means solemnly renounce (a belief, cause, or claim).

8. Ans. D.
ESTRANGE means cause (someone) to be no longer on friendly terms with someone. Alienate also means same - make (someone) feel isolated or estranged.

9. Ans. C.
Derogatory means showing a critical or disrespectful attitude and, Praising means express warm approval. Both words are opposite in nature.

10. Ans. A.
WANE means (of a state or feeling) decrease in vigour or extent. And widen means broaden, increase. Both are nearly opposite in meaning.

11. Ans. D.
No Error

12. Ans. C.
The spelling of rouge is misspelt as rogue.

13. Ans. A.
Could is used in hypothetical situation, where we want to express ability except willingness. So, 'could' should be replaced with should.

14. Ans. A.
'has' should be replaced with 'have'.

15. Ans. A.
Here 'vacations' should be singular as 'vacation'.

16. Ans. D.
Weather is always forecasted.

17. Ans. A.
Protested is used because here the villagers express their feeling by making an objection to what has been done.

18. Ans. B.
'Burst' is break open or apart suddenly and violently, especially as a result of an impact or internal pressure.So Burst is the most appropriate word.

19. Ans. D.
'Nominal' is most appropriate word.

20. Ans. C.
'Incensed is the most appropriate word.

21. Ans. D.
Rabindranath Tagore accorded the title Mahatma to MK Gandhi.

22. Ans. B.
Non-cooperation movement was started by Mahatma Gandhi in 1920 to drive the British out of the country.

23. Ans. B.
During the Middle Ages education was confined only to Brahmins.

24. Ans. A.
Buddhism was introduced into Sri Lanka in the third century BCE after the Third Buddhist council by Mahinda Bhikkhu, son of Emperor Ashoka.

25. Ans. C.
Oxidizing and reducing agents depend upon the reactant. Oxidizing and reducing agents are key terms used in describing the reactants in redox reactions that transfer electrons between reactants to form products.

26. Ans. D.
Wayne Rooney was born on October 24, 1985, in Croxteth, Liverpool, England.

27. Ans. C.
"Waka Waka (This Time for Africa, is a song by Colombian singer Shakira was released on 7 May2010 by Epic Records as the official song of the 2010 FIFA World Cup, which was held in South Africa.

28. Ans. B.
In the year 2011, Saina was selected for the prestigious Rajiv Gandhi Khel Ratna award, the country's sporting honour, for her outstanding achievements in badminton.

29. Ans. C.
Visible Horizon is the circle of contract, with the earth, of the cone of visual rays passing through the point of observation.

30. Ans. B.
National Rural Employment Guarantee Act 2005 (NREGA later renamed as the "Mahatma Gandhi National Rural Employment Guarantee Act", MGNREGA), is an Indian labour law and social security measure that aims to guarantee the 'right to work'.

31. Ans. C.
The origin of the Sutlej River is located close to Lake Rakhastal in Tibet in the vicinity of the Kailash Mountain Range. The Sutlej River usually runs according to a west to southwest itinerary moving into India via the *Shipki* La Pass located in Himachal Pradesh

32. Ans. A.
Limonite is one of the two principal iron ores, the other being hematite, and has been mined for the production of iron.

33. Ans. C.
Black revolution relates to petroleum production.

34. Ans. B.
The Karrar unmanned combat air vehicle produced for the military of Iran.

35. Ans. D.
Somnath Chatterjee is the author of book 'Keeping the Faith: Memoirs of a Parliamentarian'.

36. Ans. A.
Calcitonin is 32-amino acid linear polypeptide hormone that is produced in humans primarily by the parafollicular cells of the thyroid, and in many other animals in the ultimopharyngeal body. It acts to reduce blood calcium, opposing the effects of parathyroid hormone.

37. Ans. C.
Plasmodesmata are interrupted by narrow pores carrying fine strands of cytoplasm, which interlink the contents of the cells.

38. Ans. B.
Kapil Dev is the first Indian cricketer to get this honorary rank from Territorial Army.

39. Ans. C.
The transport phenomenon occurs only in equilibrium state of a gas and is irreversible.

40. Ans. D.
The acid and the nitrite form nitrous acid which then reacts with the amine.

41. Ans. B.
$37^2 - 23^2 = 840$

Required number $= \sqrt{840} = 28.98$

42. Ans. B.
Let the average of 8 men be x. Age of new man be N.
Total age of 8 men = 8x
$\Rightarrow x + 4 = ((8x - 30) + N)/8$
$\Rightarrow 8x + 32 = 8x - 30 + N$
$\Rightarrow N = 32 + 30$
$\Rightarrow N = 62$

43. Ans. A.
Let the weight of vessel be x
Weight of water = 24 − x
$\Rightarrow (24 - x)/4 + x = 9$
$\Rightarrow 24 - x + 4x = 36$
$\Rightarrow 3x = 12$
$\Rightarrow x = 4$ kg

44. Ans. A.
$(a - b)^2 = a^2 + b^2 - 2ab$
$\Rightarrow 16 = a^2 + b^2 - 90$
$\Rightarrow a^2 + b^2 = 106$
$a^3 - b^3 = (a - b)(a^2 + b^2 + ab)$
$\Rightarrow a^3 - b^3 = 4 \times (106 + 45)$
$\Rightarrow a^3 - b^3 = 4 \times 151$
$\Rightarrow a^3 - b^3 = 604$

45. Ans. D.
$a/(a + b) = 15/21 \rightarrow a = 15, a + b = 21 \rightarrow b = 21 - 15 = 6$
$\Rightarrow a - b = 15 - 6 = 9$
$\Rightarrow (a + b)/(a - b) = 21/9$

46. Ans. C.
This can easily be solved by using $(a + b)^2$ and $(a - b)^2$ formula
$\Rightarrow [(798)^2 + (579)^2 + 2(798 \times 579) - (798)^2 - (579)^2 + 2(798 \times 579)] / (798 \times 579)$
$\Rightarrow 4(798 \times 579) / (798 \times 579)$
$\Rightarrow 4$

47. Ans. C.
A man's average monthly expenditure for the first four months of the year = Rs.231.25.
For four month = 231.25 * 4 = Rs. 925
For next five month he spend = 231.25 + 22.75 for one month.
In five month he spend = (231.25 + 22.75) X 5 = 1270
If the person spent Rs. 605 in all during the remaining three months of the year,
Total expense = 925+1270+605= 2800
Saving = 3500-2800 = 700
% saving = 700/3500 * 100 = 20 %

48. Ans. B.
Let the ratio be x : y
Total boys = 16.4 X x
Total girls = 15.4 X y
Total number of students in class = 16.4x + 15.4y
The average age of all students is 15.8
The total age of boys is 15.8x
The total age of girls is 15.8y
16.4x + 15.4y = 15.8x + 15.8y
0.6 x = 0.4 y
x/y = 0.4/0.6 = 2/3

49. Ans. A.
Capacity of tank = (8 X 18) = 144 litres
If the capacity of each bucket = 12 litres
Then, Nunber of buckets needed = 144 / 12 = 12 buckets

50. Ans. C.
Let the sum invested be x.
$\Rightarrow 8x/100 + 12x/100 = 1500$
$\Rightarrow 20x = 150000$
$\Rightarrow x = 7500$

**51. Ans. B.**
Let principal be x.
Simple interest = x/5
Time = 4 years
Rate of interest = 100 X SI/ (P X Time)
R = 100 X x/5 /(x X 4)
R= 20/4 = 5%

**52. Ans. A.**
Money lent at 9% = x
Money lent at 7% = (2600 – x)
⇒ 9x/100 + (2600 – x) X 7 /100 = 206
⇒ 9x + 18200 – 7x = 20600
⇒ 2x = 2400
⇒ x = 1200
Money lent at 7% = 2600-1200 = 1400

**53. Ans. B.**
Let total number of votes enrolled = x
No. of voted cast = 70% of x = 0.7x
Valid votes = 98% of 0.7x
⇒ 60% of total valid votes = 7203 = 60% of 98% of 0.7x
⇒ 0.6 X 0.98 X 0.7x = 7203
⇒ x = 7203 / (0.6 X 0.98 X 0.7)
⇒ x = 17500

**54. Ans. B.**
Let the price of kerosene be x and household consumption be y.
Expenditure = xy
New cost of kerosene = 1.1x, let new household consumption be z.
In order to not to increase expenditure,
xy = 1.1x * a
⇒ a= 10y/ 11
⇒ consumption should decrease by = 1/11 X 100 = 9.09%

**55. Ans. D.**
no of pupils pupil from first school for examination= 75
No. of pupil passed = 80% of 75 = 60
No. of pupil from second school = 85
No .of pupil passed from 2nd school = 55
Pass % from second school = 55/85 X 100 = 64.70%

**56. Ans. B.**
3/16 X 80, 6/16 X 80, 7/16 X 80
⇒ 15, 30, 35

**57. Ans. D.**
Amount = P(1 + r/100)$^t$
Amount = 1875(1 + 4/100)$^2$
Amount = 1875(104/100)(104/100)
Amount = 2028

**58. Ans. D.**
x : y = 8 : 15
If y = 10, x = 8/15 X 10
y = 16/3

**59. Ans. C.**
Ratio of milk and water = 2 : 1
Quantity of milk = 60 X 2/3 = 40 litre
Quantity of water = 20 litre
To make ratio, 1: 2, we have to double the water that of milk
So, water should be 80 litre.
That means 80 – 20 = 60 litre water to be added.

**60. Ans. A.**
Let the amount at 6% be x
Amount at 10% be (10000 –x)
At 9.2 % interest, SI = 10000 X 9.2 X 1/100 = 920
Amount = 10920
⇒ 6x/100 + (10000 – x)10/100 = 920
⇒ 6x – 10x + 100000 = 92000
⇒ 4x = 8000
⇒ x = 2000
Money lent at 10 % = 10000 – 2000 = 8000

**61. Ans. C.**
All except Kangra is a hill. Kangra is a valley.

**62. Ans. D.**
Virgo, Pisces and Cancer are zodiac sign but Orion is not.

**63. Ans. B.**
All except foot are part of hands.

**64. Ans. D.**
Canoe, Dingy, Yatch are the type of boats while igloo is a type of houses.

**65. Ans. B.**
Inn, Hostel, Motel are the places for stay. But Club is not.

**66. Ans. B.**
Liquor is a type of drink same as tea is a type of beverages.

**67. Ans. D.**
Due to evaporation cloud forms. Similarly, Due to tension breakdown cause.

**68. Ans. A.**
Second is the bigger form of first.

**69. Ans. D.**
Creams belong to cosmetics class. Similarly teak is kind of wood so Teak:wood is correct options.

**70. Ans. A.**
Flesh eating animals are carnivore and plant eating animals are herbivores.

**71. Ans. C.**
They are characters from various dramas.

**72. Ans. A.**
These are sites of volcanoes.

**73. Ans. D.**
They are units of measurement.
The knot is a unit of speed equal to one nautical mile (1.852 km) per hour, approximately.
The Watt is a unit of power.
A fathom is a unit of length in the imperial and the U.S. customary systems equal to 6 feet (1.8288 metres).

74. Ans. A.

They are famous for oil fields.

75. Ans. C.

All these are the pieces in the game of chess.

76. Ans. D.

All these late silver screen personalities belonged to Bengal.

77. Ans. B.

They are terms connected with black magic.

78. Ans. A.

They have steel plants.

79. Ans. D.

These are leafy vegetables.

80. Ans. B.

They were famous poets.

81. Ans. C.

Option C suits best and will continue the same series. Because of the Sign of opposite of ^ will in 2 and 4 is opposite thus if we follow the same sequence then we get 6 and at this same as C and A, but in fig c both elements have some distance in vice verse Fig.a doesn't contain this. So ans is C

82. Ans. D.

The upper arrow will in upper direction and the lower arrow will also be in upper direction.

83. Ans. D.

Option D suits best and will be continue in the series.

84. Ans. C.

Option C fits best in the series.

85. Ans. C.

The position of middle dots changes its position in clockwise. And option C suits best in the series.

86. Ans. D.

The position of dots is enclosed in the same geometric region.

87. Ans. B.

The dots position is enclosed in same geometric position as in question.

88. Ans. C.

In fig. (X) the dot is placed in the region common to the circle and the triangle, amongst the four alternatives, only in fig. (3) , we have a region common to circle and triangle only. Hence, fig (3) is the answer.

89. Ans. B.

The dots position is enclosed in same geometric position as in question.

90. Ans. B.

The dots position is enclosed in same geometric position as in question.

91. Ans. B.

The original figure is embedded in option B.

92. Ans. D.

The original figure is embedded in option D.

93. Ans. B.

The original figure is embedded into the option B.

94. Ans. D.

The original figure fits in option D

95. Ans. B.

The original figure lies within the option B figure.

96. Ans. C.

The option C fits in the original figure perfectly.

97. Ans. D.

Option D fits perfectly in the original figure.

98. Ans. B.

Option B fits in the original figure perfectly.

99. Ans. B.

Option B fits the original figure perfectly. because of if put B in fig. X then inner circle is complete and inner two small circle is also in sequence. so option b is correct.

100. Ans. A.

Option A fits the original figure perfectly.

***