SSC MTS 22nd July 2022 Shift-1

English Language

1. **Select the most appropriate option to fill in the blank.**
   Every time he tried to eat with a chopstick he failed to do _____.

A   so

B   it

C   that

D   this

   Answer: A

2. **Select the most appropriate synonym of the given word.**
   Eternity

A   Moment

B   Flash

C   Purity

D   Forever

   Answer: D

3. **Select the most appropriate option to fill in the blank.**
   The _____ for this distance will be ninety cents.
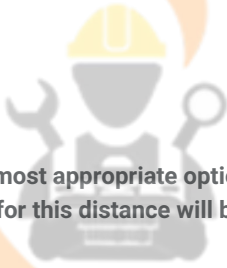
A   flair

B   flower

C   fair

D   fare

   Answer: D

4. **Select the option which has no spelling error.**
   The roll of the Union goverment is technical.

A   The role of the Union goverment is tecnical.

B   The rolle of the Union government is technnical.

C   The role of the Unioun goverment is technical.

D   The role of the Union government is technical.

   Answer: D

5. **Select the most appropriate ANTONYM of the given word.**
   Rational

A Illogical

B Polite

C Conscious

D Impatient

   Answer: A

6. **Select the option that can be used as a one-word substitute for the given group of words.**
   The life history of a person written by himself

A Fable

B Autobiography

C Manuscript

D Anecdote

   Answer: B

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

   The books has become enormously popular with students who do not like to read.

A have become enormous

B No improvement required

C have became enormously

D have become enormously

   Answer: D

8. **Select the most appropriate ANTONYM of the given word.**
   Relentless

A Tenacious

B Determined

C Yielding

D Swarming

   Answer: C

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

   Desert flowers bloom whenever it raining, and the sight can be rewarding.

A whenever it rains

B No improvement required

C when it rained

D when its raining

Answer: A

10. **Parts of the following sentence have been given as options. 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.**

The global pandemic remind us that even local censorship can have global consequences.

A can have global consequences

B The global pandemic remind us

C that even local censorship

D No error

Answer: B

11. **Select the most appropriate option to fill in the blank.**
_____ you don't want to sleep, then leave this room.

A As

B If

C So

D Whether

Answer: B

12. **Select the most appropriate meaning of the given idiom.**
Leave no stone unturned

A To act in a strange manner

B Make all possible efforts

C To get fired from the job

D Not willing to accept the ideas of others

Answer: B

13. **Select the most appropriate option to fill in the blank.**
It was raining heavily, that's why your father _____ at my place last night.

A delayed

B peddled

C stayed

D berated

  Answer: C

14. **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.

    There is no denying / that our country is in / an major economic slump.

A that our country is in

B There is no denying

C an major economic slump

D No error

  Answer: C

15. **Select the most appropriate synonym of the underlined word in the given sentence.**
    They are perceptive observers of social groups.

A Conflicted

B Astute

C Imbecile

D Witless

  Answer: B

16. **Select the option that can be used as a one-word substitute for the given group of words.**
    An unconventional style of living

A Martyr

B Bohemian

C Stoic

D Cynic

  Answer: B

17. **Select the INCORRECTLY spelt word.**

A Crater

B Mantle

C Volkano

D Earthquake

Answer: C

18. **Select the most appropriate meaning of the given idiom.**
    A pipe dream

A An illusory plan

B A secret

C A realistic dream

D A clever strategy

Answer: A

19. **Parts of the following sentence have been given as options. 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.**

   Telecom is one of Indias globally recognised success stories.

A recognised success stories

B Telecom is one of

C No error

D Indias globally

Answer: D

20. **Select the option that can be used as a one-word substitute for the given group of words.**
    One who dislikes art and culture

A Expert

B Philistine

C Mercenary

D Professional

Answer: B

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.

Heat exhaustion can be a recreational hazard, (1) _____ for athletes playing sports outdoors (2) _____ wearing heat-trapping clothing and gear when temperatures are high, (3) _____ as the case in American football. Small studies (4) _____ aimed to design more (5) _____ football uniforms.

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

A casually

B individually

C especially

D radically

   Answer: C

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

A Since

B While

C Instead

D otherwise

   Answer: B

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

A Rather

B So

C Such

D That

   Answer: C

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

A Have

B Will

C Has

D Did

   Answer: A

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

A wretched

B sheltered

C miserable

D breathable

   Answer: D
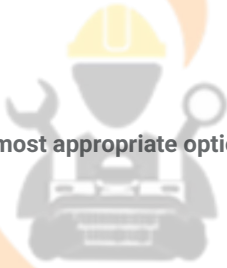
General Intelligence and Reasoning

26. **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: No electron is a proton.
    No proton is a neutron.

    Conclusions:
    I) It is possible for some electrons to be neutrons.
    II) All neutrons are electrons.

A   Neither conclusion I nor II follows

B   Only conclusion II follows

C   Only conclusion I follows

D   Both conclusions I and II follow

   Answer: C

27. **Select the option in which the numbers are related in the same way as are the numbers of the following sets.**

    (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

    (1056, 11, 16)
    (480, 10, 8)

A   (88, 2, 7)

B   (110, 3, 6)

C   (384, 8, 4)

D   (90, 3, 5)

   Answer: D

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

    1, 3, 17, 55, ?, 179, 265, 375

A   169

B   157

C   91

D   105

   Answer: D

29. **Five people, L, M, N, R and S are sitting in a straight row, facing north, but not necessarily in the same order. Only M sits between L and S. N sits to the immediate right of S. R sits to the immediate left of L. Who sits at the second position from the left end?**

A   L

B S

C M

D R

Answer: A

30. **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.**
OMP : QPT :: FOR : ?

A HSV

B HRU
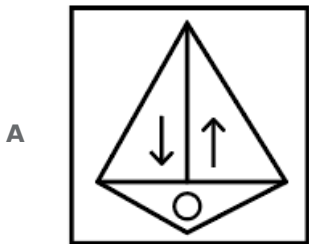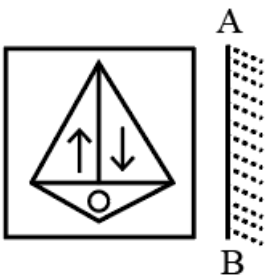
C HRV

D HSU

Answer: C

31. **Select the option that is related to the third number in the same way as the second number is related to the first number and sixth number is related to the fifth number.**
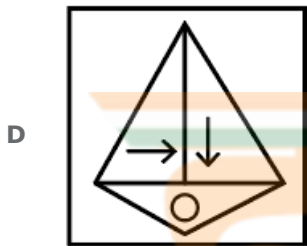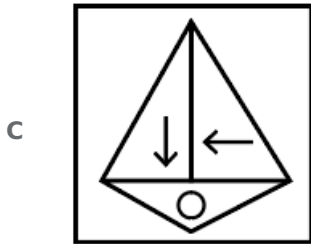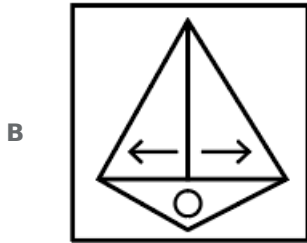33 : 101 :: 39 : ? :: 35 : 107

A 117

B 119

C 113

D 115

Answer: B

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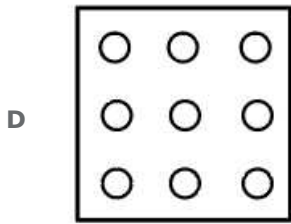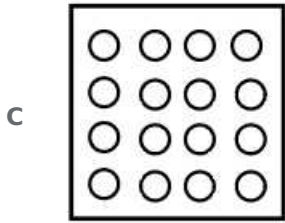

A

B

C

D

Answer: A

33. **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
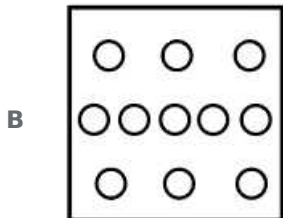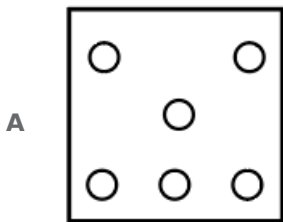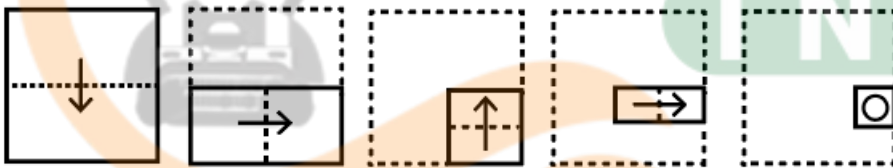
Answer: C

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

    Doctor : Diagnosis :: Painter : Painting :: Judge : ?

A Judgement

B Lawyer

C Court

D Punishment

Answer: A

35. **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.**

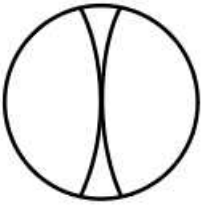   **Statements:**
    I. All P's are M.
    II. Some Q's are P.

    Conclusions:
    I. Some M's are Q.
    II. Some P's are Q.
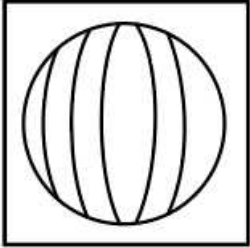   **III. Some M's are P.**

A Both conclusions I and III follow.

B Only conclusion III follows.

C Conclusions I, II and III follow.

D Only conclusion II follows.

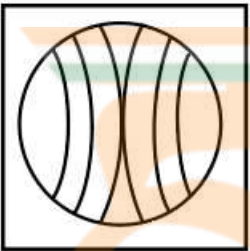**Answer:** C

36. **Select the option figure in which the given figure is embedded (rotation is NOT allowed).**
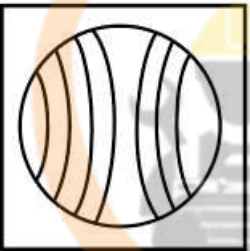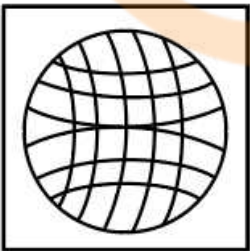

A

B

C

D

Answer: C

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

   MN, NM, OL, PK, ?

A   LQ

B   QJ

C   KJ

D   JK

Answer: B

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

    6, 11, 21, 41, 81, ?

A   241

B   151

C   161

D   240

   Answer: C

39. **Which two numbers (NOT digits) should be interchanged to make the following equation mathematically correct?**
    $8 \div 2 \times 6 - 11 + 5 = 15$

A   2 and 8

B   5 and 6

C   2 and 6

D   6 and 11

   Answer: B

40. **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.**

    WOR : WSZ :: CLW : ?

A   BPF

B   BOF

C   BOE

D   BPG

   Answer: A

41. **In a certain code language, 'PINK' is coded as '25', and 'HEAR' is coded as '16'. How will 'FAIL' be coded in that language?**

A   28

B   14

C   24

D   12

   Answer: B

42. What will be the value of the following expression, if '+' and ' ×' are interchanged and '−' and ' ÷' are interchanged?

$9 + 2 \div 5 \times 4 - 2 = ?$

A 4

B 12

C 3

D 15

Answer: D

43. The ages of seven colleagues are compared. Pawan is older than only Lalit and Kunal. Jatin is the oldest. Manish is younger than only Jatin. Nilesh and Ojha are older than Pawan.

Who is the third youngest colleague?

A Pawan

B Nilesh

C Ojha

D Kunal

Answer: A

44. Five friends are sitting on a bench in a playground and facing north (but not necessarily in the same order) . Swati is to the immediate left of Rakhi and to the immediate right of Bindia. Meenal is to the right of Rakhi. Tina is exactly between Rakhi and Meenal.Who is sitting at the rightmost end?
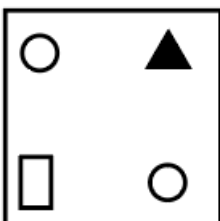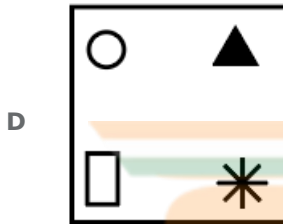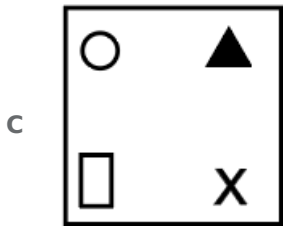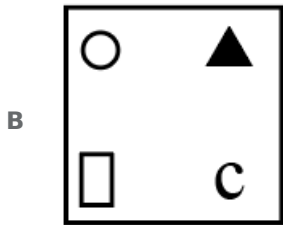
A Tina

B Meenal

C Swati

D Rakhi

Answer: B

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

A

B

C

D
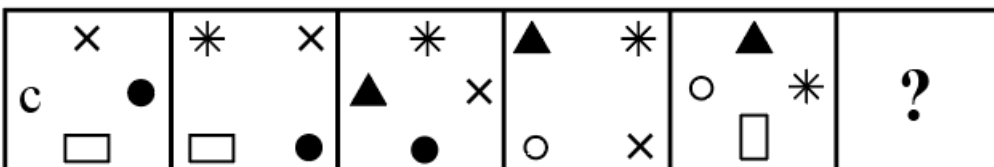
Answer: C

46. In a certain code language, 'GREAT' is coded as '96321', and 'TALMN' is coded as '12457'. How will 'REALM' be coded in that language?

A   63249

B   63247

C   63245

D   62349

Answer: C

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

A

B

C

D
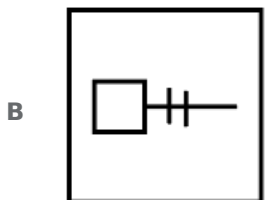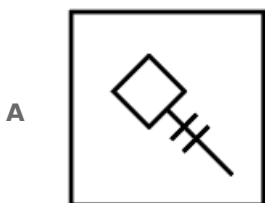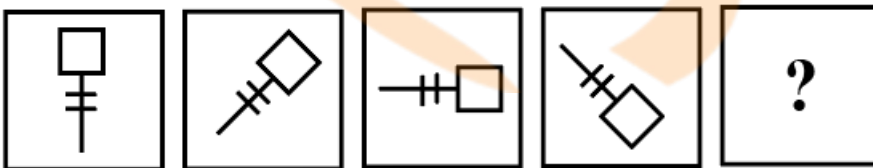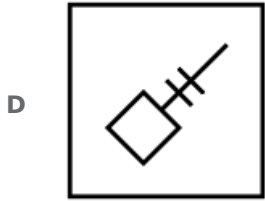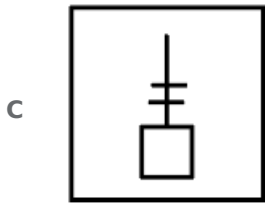
Answer: C

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

A

B

C

D
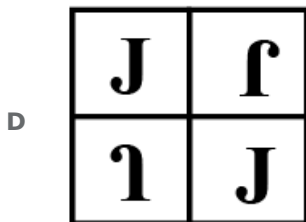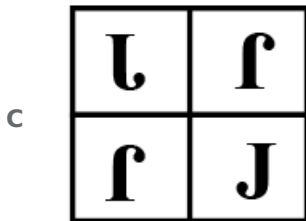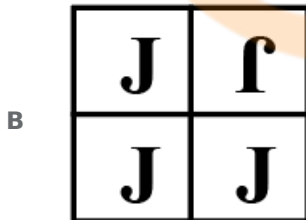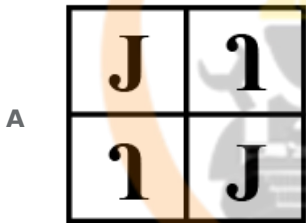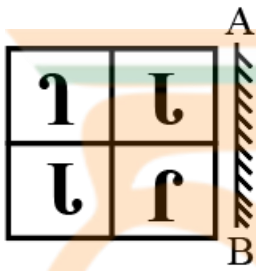
Answer: D

49. In a certain code language, '95784' is written as 'EGYPT', and '23614' is written as 'LIKRT'. How will '462893' be written in that language?

A ELIYPG

B TILGPY

C EKLYPT

D TKLPEI

Answer: D

50. In a certain code language, 'TYRE' is written as 'UZQD' and 'SALE' is written as 'TBKD'.How will 'DISH' be written in that language?

A EJRG

B EIIH

C EJIG

D CIRI

Answer: A

Numerical Aptitude

51. The total salary of two employees, A and B, in an organisation was ₹40,000. After increasing the salary of A by 9% and of B by 11%, the total salary of A and B becomes ₹44,100. What was the initial salary of A?

A ₹15,000

B ₹22,500

C ₹25,000

D ₹18,000

Answer: A

52. **The following bar graph shows the number of students in five different sections of Class 10.**
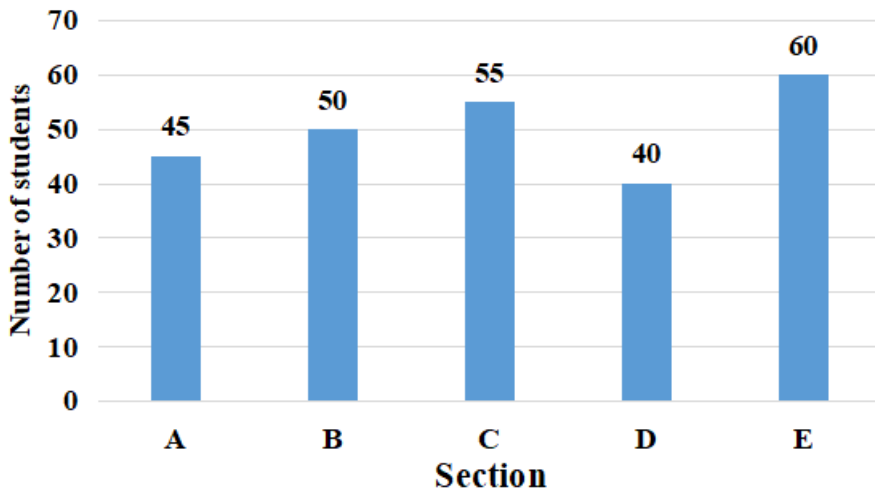
What is the positive difference between the numbers of students in Section C and in Section D?

A   16

B   15

C   14

D   17

Answer: B

53. **What should come in place of the question mark(?) in the following question?**

$2 \times 324 \times ? = 9^2 \times 22^2 \times 6$

A   659

B   364

C   363

D   366

Answer: C

54. **Find the volume of a sphere having a diameter of 6 mm, in terms of π.**

A $12\pi\ mm^3$

B $24\pi\ mm^3$

C $64\pi\ mm^3$

D $36\pi\ mm^3$

Answer: D

55. **5 men can complete a work in 12 days, and 6 women can complete the same work in 20 days. In how many days can 1 man and 1 woman together complete this work?**

A   120 days

B   32 days

C   40 days

D   60 days

    Answer: C

56. The ratio of the length to the width of a rectangle is 3 : 2. If the length of this rectangle is increased by 25% and its width is kept constant, then the area of the rectangle increases by 24 m^2. What is the width of this rectangle?

A   12 m

B   10 m

C   8 m

D   15 m

    Answer: C

57. Simplify the following expression.
    12 + 11 - 13 +(4 +3)

A   17

B   16

C   18

D   15

    Answer: A

58. If $\triangle$ ABC is similar $\triangle$ DEF such that BC= 3 cm, EF = 4 cm and the area of $\triangle ABC = 54cm^2$, then the area of $\triangle$ DEF is:

A   78 cm^2

B   96 cm^2

C   66 cm^2

D   44 cm^2

    Answer: B

59. At a certain rate of interest per annum, compounded annually, a certain sum of money amounts to two times of itself in 11 years. In how many years will the sum of money amount to four times of itself at the previous rate of interest per annum, also compounded annually?

A   20 years

B   5.5 years

C   22 years

D   33 years

60. The table below shows the number of toys of 6 different colours sold from a shop during a given period. The table also shows the percentage of toys of each colour which are cars.

Colour	Total toys	Percentage of cars
C1	500	12
C2	600	15
C3	400	12.5
C4	550	10
C5	650	20
C6	450	10

What is the total number of car toys of C2 and C3 taken together?

A   150

B   160

C   140

D   130

Answer: C

61. The speed of a superfast train, T_1 is 20% more than the speed of another superfast train T_2. Both the trains start from point N at the same time and reach point M at the same time. N and M are 500 km apart. T_1 stops for 10 minutes on the way to M, but T_2 covers the distance without any stops en route. What is the speed of T_1?

A   600 km/h

B   500 km/h

C   650 km/h

D   550 km/h

Answer: A

62. A and B together can finish a work in 20 days. If they worked together for 8 days, then what was the share of work that was yet to be completed?

A $\frac{3}{5}$

B $\frac{4}{5}$

C $\frac{2}{5}$

D $\frac{1}{5}$

Answer: A

63. The difference between 73% of a number and 45% of the same number is 112. Find the number.

A 450

B 400

C 500

D 550

Answer: B

---

64. **By selling an article for ₹600, a person made a profit of 50%. What was the cost price of this article?**

A ₹300

B ₹450

C ₹400

D ₹350

Answer: C

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65. **A certain sum of money amounts to $\frac{3}{2}$ of itself in 2 years applying simple interest. Find the rate of simple interest per annum .**

A 25%

B 15%

C 16%

D 26%

Answer: A

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66. **The marked price of a cap is ₹2,000. Two successive discounts of 15% and x% are given. If the selling price is ₹1.275, then what is the value of x?**

A 20%

B 22.5%

C 27.5%

D 25%

Answer: D

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67. **The average age of 9 girls is 16 years. The average age of 11 boys is 26 years. What is the average age of all these boys and girls taken together?**

A 22 years

B 23 years

C 22.5 years

D 21.5 years

   Answer: D

68. The ratio of the number of boys to the number of girls in a class is 2 : 5. If 10 boys leave the class and 20 new girls join the class, then the new ratio of boys and girls in the class becomes 4 : 25. What is the number of boys in the class now?

A 12

B 8

C 9

D 22

   Answer: A

69. The given pie chart represents the distribution of the percentage of sales of a particular brand of a bike from five showrooms. A, B, C, D and E during 2021.
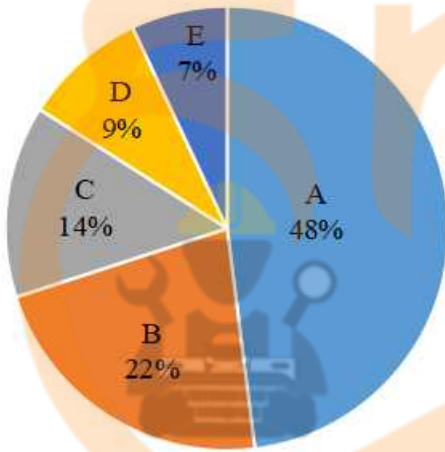
   What is the central angle of the sector corresponding to the sales from showroom B?

A 56.7°

B 52.8°

C 79.2°

D 72.6°

   Answer: C

70. The difference between the compound interest and the simple interest on an amount of ₹1,500 for 2 years, at a given rate of interest per annum, is ₹60. What is the rate of interest per annum, if in the case of compound interest, the interest is compounded annually?

A 20%

B 15%

C 25%

D 12.5%

Answer: A

71. Anand wanted to sell a watch at a 10% profit, but be actually sold at a 10% loss for ₹360. At what price did be want to sell it to earn the profit?

A ₹360

B ₹400

C ₹340

D ₹440

Answer: D

72. Shreya hikes up a hill at 5 mph and comes down at 7 mph. If the total time taken for the two-way journey is 3 hours, what is the distance between the hilltop and the foothill?

A 8.75 miles

B 8 miles

C 9 miles

D 6.75 miles

Answer: A

73. In what ratio must a supplier mix two varieties of pulses costing ₹10 per kg and ₹30 per kg, respectively, so as to get a mixture worth ₹15 per kg?

A 3 : 1

B 4 : 5

C 2 : 3

D 1 : 2

Answer: A

74. The average age of 30 employees in an organisation is 25 years. If 2 new employees with an average age of 41 years join the organisation, then find the new average age of all the employees in the organisation.

A 26 years

B 25 years

C 23 years

D 24 years

Answer: A

75. The highest common factor and the least common multiple of two numbers are 12 and 120, respectively. If one of the numbers is 60, then what will be the other number?

A 12

B 18

C 20

D 24

   Answer: D

General Awareness

76. **What was the capital of the Satavahana Dynasty (60 BC - 225 AD)?**

A Pratishthana

B Vidisha

C Patliputra

D Vanji

   Answer: A

77. **Which fundamental right provided in Indian Constitution prohibits traffic in human beings and forced labour?**

A Right to freedom

B Right to constitutional remedies

C Right to equality

D Right against exploitation

   Answer: D

78. **Which of the following is an example of sedimentary rocks?**

A Granite

B Sandstone

C Marble

D Basalt

   Answer: B

79. **Through the 42nd Amendment, which of the following was inserted in the Indian Constitution?**

A Fundamental Rights

B Appointment of Supreme court judges
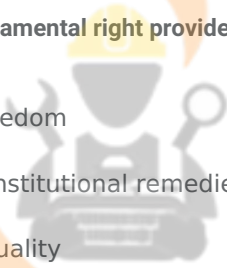
C   Directive Principles

D   Fundamental Duties

Answer: C

80. **Who used the ancient texts to suggest that widows could remarry?**

A   Narayan Guru

B   Pandita Ramabai

C   Ishwar Chandra Vidyasagar

D   Raja Ram Mohan Roy

Answer: C

81. **In India, social groups which are most vulnerable to poverty are _____.**
   I. Scheduled Caste households
   II. Scheduled Tribe households

A   Neither I nor II

B   Both I and II

C   Only II

D   Only I

Answer: B

82. **Which of the following determines the colour, texture, chemical properties, mineral, content, and permeability of the soil?**

A   Parent rock

B   Time

C   Relief

D   Climate

Answer: A

83. **Name the ICC Women Cricketer of the year in 2021.**

A   Harmanpreet Kaur

B   Mithali Raj

C   Smriti Mandhana

D   Jhulan Goswami

Answer: C

84. **Which of the following are situated in the nucleus of a cell?**

A Chromosome and genes

B Cytoplasm and chromosome

C Nucleolus and cytoplasm

D Protoplasm and chromosome

   Answer: A

85. **Which of the following is the state of origin of the Sattriya dance form?**

A Uttar Pradesh

B Tamil Nadu

C Assam

D Manipur

   Answer: C

86. **In which state of India are Buddhist cave temples, Barabar Caves, located?**

A West Bengal

B Sikkim

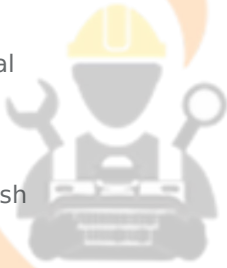C Uttar Pradesh

D Bihar

   Answer: D

87. **Mando festival is related to which state of India?**

A Jharkhand

B Karnataka

C Bihar

D Goa

   Answer: D

88. **As per Census 2011, which of the following is the correct range of population of India?**

A 1.2-1.3 billion

B 0.5-0.6 billion

C 3.0-3.1 billion

D 2.0-2.1 billion

Answer: A

89. **Bessie Award is a dance award given in which country?**

A Germany

B Norway

C Australia

D USA

  Answer: D

90. **Indian Railways ferries which of the following commodities the most as per tonnage, as of April 2022?**

A Cement

B Food grains

C Coal

D Steel

  Answer: C

91. **S Balachander is famous for playing the _____.**

A sitar

B veena

C violin

D flute

  Answer: B

92. **Who is the author of the novel, God of Small Things?**

A Vikram Seth

B Pankaj Mishra

C Kiran Desai

D Arundhati Roy

  Answer: D

93. **Which of the following statements is correct?**
    I. Rolling friction is greater than the sliding friction.
    II. The frictional force exerted by fluids is called drag.

A   Only I is correct

B   Neither I nor II is correct

C   Both I and II are correct

D   Only II is correct

   Answer: D

94. **The tertiary sector of Indian Economy is related to _____.**

A   manufacturing sector

B   agriculture and related sectors

C   electricity and coal

D   transport, communication and business/services

   Answer: D

95. **Rama is suffering from chickenpox. What type of disease is it?**

A   Fungal disease

B   Hereditary disease

C   Viral disease

D   Bacterial disease

   Answer: C

96. **Which Indian movement was started to look into the problems of indigo planters in the year 1917?**

A   Champaran Satyagraha

B   Non-Cooperation Movement

C   Kheda Satyagraha

D   Ahmedabad Mill Strike

   Answer: A

97. **Which of the following persons was a slave-generals of Alauddin Khalji (1296-1316 AD)?**

A   Malik Kafur

B   Ulugh Khan

C   Jauna Khan

D   Nasiruddin Shah

   Answer: A

98. **Which country will host the 2022 Commonwealth Games?**

A Australia

B Scotland

C Canada

D England

Answer: D

99. **Which Ministry of the Government of India organised 'Gender Samwaad' in March 2022?**

A Ministry of Panchayati Raj

B Ministry of Labour & Employment

C Ministry of Culture

D Ministry of Rural Development

Answer: D

100. **Who was the first Indian captain to lift the International Cricket Council (ICC) Cricket World Cup?**

A Virat Kohli

B MS Dhoni

C Mohinder Amarnath

D Kapil Dev

Answer: D