

Maximum marks – 300

Time – 2:30 Hours

Note – Question paper contains three parts –

Part – A Mathematics	50 Questions	100 Marks
Part – B English	50 Questions	100 Marks
Part – C Science and Social Science	50 Questions	100 Marks

- All Questions are compulsory .
- There is No Negative Marking .
- Read the question paper carefully .

### MATHEMATICS

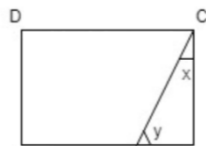
- The edges of three solid cubes are 2 cm, 12 cm and 15 cm. These cubes are melted and recast into a single cube. Find the edge of the resulting cube.
  - 7.20 cm
  - 17.23 cm
  - 71.49 cm
  - 29.00 cm
- The cost of papering the four walls of a room at 75 paise per square metre is Rs 2016. The height of the room is 6 metres. Find the length and the breadth of the room, if they are in the ratio 31 : 25.
  - Length = 124 cm, breadth = 100 cm
  - Length = 25 cm, breadth = 31 cm
  - Length = 100 cm, breadth = 124 cm
  - Length = 31 cm, breadth = 25 cm
- The total surface area of a cube is  $2166 \text{ cm}^2$ . Find its volume.
  - Volume =  $19 \text{ cm}^3$
  - Volume =  $114 \text{ cm}^3$
  - Volume =  $6859 \text{ cm}^3$
  - Volume =  $361 \text{ cm}^3$
- The sum of the radius and the height of a cylinder is 45 cm and the total surface area of the cylinder is  $9900 \text{ cm}^2$ . Find the height and the volume of the cylinder.
  - (i) height = 11 cm (ii) volume =  $2200 \text{ cm}^3$
  - (i) height = 11 cm (ii) volume =  $1100 \text{ cm}^3$
  - (i) height = 10 cm (ii) volume =  $38500 \text{ cm}^3$
  - (i) height = 10 cm (ii) volume =  $1100 \text{ cm}^3$
- The diameters of two circles are 12 cm and 16 cm. Find the radius of the circle having its area equal to the sum of the areas of the two given circles.
  - 20 cm
  - 17 cm
  - 10 cm
  - 9 cm
- A rhombus has side 10 cm and altitude as 3 cm. If one of its diagonals is 10 cm long, find the length of the other diagonal.
  - 6.0 cm
  - 30.0 cm
  - 3.0 cm
  - 1.5 cm
- The sides of the triangle ABC are AB = 12 cm, BC = 4 cm and AC = 14 cm. The height corresponding to the base AB is 3 cm. Find the area of the triangle.
  - $336 \text{ cm}^2$
  - $18 \text{ cm}^2$
  - $6 \text{ cm}^2$
  - $21 \text{ cm}^2$

8. Solve  $8(x - 2) = 9x + 9(3x + 3)$

- (a)  $\frac{43}{-28}$   
 (b)  $\frac{43}{26}$   
 (c)  $\frac{-11}{-10}$   
 (d)  $\frac{-11}{26}$

9. Two consecutive odd numbers are such that 4 times the first is 49 less than 5 times the second. Find the odd number pair

- (a) 37, 39  
 (b) 39, 41  
 (c) 41, 43  
 (d) 35, 37



10. If  $a + b + c = 21$  and  $a^2 + b^2 + c^2 = 165$  then find  $ab + bc + ca$ .

- (a)  $ab + bc + ca = 166$   
 (b)  $ab + bc + ca = 148$   
 (c)  $ab + bc + ca = 124$   
 (d)  $ab + bc + ca = 138$

11. If  $ab = 24$  and  $a + b = 10$ , then find  $a^3 + b^3$

- (a)  $a^3 + b^3 = 280$   
 (b)  $a^3 + b^3 = 30$   
 (c)  $a^3 + b^3 = 240$   
 (d)  $a^3 + b^3 = 72$

12. The cost price of an article is  $\frac{5}{6}$  times of its selling price. Find the loss or gain as percent.

- (a) Profit = 16.7%  
 (b) Profit = 20.0%  
 (c) Loss = 16.7%  
 (d) Loss = 20.0%

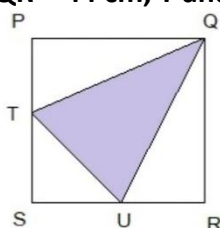
13. Present ages of Supriya and Rahul are in the ratio 3:7. Twelve years later their ages will be in the ratio 1:2. Rahul's age is?

- (a) 84  
 (b) 94  
 (c) 31  
 (d) 36

14. Find the area of the shaded portion.

Given: A square with  $QR = 44$  cm, T and U are the mid-points.

- (a)  $726 \text{ cm}^2$   
 (b)  $1210 \text{ cm}^2$   
 (c)  $968 \text{ cm}^2$   
 (d)  $484 \text{ cm}^2$



15. Rs. 1500 is lent at 9% per annum compounded semi-annually for a time period of 1 year. Find the amount and interest after 1 year.

- (a) Amount = 1782, Interest = 147  
 (b) Amount = 1638, Interest = 138  
 (c) Amount = 1635, Interest = 135  
 (d) Amount = 1635, Interest = 270

16. The following figure is a rectangle in which  $x : y = 11 : 4$ , find the value of  $x$ .

- (a)  $66^\circ$   
 (b)  $132^\circ$   
 (c)  $24^\circ$   
 (d)  $48^\circ$

17. Find the sum of  $1 + 3 + 5 + 7 + \dots + 51 + 53$ ?

- (a) 841  
 (b) 729  
 (c) 676  
 (d) 784

18. In an exam, the pass mark is 40%. If a candidate gets 65 marks and fails by 5 marks. Find the maximum mark.

- (a) 162  
 (b) 12  
 (c) 150  
 (d) 175

19. Factorise:  $16 - x^4$

- (a)  $(4 + x^2)(2 + x)(2 - x)$   
 (b)  $(2 + x^2)(2 + x)(2 - x)$   
 (c)  $(4 + x)(2 + x)(2 - x)$   
 (d)  $(4 - x^2)(2 + x)(2 - x)$

20. Factorise:  $x^2 - 16y^2 - 2x - 8y$

- (a)  $(x - 4y)(x - 4y - 2)$   
 (b)  $(x + 4y)(x - 4y - 2)$   
 (c)  $(x + 4y)(x + 4y + 2)$   
 (d)  $(x - 4y)(x + 4y - 2)$

21. The square root of 13924 will have \_\_\_\_\_ digits.

- (a) 4  
 (b) 3  
 (c) 2  
 (d) 5

22. How many natural numbers lie between  $17^2$  and  $18^2$ ?

- (a) 34  
 (b) 35  
 (c) 17  
 (d) 18

23.  $a : b = 3 : 7$  and  $b : c = 9 : 5$ . What is  $a : b : c$ ?

- (a) 3: 15: 5
- (b) 21: 16: 45
- (c) 3: 7: 5
- (d) 27: 63: 35

24. What least number should be multiplied with 384 to make it a perfect square?

- (a) 3
- (b) 6
- (c) 2
- (d) 8

25. In 4 years, the simple interest on certain sum of money is  $\frac{9}{25}$  of the principal. The annual rate of interest is-

- (a) 4%
- (b) 4.5%
- (c) 9%
- (d) 10%

26. A fruit seller buys lemons at 2 for a rupee and sells them at 5 for three rupees. His gain percent is

- (a) 10%
- (b) 15%
- (c) 20%
- (d) 25%

27. 40 boys working 9 hours per day paint a house in 96 days. How many hours per day 48 boys need to work so they can paint the house in 45 days?

- (a) 24
- (b) 16
- (c) 18
- (d) 27

28. Amit covers a distance at a speed of 24 Km/hr in 6 min. If he wants to cover the same distance in 8 min, what should be his speed?

- (a) 18 km/hr
- (b) 21 km/hr
- (c) 30 km/hr
- (d) 15 km/hr

29. The value of  $\frac{\frac{1}{2} \div \frac{1}{2} \text{ of } \frac{1}{2}}{\frac{1}{2} + \frac{1}{2} \text{ of } \frac{1}{2}}$  is

- (a) 1
- (b)  $1\frac{1}{3}$
- (c)  $2\frac{2}{3}$

(d) 3

30. The value of  $\left(\frac{0.125+0.027}{0.5 \times 0.5 + 0.09 - 0.15}\right)$  is

- (a) 0.08
- (b) 0.2
- (c) 0.8
- (d) 1

31. If the LCM of three numbers is 9570, then their HCF can be

- (a) 11
- (b) 12
- (c) 19
- (d) 21

32. If  $x$  and  $y$  are negative, then which of the following statements is/are always true?

- (i)  $x + y$  is positive.
- (ii)  $xy$  is positive.
- (iii)  $x - y$  is positive

- (a) (i) only
- (b) (ii) only
- (c) (iii) only
- (d) (i) and (iii) only

33. The digit in the unit's place in the square root of 15876 is

- (a) 2
- (b) 4
- (c) 6
- (d) 8

34. The average of ten numbers is 7. If each number is multiplied by 12, then the average of the new set of numbers is:

- (a) 7
- (b) 19
- (c) 82
- (d) 84

35. If  $a : b : c = 2 : 3 : 4$ , then  $\frac{1}{a} : \frac{1}{b} : \frac{1}{c}$  is equal to

- (a)  $\frac{1}{4} : \frac{1}{3} : \frac{1}{2}$
- (b) 4: 3: 2
- (c) 6: 4: 3
- (d) None

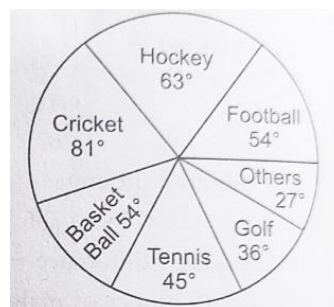
36. A man riding his bicycle covers 150 meters in 25 seconds. What is his speed in km per hour?

- (a) 20
- (b) 21.6
- (c) 23
- (d) 25

37. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?
- (a) 3.5 years  
(b) 4 years  
(c) 4.5 years  
(d) 5 years
38. A sum of money at compound interest doubles itself in 15 years. It will become eight times of itself in
- (a) 45 years  
(b) 48 years  
(c) 54 years  
(d) 60 years
39. The perimeter of a rectangle is 60 metres. If its length is twice its breadth, then its area is:
- (a)  $160 m^2$   
(b)  $180 m^2$   
(c)  $200 m^2$   
(d)  $220 m^2$
40. The area of a rhombus with side 13 cm and one diagonal 10 cm will be
- (a)  $140 cm^2$   
(b)  $130 cm^2$   
(c)  $120 cm^2$   
(d)  $110 cm^2$
41. The surface area of a cube is  $150 cm^2$ . Its volume is
- (a)  $64 cm^3$   
(b)  $125 cm^3$   
(c)  $150 cm^3$   
(d)  $216 cm^3$
42. The curved surface area of a sphere is 5544 sq. cm. Its volume is
- (a)  $22176 cm^3$   
(b)  $33951 cm^3$   
(c)  $38808 cm^3$   
(d)  $42304 cm^3$
43. A metallic sphere of radius 5 cm is melted to make a cone with base of the same radius. What is the height of the cone?
- (a) 5 cm  
(b) 10 cm  
(c) 15 cm  
(d) 20 cm

44. Three unbiased coins are tossed. What is the probability of getting at most two heads?
- (a)  $\frac{3}{4}$   
(b)  $\frac{1}{4}$   
(c)  $\frac{3}{8}$   
(d)  $\frac{7}{8}$
45. From a pack of 52 cards, one card is drawn at random. What is the probability that the card drawn is a ten or a spade?
- (a)  $\frac{4}{13}$   
(b)  $\frac{1}{4}$   
(c)  $\frac{1}{13}$   
(d)  $\frac{1}{26}$
46. Two dice are tossed. The probability that the total score is a prime number is:
- (a)  $\frac{1}{6}$   
(b)  $\frac{1}{2}$   
(c)  $\frac{5}{12}$   
(d)  $\frac{7}{9}$

**Directions (Questions 47-50):** The circle-graph given below shows the spending of a state on various sports during a particular year. Study the graph carefully and answer the given questions.



47. What percent of the total spendings is spent on Tennis?
- (a)  $12\frac{1}{2}\%$   
(b)  $22\frac{1}{2}\%$   
(c) 25%  
(d) 45%
48. How much percent more is spent on Hockey than that on Golf?
- (a) 27%  
(b) 35%

(c) 37.5%

(d) 75%

**49. How much percent less is spent on football than that on Cricket?**

(a)  $22\frac{2}{9}\%$

(b) 27%

(c)  $33\frac{1}{3}\%$

(d)  $37\frac{1}{2}\%$

**50. If the total amount spent on sports during the year was Rs. 2 crores, the amount spent on cricket and hockey together was**

(a) Rs. 8,00,000

(b) Rs. 80,00,000

(c) Rs. 1,20,00,000

(d) Rs. 1,60,00,000

## **ENGLISH**

**Spotting the error of the following sentences.**

51. (a) Unless two or more members object/ (b) to him joining the club, we shall have to / (c) accept his application for membership/ (d) No error.
52. (a) I shall avail of/ (b) this opportunity/ (c) to meet you there/ (d) no error.
53. (a) Each of them/ (b) has to understand/ (c) their responsibility/ (d) no error.
54. (a) The poor man/ (b) poisoned him/ (b) and his own children/ (d) no error.
55. (a) I and Raju/ (b) played for Delhi/ (c) and won the match/ (d) no error.
56. (a) A soldier is/ (b) taught never to/ (c) fight cowardly/ (d) no error.
57. (a) He is being/ (b) very politely/ (c) for the reason best known to him/ (d) no error.
58. (a) She had barely/ (b) nothing to wear/ (c) when she came to me for help/ (d) no error.
59. (a) She knows/ (b) to ride/ (c) a horse/ (d) no error.
60. (a) The state government/ (b) appointed him as/ (c) officer-in-charge/ (d) no error.
61. (a) All the pupils/ (b) stood up respectively/ (c) as the teacher entered the room/ (d) no error.
62. (a) My all/ (b) friends will come/ (c) tomorrow to meet me/ (d) no error.
63. (a) While giving a loan/ (b) you must check/ (c) if the borrower has sufficiently collateral to repay it/ (d) No error.
64. (a) He is comparatively/ (b) weaker/ (c) in maths/ (d) no error.
65. (a) Can you tell me how/ (b) many eggs and/ (c) milk he brought/ (d) no error.
66. (a) The summons have been issued by the court/ (b) but he has not/ (c) yet appeared before the court/ (d) no error.
67. (a) Satyajit Ray, who conceived, co-authored/ (b) and directed a number of good films, was/ (c) one of India's most talented film maker/ (d) no error.
68. (a) The Astronomer/ (b) Who predicts the future/ (c) has arrived/ (d) no error.
69. (a) When we reached the fair/ (b) we found that there/ (c) was not place to stand/ (d) no error.
70. (a) He/ (b) takes pain/ (c) over his work/ (d) no error.
71. (a) Without healthiness/ (b) there is/ (c) no happiness/ (d) no error.
72. (a) Shila advised to/ (b) her child no to/ (c) play with the ball/ (d) on the road/ (e) no error.
73. (a) The aircraft was over-loaded/ (b) there was something wrong of the battery/ (c) and the engine was making a queer noise/ (d) No error.
74. (a) The criminal had/ (b) hardly put the precious thing in his bag/ (c) than the landlord got up/ (d) no error.
- (a) His book has been/ (b) missing from/ (c) his room since yesterday/ (d) no error.

**Write Synonyms of the following words.**

**75. Meticulous**

(a) Perfectionist

(c) sloppy

(b) inaccurate

(d) Faulty

**76. Importune**

(a) appeal

(c) Important

(b) Imply

(d) Purchase

**77. Terse**

(a) Lengthy

(c) Prolix

(b) brief

(d) Wordy

**Write Anonyms of the following words.**

**78. Myopic**

- (a) Farsighted (b) Biased
- (c) careless (d) Blind

**79. Usurp**

- (a) Annex (b) Surrender
- (c) Grab (d) Displace

**80. Incarcerate**

- (a) Release (b) Confine
- (c) Detain (d) Commit

**Write one word which can be substituted for the given sentence.**

**81. A strong and fast-moving stream of water.**

- (a) Rivulet (b) Creek
- (c) Torrent (d) Trickle

**82. Eating mud**

- (a) Equivorous (b) Limivorous
- (c) Calcivorous (d) Fructivorous

**83. A lover of work**

- (a) Oerophile (b) Technophile
- (c) Romanophile (d) Ergophile

**Write the meaning of the following idioms and phrase**

**84. To take the bull by the horn.**

- (a) To handle difficulties
- (b) To make effort
- (c) To consider
- (d) To pass the critical stage

**85. To make amends**

- (a) To become angry
- (b) Becoming less acceptable
- (c) To regard with contempt
- (d) To compensate

**86. He said, "My God! I am ruined." (Change into indirect speech)**

- (a) He exclaimed sadly that he was ruined.
- (b) He exclaimed that he was ruined.
- (c) He exclaimed sadly that he had been ruined.
- (d) He exclaimed sadly that he ruined.

**87. "Ah me!" exclaimed the man, "What a rash and bloody deed you have done!"**

- (a) The man exclaimed that he had done a very rash and bloody deed.
- (b) The man exclaimed sadly that he had done a very rash and bloody deed.
- (c) The man exclaimed with sorry that you had done a very rash and bloody deed.
- (d) The man exclaimed with sorrow that they had done a very rash and bloody deed.

**88. Before they invented printing, people had to write everything by hand. (Change into passive voice)**

- (a) Before printing was invented everything had to be written by hand.
- (b) Before printing was invented by them, everything had to be written.

(c) Before printing was invented people had to be write everything by hand.

(d) Before printing was invented everything was written by hand.

**89. Did anyone ever make it clear how one operates the machine? (Change into passive voice)**

(a) Was it ever made clear how the machine is operated?

(b) Did any one ever make it clear how the machine is operated?

(c) Was ever it made clear how to operate the machine?

(d) Was how to operate the machine ever made clear?

**Fill in the blanks with suitable tense.**

**90. The patient \_\_\_\_\_ before the doctor comes.**

- (a) had died (b) will die
- (c) has died (d) will have died

**91. If I were a nightingale I \_\_\_\_\_ day and night.**

- (a) will sing (b) would sing
- (c) was singing (d) should sing

**Choose suitable question tag.**

**92. He has little money to spend, \_\_\_\_\_?**

- (a) hasn't he (b) has he
- (c) does he (d) doesn't he

**93. Select the correctly spelt word.**

- (a) reverberation (b) riverberation
- (c) Revirbeartion (d) reverberation

**94. Select the wrongly spelt word.**

- (a) Idyllic (b) Idiotic
- (c) Prolific (d) miopic

**Read the given poem and answer the questions that follow by selecting the most appropriate option.**

Sprinkle, squish between my toes  
The smell of ocean to my nose,  
I can feel each grain of sand,  
It falls from air into my hand.  
The shells I find along the shore.  
Picked up by birds that fly and soar.  
They sparkle like the ocean's waves  
And carry and from all the lakes  
I walk  
That's where my feet leave prints me.  
I walk all the way to the end of the land.  
The land that holds this beautiful sand.

**95. The word that can replace 'squish' is-**

- (A) hold (B) trample
- (C) crush (D) beat

**96. The phrase in the poem that conveys the same meaning as "along the tip of the sea" is-**

- (A) "each grain of sand"
- (B) "end of the land"
- (C) "like the oceans waves"

- (D) "air into my hand"
- 97. Here, "That's where my feet leave prints to be", means that the writer-**
- (A) hopes to remember his visit  
(B) relives past visits  
(C) expects to forget experiences  
(D) thinking to come again
- 98. Here, "to the end of the land" refers to the-**

- (A) sky (B) land  
(C) horizon (D) sea line
- 99. The poem's central theme is -**
- (A) a collection of visits  
(B) sharing experiences with nature  
(C) an introspection by the poet  
(D) a factual description of nature

## **SCIENCE**

**101. Newton is equal to:**

- (a)  $10^2$  dyne (b)  $10^3$  dyne (c)  $10^5$  dyne (d)  $10^4$  dyne

**102. Which of the following contents is most harmful to aquatic animals?**

- (a) Heavy metal ions (b) Potassium ions (c) Sodium ions (d) Chloride ions

**103. In which of the following solution conduction of electricity will not take place?**

- (a) Tap water (b) Vegetable oil (c) Vinegar (d) Lemon juice

**104. Deficiency of thyroxin in the body causes**

- (a) salt imbalance (b) diabetes (c) goitre (d) dwarfism

**105. If the angle between incident ray and reflected ray is  $120^\circ$ , what is the angle of incidence?**

- (a)  $60^\circ$  (b)  $90^\circ$  (c)  $30^\circ$  (d)  $45^\circ$

**106. Which one of the following is correctly matched?**

- (a) Adrenaline – Emergency hormone  
(b) Insulin - Female hormone  
(c) Oestrogen - Stress reliever hormone  
(d) Testosterone - Growth hormone

**107. Dolly, the sheep, was born on 5th July, 1996 and was the first mammal to be--**

- (a) produced through in vitro fertilisation  
(b) produced through internal fertilisation  
(c) produced through external fertilisation  
(d) produced through cloning

**108. Food cannot be preserved by -**

- (a) keeping food covered with plate room temperature.  
(b) by boiling and then suddenly cooling to a very low temperature and the sealing the content.  
(c) by storing and packaging in sealed a tight packets.  
(d) by adding common salt, sugar, vinegar or oils and pasteurisation and packaging in air tight packets.

**109. The correct sequence of agricultural practice for growing crops is**

- (a) Ploughing - Manuring - Irrigating – Sowing-Weeding - Harvesting  
(b) Ploughing - Sowing - Manuring – Irrigating-Weeding - Harvesting  
(c) Ploughing - Sowing - Manuring – Weeding-Irrigating - Harvesting  
(d) Ploughing - Sowing - Irrigating - Manuring -Weeding – Harvesting

**110. Citrus canker is caused by**

- (a) bacteria (c) virus (b) fungi (d) protozoan

**111. Which of the following is named as versatile material?**

- (a) Bakelite (c) Melamine (b) Teflon (d) Polythene

**112. Shyam was cooking potato curry on a chulha. To his surprise he observed that the copper vessel was getting blackened from outside. It may be due to**

- (a) proper combustion of fuel
- (b) improper cooking of potato curry
- (c) improper combustion of the fuel
- (d) burning of copper vessel

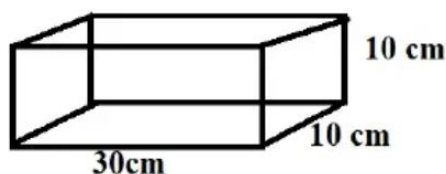
**113. Which of the following can not be beaten into thin sheets?**

- (a) Zinc (b) Copper (c) Phosphorus (d) Iron

**114. Four similar cars having exactly the same mass are running at the same speed on the same road when brakes are applied at the same time. The cars come to a stop after covering distances of 5 m, 5.5 m, 4.8 m and 5.2 m respectively. The friction between the brake pads and discs will be the maximum in the car which travels the distance of**

- (a) 5 m (b) 5.5 m (c) 4.8 m (d) 5.2 m

**115. A Brick is 30 cm long, 10 cm wide and 10 cm thick. It weighs 24 N and is lying on the ground . Find the pressure exerted by the brick on the ground as shown in the figure.**



- (a)  $8000 \text{ N/m}^2$  (b)  $800 \text{ N/m}^2$  (c)  $1600 \text{ N/m}^2$  (d)  $720 \text{ N/m}^2$

**116. 'Our universe is expanding', This speculation is propounded by**

- (a) Newton (b) Galileo (c) Edwin Hubble (d) Copernicus

**117. The image of an object in case of hypermetropia is formed**

- (a) behind the retina (b) at retina (c) before retina (d) None of these

**118. Number of image formed of an object Placed between the two inclined plane mirror at an angle of  $30^\circ$ , is --**

- (a) 9 (b) 11 (c) 7 (d) 13

**119. For electroplating nickel on an object, which terminal of the battery is connected to the object?**

- (a) Positive (b) Negative (c) Both (a) and (b) (d) None of these

**120. When ebonite rod rubbed with woollen cloth than ebonite rod has:**

- (a) negative charge (b) positive charge
- (c) sometimes negative charge and sometimes positive charge (d) no charge

**121. A person rings a metallic bell near a strong concrete wall. He hears the echo after 0.3 s. If the sound moves with a speed of 340 m/s. The wall is far from him?**

- (a) 102 m (b) 11 m (c) 51 m (d) 30 m

**122. Which of the following pairs of compounds undergo displacement reaction when they react with each other?**

- (a) Cu and  $\text{AgNO}_3$  solution (b) Ag and  $\text{FeSO}_4$  solution
- (c) Cu and NaCl solution (d) Mg and NaCl solution

**123. On a cold winter night, the persons sleeping in a room with closed door and windows with a coal fire burning inside may die due to the excessive accumulation of :**

- (a) nitrogen monoxide (b) nitrogen dioxide
- (c) carbon dioxide (d) carbon monoxide

**124. Which of the following has cross-linked polymer chains ?**

- (a) acrylic (b) Bakelite (c) polyester (d) PVC

**125. When a copper vessel is exposed to moist air for long, it acquires a dull green coating. The green material is a mixture of?**

- (a) Copper Oxide & Copper Nitrate (b) Copper Hydroxide & Copper Carbonate
- (c) Copper Carbonate and Copper Sulphate (d) Copper Hydroxide and Copper Nitrate



## **SOCIAL SCIENCE –**

**126. Which fundamental right is violated when a politician in one state decides not to allow labourers from other states to work in his state?**

- (a) Right to freedom      (b) Right against exploitation      (c) Right to equality      (d) Right to Life

**127. Thorium is found in large quantities in the Monazite sands of:**

- (a) Kerala      (b) Rajasthan      (c) Gujarat      (d) Madhya Pradesh

**128. Which courts were first established in three presidency cities of Calcutta, Bombay and Madras in 1862?**

- (a) Lower Court      (b) High Court      (c) Supreme Court      (d) Civil Court

**129. To increase access to justice the Supreme Court devised a mechanism known as:**

- (a) Public interest Litigation      (b) Writ      (c) Habeas Corpus      (d) Certiorari

**130. The Lahore Gate Improvement Scheme was introduced in the year:**

- (a) 1927      (b) 1880      (c) 1915      (d) 1888

**131. The traders exported cocoons reared by Santhals to:**

- (a) Madras      (b) Calcutta      (c) Gaya      (d) Bombay

**132. What was 'Bandana' ?**

- (a) A Muslin Cloth      (b) A Scarf      (c) Flower art      (d) Tribal Jewellery

**133. In which year was the Scheduled Castes and Scheduled Tribes Act passed?**

- (a) 1980      (b) 1989      (c) 1971      (d) 1974

**134. The forest Satyagraha rose in the central provinces in:**

- (a) 1910      (b) 1920      (c) 1930      (d) 1940

**135. \_\_\_\_\_ is the phenomena where bare ground between plants covered with a layer of organic matter like straw.**

- (a) Mulching      (b) Contour binding      (c) Contour Ploughing      (d) Shelt Barriers

**136. Which of the following statements is not correct?**

- (a) Jute grows well on alluvial soil and requires high temperature, heavy rainfall and humid climate  
(b) The cultivation of rice requires high temperature, high humidity and rainfall.  
(c) Shifting cultivation is done in areas of heavy rainfall and quick regeneration of vegetation  
(d) Commercial farming is practiced in the semi-arid and arid regions of the world

**137. 'Kalamkari' painting refers to --**

- (a) a hand-painted cotton textile in South India.  
(b) a handmade drawing on bamboo handicrafts in North-East India.  
(c) a block-painted woollen cloth in Western Himalayan region of India.  
(d) a hand-painted decorative silk cloth in North-Western India.

**138. The breaking up and decay of exposed rocks by temperature changes, frost action, plants, animals and human activity is called --**

- (a) Erosion      (b) Mulching      (c) Weathering      (d) Deposition

**139. The largest number of soldiers participated in the struggle of 1857 came from -**

- (a) Bengal      (b) Bihar      (c) Awadh      (d) Rajasthan

**140. The Tropical regions of the world are famous for -**

- (a) Intensive farming      (b) Subsistence farming      (c) Plantation farming      (d) Mixed farming

**141. The Constitutional Panchayati Raj system does not apply to which among the following states?**

- (a) Meghalaya      (b) Assam      (c) Arunachal Pradesh      (d) Tripura

**142. Deccan Education Society was founded by MG Ranade in -**

- (a) 1884      (b) 1885      (c) 1886      (d) 1887

**143. In Ahmedabad, the first textile mill was established in which year?**

- (a) 1856      (b) 1859      (c) 1861      (d) 1855

**144. Consider the following statements**

1. The Government of India Act 1909, allowed for some elected representation in the legislature.
2. Indian Nation Congress demanded Home rule in 1906 first time.
3. Rajya Sabha with Total strength of 545 members.
4. Lok Sabha with a total strength of 245 members.

**Which one of the above is/are true.**

- (a) 1, 2 only
- (b) 1, 2,3 only
- (c) 1,2, 5, only
- (d) all true

**145. Which of the following is not true regarding minerals?**

- (a) Minerals are not evenly distributed over space.
- (b) Minerals in the Arctic Ocean bed and Antarctica are easily accessible.
- (c) Minerals are created by natural processes without any human interference.
- (d) Minerals are identified based on their physical properties such as color, density, and hardness, and chemical properties such as solubility.

**146. The farming system in which the farmer cultivates a small plot of land using simple tools and more labour is called?**

- a) Subsistence farming
- b) Primitive subsistence agriculture
- c) Organic farming
- d) intensive subsistence agriculture

**147. With reference to Indian History, which one of the following statements is not correct:**

- (a) First modern map of India was produced by James Rennel in 1782.
- (b) First Governor-General of India was Warren Hastings( 1773).
- (c) the Last Viceroy of British India was Lord Mountbatten.
- (d) National Archives of India was established at Calcutta in 1920.

**148. With reference to Indian History, which one of the following statements is not correct:**

- (a) British India territories were divided into the administrative unit is called presidencies. Bengal, Madras, and Bombay were three presidencies.
- (b) Qazi; A judge
- (c) Mufti: A jurist of the Muslim community.
- (d) From 1772, a new system of justice was established. Each district was to have two courts; the criminal court was also called Diwani Adalat and the civil court was called Faujdari Adalat.

**149. Which one of the following statements is not correct**

- (a) Khond tribes are hunter-gatherers tribes of Odisha
- (b) Baigas tribe of Central India were reluctant to work for others as laborers as it was against the dignity of Baigas.
- (c) Van Gujjar of Punjab Himalayas and the Labadie tribe of Andhra Pradesh were cattle herders.
- (d) Gaddis tribes of Kullu reared Cows and Bakarwals of Kashmir reared Yak.

**150. Which one of the following is not correct.**

- (a) Patola weave was being manufactured in Gujarat which had great demand in Indonesia.
- (b) Calico word derived from Calicut; Portuguese used this word in Europe that means textile and spice brought from Calicut.
- (c) Chintz, Cossaes, and bandana were varieties of printed cotton cloths during the nineteenth century.
- (d) In 1864, the spinning jenny was invented by John Kaye.