SSC MTS 20th July 2022 Shift-1

English Language

1. **Select the most appropriate ANTONYM of the underlined word.**
   After a long and <u>rigorous</u> fast the Lord appeared before him.

A   Sweaty

B   Exhausting

C   Oppressive

D   Lenient

   Answer: A

2. **Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.**

   Most workers <u>resigns to join</u> new jobs within the same industry.

A   resigned

B   was resigning

C   No improvement required

D   has resigned

   Answer: A

3. **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
   A tiger's skull / is similar / to / a lion.

A   is similar

B   A tiger's skull

C   a lion

D   to

   Answer: C

4. **Select the most appropriate option to fill in the blank.**
   My friend, who is a photographer, is _____ a writer.

A   also

B   too

C   again

D   and

   Answer: A

5. **Select the most appropriate option to fill in the blank.**
   The bank was prepared to _____ chance and lend him 40% of the purchase price.

A   make a

B   spare a

C   take a

D   see a

   Answer: C

6. **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

   People and / there demands / are ever-growing, but / the availability of land is limited.

A   People and

B   there demands

C   the availability of land is limited

D   are ever-growing, but

   Answer: B

7. **Select the most appropriate option to fill in the blank.**
   I'm frustrated with the _____ minded view of history this article presents.

A   small

B   wide

C   narrow

D   bigger

   Answer: C

8. **Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.**

   Caffeine is a diuretic that makes you urinate more often.

A   No improvement required

B   more much often

C   many often

D   oftenly more

   Answer: A

9. **Select the most appropriate meaning of the underlined idiom in the given sentence.**

   I always smell a rat when John says that he is going out for extra classes.

A Suspect trickery or deception

B Reveal a secret

C Trust completely

D Say something stupid

Answer: A

10. **Select the most appropriate option to fill in the blank.**
    The Armenian language has many dialects, some of which cannot be _____ by speakers of other dialects.

A understood

B realised

C memorised

D completed

Answer: A

11. **Select the option that can be used as a one-word substitute for the given group of words.**

    Someone who is silent or uncommunicative in speech.

A Garrulous

B Reserved

C Voluble

D Imperceptible

Answer: B

12. **Select the idiom that can substitute the underlined segment in the given sentence.**

    Roy's customers think that the council has underlined become irrational.

A Too much on their plates

B A piece of cake

C Browned off

D Gone bananas

Answer: D

13. **Select the most appropriate ANTONYM of the given word.**
    Ebullient

A Carefree

B Dejected

C Buoyant

D Roguish

Answer: B

14. **Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.**

    The family can <u>none long stay</u> in their big house.

A not stay longest

B No improvement required

C stay no long

D no longer stay

Answer: D

15. **Select the most appropriate synonym of the given word.**
    Enraged

A Peaceful

B Fortunate

C Furious

D Elated

Answer: C

16. **Select the INCORRECTLY spelt word.**

A Foriegn

B Secondary

C Evince

D Portfolio

Answer: A

17. **Select the most appropriate synonym of the given word.**
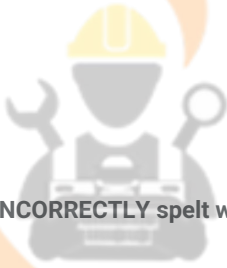   **Flagrant**

A Favourable

B Wonderful

C Magnificent

D Atrocious

Answer: D

18. **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.'**

    Many people believe that women make better nurses <u>because they are</u> patient and gentle.

A because she is

B as they would

C because they were

D No substitution required

   Answer: D

19. **Select the correctly spelt word.**

A Eqiupment

B Strengthen

C Instrumentle

D Reversel

   Answer: B

20. **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

    Many countries are not acting / fast enough to controlled / climate change.

A climate change

B Many countries are not acting

C No error

D fast enough to controlled

   Answer: D

Instructions [21 - 25]

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Elephant Island's name is attributed to (1) _____ its elephant head-like ppearance and the sighting of elephant seals (2) _____ Captain George Powell in 1821, one of the 3) _____ sightings. (4) _____, in Russia it is still known under the name (5) _____ by ts discoverers in 1821 - Mordvinova Island.

21. **Select the most appropriate option to fill in blank no. 1.**

A either

B also

C both

D neither

Answer: C

22. **Select the most appropriate option to fill in blank no. 2.**

A through

B from

C among

D by

Answer: D

23. **Select the most appropriate option to fill in blank no. 3.**

A earlier

B early

C most early

D earliest

Answer: D

24. **Select the most appropriate option to fill in blank no. 4.**

A Thus

B However

C Thereby

D Therefore

Answer: B

25. **Select the most appropriate option to fill in blank no. 5.**

A released

B sorted

C given

D looked

Answer: C
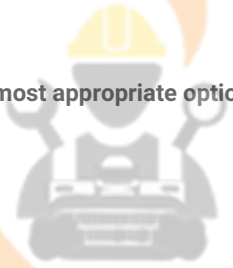
General Intelligence and Reasoning

26. Select the figure from among the given options that can replace the question mark (?) in the following series?
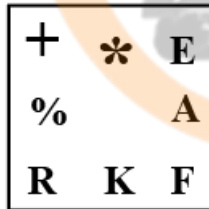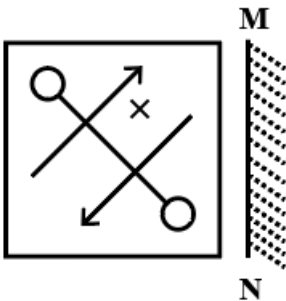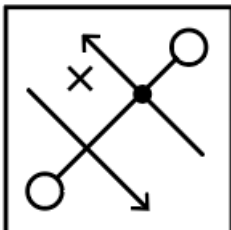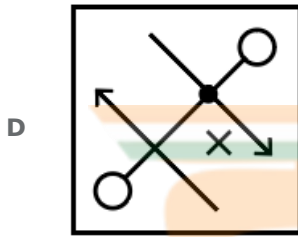
| A K R | F A K | E F A | * E F | ? |
| F | E R | * K R | % A R K | |

A
```
%  *  E
H     F
R  K  A
```

B
```
%  *  A
H     E
R  K  F
```
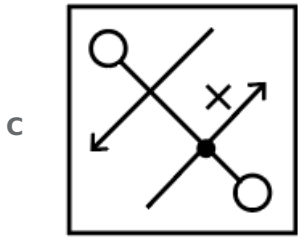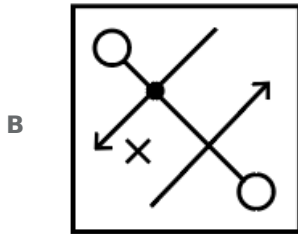
C
```
%  *  E
H     A
R  K  F
```

D
```
+  *  E
%     A
R  K  F
```

Answer: A

27. Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.

A

B

C

D

Answer: A

28. **Three boys T, R and M are sitting in a row facing towards the north (not necessarily in the same order), and three girls F, G and K are sitting in a row facing towards the face of these boys (not necessarily in the same order). F and R are diagonally opposite to each other. K is not at any of the ends.**

    Which of the following pairs of persons facing towards each other is/are definitely correct?
    I. GR
    II. KT

A Only I

B Only II

C Both I and II

D Neither I nor II

Answer: A

29. **Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.**

    KSZ : PHC :: TNK : ?

A MGN

B GNO

C GMO

D GMN

Answer: D

30. **Eight girls A, B, C, D, E, F, G and H are sitting around a circular table facing opposite to the centre (not necessarily in the same order). B is second to the left of D. F is third to the left of B. A is second to the left of F. C is second to the left of A. G is third to the left of E.**

Three out of the following four options are similar by a certain logic and form a group. Which of the following does NOT belong to that group?

A   A, C, E

B   D, B, H

C   D, H, G

D   C, E, F

   Answer: C

31. **Select the option in which the given figure is embedded. (Rotation is not allowed)**
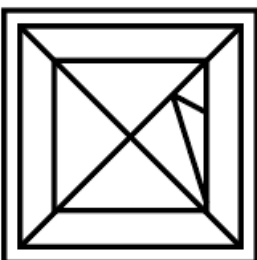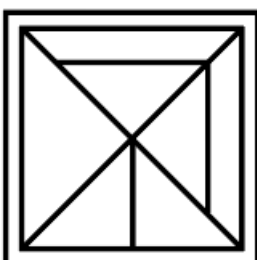

A

B

C

D

   Answer: B

32. **In a certain code language, 'GAME' is coded as '78', and 'PNAD' is coded as '105'. How will 'HORN' be coded in that language?**

A 135

B 165

C 145

D 170

Answer: B

33. **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**

   Statements:
   I. All cars are red.
   II. No blue is red.

   Conclusions:
   I. No car is blue.
   II. Some red are cars.

A Both conclusions I and II follow

B Only conclusion II follows

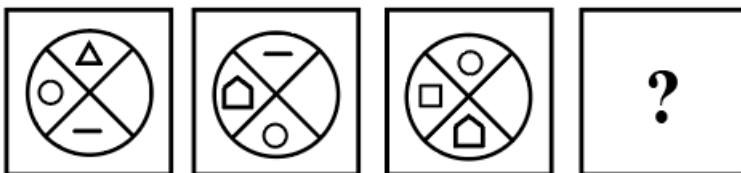C All conclusions follow
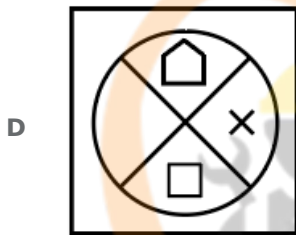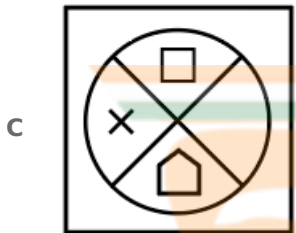
D None of the conclusions follow

Answer: C
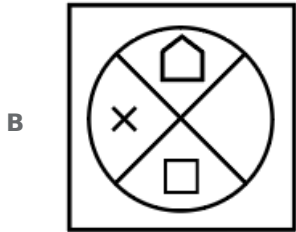
34. **n a certain code language, 'HALMST' is written as 'IZMLTS' and 'GEASTR' is written as 'HDBRUQ'. How will 'TRAILS' be written in that language?**

A UOBHMR

B UQBHNR

C UQBIMR

D UQBHMR

Answer: D

35. **Select the figure from the given options that can replace the question mark (?) in the following series.**

A

B

C

D
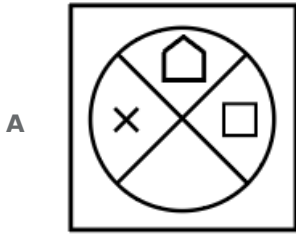
Answer: B

36. **Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number.**

    23 : 25 :: 17 : 64 :: 29 : ?

A 119

B 144

C 121

D 169

  Answer: C

37. **Select the number from among the given options that can replace the question mark (?) in the following series.**

    64, 51, 38, ?, 12, -1

A 25

B 22

C 27

D 24

   Answer: A

38. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

   Statements:
   I. Some games are lands.
   II. Some toys are games.

   Conclusions:
   I. Some toys are not lands.
   II. Some lands are games.

A Only conclusion I follows

B Neither conclusion I nor II follows

C Only conclusion II follows

D Both conclusions I and II follow

   Answer: C

39. In a certain code language, 'WORD' is written as 'CUXJ' and 'MOKE' is written as 'SUQK'. How will 'IDEA' be written in that language?

A OJKG

B OJLG

C OJLH

D OJMG

   Answer: A

40. Select the number from among the given options that can replace the question mark (?) in the following series.

   13, 51, 205, 819, 3277, ?

A 13109

B 13107

C 13108

D 13106

   Answer: B

41. Select the option in which the two numbers are related in the same way as are the numbers in the given number-pair.

   64 : 10 :: ?

A 84 : 12

B 54 : 12

C 32 : 1

D 42 : 8

 Answer: A

42. In a basket there are seven different fruits M, N, O, P, Q, R and S, each having a different weight. P is the heaviest. The weight of S is more than Q but less than O. The weight of M is the third lowest. R has the least weight. The weight of N is less than Q. How many fruits have more weight than S?

A 2

B 3

C 0

D 1

 Answer: D

43. **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**
 GROW, FSNX, ETMY, ?, CVKA

A DULX

B DVLA

C DVLZ
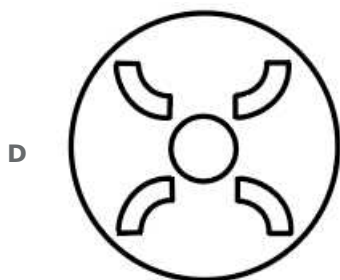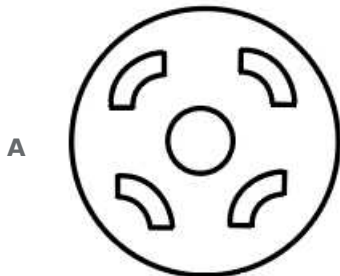
D DULZ

 Answer: D

44. **After interchanging which two numbers will the value of the given expression be '173'?**

 $52 - 36 + 141 \times 63 \div 47$

A 141 and 52

B 47 and 63

C 52 and 36

D 63 and 141

 Answer: C

45. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

A

B

C

D
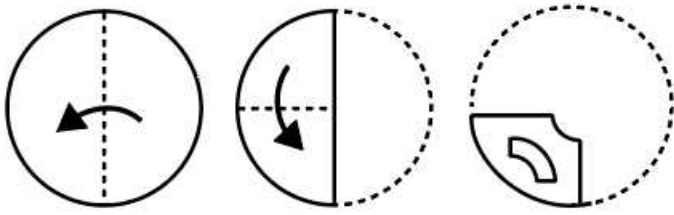
Answer: B

46. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

FNNC: CKKZ:: ADRS: XAOP:: BNNL: ?

A   ZKKI

B   ZKKJ

C   YKKI

D   YKKJ

Answer: C

47. **Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.**

    PRO : NOL :: HEL : ?

A   FIB

B   FCJ

C   FJC

D   FBI

   Answer: D

48. **Select the correct mirror image of the given figure when the mirror is placed to its right side.**

A

B

C

D
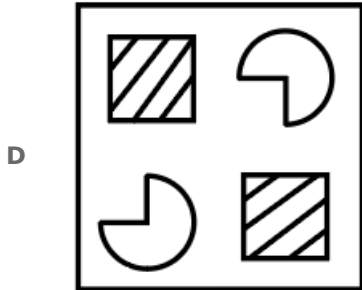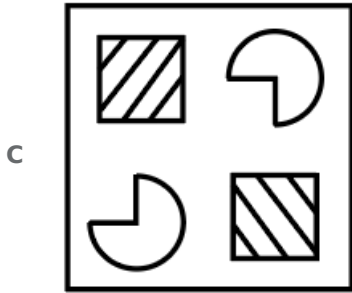
Answer: C

49. **In a certain code language, 'BASEBALL' is written as '45' and 'FEEDBACK' is written as '73'. How will 'PRACTICE' be written in that language?**

A 27

B 37

C 57

D 47

Answer: C

50. **After interchanging the given two signs and two numbers, what will be the value of the given expression?**

15 and 3; + and ÷

$$6 \div 3 + 5 \times 15 - 9 = ?$$

A 6

B 15

C 12

D 8

Answer: A

Numerical Aptitude

51. **The number of students in a hostel increases from 5400 to 6075. By what percentage should the hostel reduce the per head consumption of food, so that the expenditure on food does not increase?**

A $8\frac{1}{3}\%$

1

B $11\frac{1}{9}\%$

C $12\frac{1}{2}\%$

D 10%

   Answer: B

52. **The following pie chart shows the percentage distribution of employees in five departments of a company XYZ.**
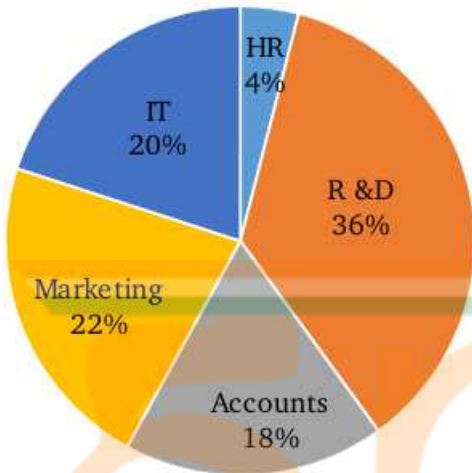
Total employees = 300

How many employees are there in the Marketing and Accounts departments taken together?

A 1500

B 1200

C 1250

D 1400

   Answer: B

53. **The following bar chart shows the number of flowers (in '000 kg) grown by a floriculturist in 5 consecutive years?**

The number of flowers grown in Y5 was 15% more than those grown in Y4. The number of flowers grown in Y6 was 20% more than those grown in Y5. What is the difference between the numbers of flowers grown in Y9 and Y4?

A 168000

B 142000

C 154000

D 132000

   Answer: C

54. The height of a cylinder is 3 cm more than the radius of its base. If the height is 10 cm, then what is the volume of this cylinder? [Use $\pi = \frac{22}{7}$]

A 1540 cm^3

B 1860 cm^3

C 2160 cm^3

D 1240 cm^3

   Answer: A

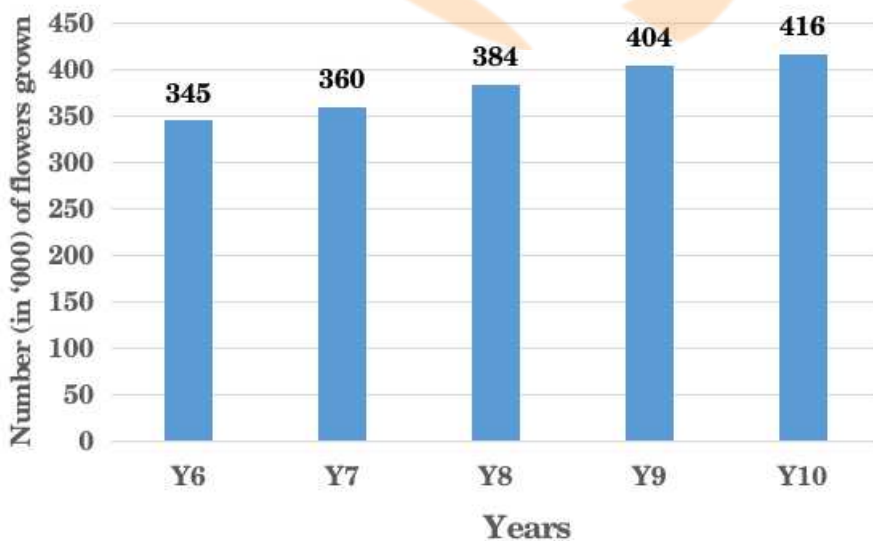55. Points P and Q are 400 km apart. A person starts from P towards Q at 6 a.m. at a speed of 20 km/h. Another person starts from Q towards P at 6:30 a.m. at a speed of 30 km/h. At what time will they meet?

A 1:48 p.m

B 2:18 p.m

C 1:38 p.m

D 2:28 p.m

   Answer: B

56. 140 liters of a solution is formed by mixing two solutions A and B. The concentrations of milk in A and B are 40% and 7 5%, respectively. If the resultant solution has a milk concentration of 52%, then what is the quantity of A that is there in the resultant solution?

A 92 litres

B 48 litres

C 65 litres

D 57 litres

   Answer: A

57. 8 girls and 12 boys can complete a piece of work in 4 days, while 10 girls and 6 boys can complete it in 6 days. How long will 5 girls and 3 boys take to complete this same piece of work?

A 12 days

B 14 days

C 11 days

D 13 days

   Answer: A

58. **A man takes 4 hours and 30 minutes to row a boat a distance of 18 km downtream, and 3 hours 30 minutes to row the boat a distance of 7 km upstream. Find the speed of the stream.**

A 4 km/h

B 2 km/h

C 3 km/h

D 1 km/h

   Answer: D

59. **What is the value of** $\dfrac{36 \div 9 \times 5 \div 15 + 7 \times 3}{6 \div 12 \times 3 \div 12 + 8 \times 3}$

A $\dfrac{528}{529}$

B $\dfrac{536}{579}$

C $\dfrac{487}{529}$

D $\dfrac{485}{569}$

   Answer: B

60. **What should come in place of the question mark (?) in the following mathematical statement?**
   $\dfrac{18}{60} \times \dfrac{15}{108} \times ? = ?$

A 456

B 470

C 466

D 442

   Answer: A

61. **P : Q = 4 : 5 and R is 15% less than Q. If Q = 300, then what is the sum of P and R?**

A 515

B 485

C 495

D 475

   Answer: C

62. The value of P varies directly as the square of Q. When Q is 4, then P is 48. What is the value of Q when P is 243?

A   3

B   27

C   9

D   81

   Answer: C

63. On selling 18 pens at ₹660, there is a profit equal to the cost price of 4 pens. What is the cost price of one pen (in ₹)?

A   33

B   45

C   30

D   22

   Answer: C

64. A camp of 250 soldiers has food for 600 days. After 60 days, 50 soldiers leave the camp. For how many days will the remaining food last from the time that these 50 soldiers left?

A   725 days

B   750 days

C   675 days

D   650 days

   Answer: C

65. Vishal and Param each sold their article at ₹1,818 but Vishal incurred a loss of 10%, while Param gained by 1%. What is the ratio of the cost price of Vishal's article to that of Param's article?

A   101 : 90

B   3 : 4

C   85 : 89

D   81 : 75

   Answer: A

66. A sum of ₹2,400 gives a simple interest of ₹504 in 3 years. Find the rate of interest per annum.

A   6%

B   10%

C   5%

D 7%

Answer: D

67. The average of 12 numbers is M and the average of 8 of these numbers is P. If the average of remaining numbers is then which of the following options is correct?

A 3M = 2P + N

B 4M = 2P + 3N

C 6M = 3P + 2N

D 6M = 2P + 3N

Answer: A

68. The ratio of the quatities imported of steel and iron in 2018 was 3 :2 and in 2020 it was 1 : 1. The ratio of the quantities imported of steel in 2018 and 2020 was 4 : 3. What was the ratio of the quantities impo1ied of iron in 2018 and 2020?

A 11 : 12

B 7 : 5

C 8 : 9

D 7 : 9

Answer: C

69. What is the radius of a circular field whose area is equal to the sum of the areas of three smaller circular fields of radii 8 m, 9 m and 12 m, respectively?

A 20 m

B 21 m

C 29 m

D 17 m

Answer: D

70. The average age of two friends, A and B, is 24 years. The average age of A, B and C is 22 years. What is the age of C?

A 22 years

B 18 years

C 21 years

D 20 years

Answer: B

71. **A toy is formed by placing a solid circular cone on a solid hemisphere and the radius of the common base of the cone and the hemisphere is 15 cm. If the volume of the toy is 285011 cm^3, then find the total surface area of that toy.**

A $815\pi cm^{2}$

B $755\pi cm^{2}$

C $705\pi cm^{2}$

D $685\pi cm^{2}$

   Answer: C

72. **A shopkeeper wants to make a profit of 8% after giving a discount of 14%. At what approximate percentage above the cost price should he mark his goods?**

A   22%

B   32.4%

C   25.6%

D   29%

   Answer: C

73. **The following table shows the total number of students in four different classes of a school, and the percentages of students participating in Music or Plays from each of these four different classes. NO student participates both in Music and in Plays.**

Classes	Total number of students in each class	Percentage of participants	
		Music	Plays
X	600	12	8
IX	400	10	6
VIII	280	30	15
VIII	250	10	12

   What is the total number of students who do NOT participate in Music or Plays from classes X and VII, taken together?

A   700

B   620

C   480

D   675

   Answer: D

74. **The compound interest earned by Sunil on a certain sum at the end of two years at the rate of 16% p.a., when interest is compounded annually, was ₹864. What was the sum invested by Sunil?**

A   ₹2,500

B ₹2,750

C ₹1,500

D ₹2,000

Answer: A

75. **Find the least possible number which when divided by 16, 24, and 28 leaves 13, 21 , and 25 as remainders, respectively.**

A 333

B 336

C 320

D 348

Answer: A

General Awareness

76. **Netaji Subhash Chandra Bose International airport is situated in _____.**

A Kolkata

B Mumbai

C Delhi

D Chennai

Answer: A

77. **The President of India can nominate maximum _____ members of the Anglo-Indian community to the House of the People, if in his option it is not adequately represented.**

A six

B three

C four

D two

Answer: D

78. **'An Unsuitable Boy' is the autobiography of _____.**

A Karan Johar

B Akshay Kumar

C Anurag Kashyap

D Salman Khan

Answer: A

79. **Minati Mishra was associated with which classical dance of India?**

A Kathak

B Kuchipudi

C Odissi

D Manipuri

Answer: C

80. **Which of the following terms is NOT associated with Tennis?**

A Service break

B Goal

C Set

D Volley

Answer: B

81. **Which water body is present to the south of India?**

A Pacific Ocean

B Arabian Sea

C Bay of Bengal

D Indian Ocean

Answer: D

82. **On the basis of age, the population of a nation is generally grouped into _____ broad categories.**

A Four

B Five

C Three

D Two

Answer: C

83. **Bihu is the folk dance form of which Indian state?**

A Maharashtra

B Assam

C Karnataka

D Bihar

   Answer: B

84. **Who among the following founded Arya Samaj in 1875?**

A Swami Dayanand Saraswati

B Ishwar Chandra Vidyasagar

C Raja Ram Mohan Roy

D Swami Vivekanand

   Answer: A

85. **Which Indian wrestler won a silver medal in Tokyo Olympics 2020?**

A Virat Kohli

B Vijender Singh

C Ravi Dahiya

D Yogeshwar Dutt

   Answer: C

86. **The aviation sector was inaugurated in India in the year _____ with the establishment of Tata Airlines.**
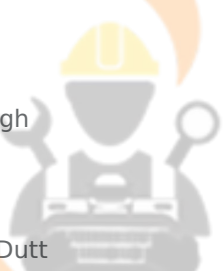
A 1925

B 1932

C 1929

D 1935

   Answer: B

87. **Which of the following statements is correct?**
   I. Gautama Buddha belonged to a small gana known as the Sakya gana and was a Kshatriya.
   II. Gautama Buddha passed away at Kusinara.

A Only I

B Neither I nor II

C Only II

D Both I and II

Answer: D

88. **The core of the Great Himalayas is composed of _____.**

A   Slate

B   Granite

C   Sandstone

D   Limestone

   Answer: B

89. **Which ministry launched the Krishi Udan 2.0 scheme to facilitate the movement of agricultural produce?**

A   Ministry of Civil Aviation

B   Ministry of Rural Development

C   Ministry of Minority Affairs

D   Ministry of Labour and Employment

   Answer: A

90. **Who has been reappointed as the Governor of the Reserve Bank of India (RBI) in October 2021?**

A   T V Somanthan

B   Urjit Patel

C   Shaktikanta Das

D   D Subbarao

   Answer: C

91. **Who among the following won the award for Best Music Direction in Feature Films (Songs) at the 67th National Film Awards?**

A   D Immam

B   Pritam

C   AR Rahman

D   Ilaiyaraaja

   Answer: A

92. **Bhagwati Committee (1973) presented a report on _____.**

A   unemployment

B poverty

C population growth

D commerce

   Answer: A

93. **Richard Wellesley was the Governor - General of India from _____.**

A 1806 - 1810

B 1811 - 1816

C 1817 - 1822

D 1798 - 1805

   Answer: D

94. **The feature of Directive Principles of State Policy in the Indian Constitution is borrowed from the Constitution of _____.**

A France

B Canada

C Australia

D Ireland

   Answer: D

95. **Aqua regia is a freshly prepared mixture of concentrated hydrochloric acid and concentrated nitric acid in the ratio of _____ by volume.**

A 3 : 1

B 2 : 1

C 6 : 1

D 4 : 1

   Answer: A

96. **Qutbuddin Aybak ruled over Delhi from _____.**

A 1266 to 1287

B 1236 to 1240

C 1206 to 1210

D 1210 to 1236

   Answer: C

97. **Madan Mohan temple is a centrally protected monument. It is situated in which state of India?**

A   Himachal Pradesh

B   Uttarakhand

C   Uttar Pradesh

D   Karnataka

   Answer: C

98. **Typhoid fever is caused by _____.**

A   viruses

B   protozoa

C   bacteria

D   fungi

   Answer: C

99. **Tooth decay starts when the pH of the mouth is lower than _____.**

A   5.5

B   7.5

C   9.5

D   10.5

   Answer: A

100. **'Maru Mahotsav' also known as desert festival is celebrated in _____.**

A   Jaipur

B   Leh

C   Jaisalmer

D   Srinagar

   Answer: C