

# English

1. Complete the sentence.

There were \_\_\_\_ students in the class.

- (A) Heavy (B) Little (C) Many (D) Some of the

2. She always \_\_\_\_\_ at 5 AM every day.

- (A) Get up (B) Got up (C) Wakes up (D) Wake up

3. She \_\_\_\_\_ completed her homework.

- (A) Have (B) Has (C) Is (D) Was

4. Change this sentence into a question: "She went home yesterday night."

- (A) When do she go home? (B) When has she gone home?  
(C) When did she go home? (D) When did she went home?

5. When I visited him in Mumbai, he \_\_\_\_\_ there for five years.

- (A) Teaches (B) is teaching  
(C) had been teaching (D) has been teaching

6. Complete this sentence: "If she had told him about the problem,

- (A) "he would solve it." (B) "he would have solved it."  
(C) "he would had solved it." (D) "he solved it."

7. Change into passive: "The thief stole the woman's purse."

- (A) The woman's purse has been stolen by the thief."  
(B) The woman's purse was stealing by the thief."  
(C) The woman's purse had been stolen by the thief."  
(D) The woman's purse was stolen by the thief."

8. My friend is good \_\_\_\_\_.

- (A) in speaking English (B) at speaking English  
(C) in speak English. (D) at speak English

9. Tom \_\_\_\_\_ about their lives.

- (A) wants that people think (B) want people think  
(C) wants people to think (D) wants people thinking

10. Change the following into a question: "No, my sister doesn't play an instrument."

- (A) Your sister play an instrument? (B) Is your sister playing an instrument?  
(C) Do your sister plays an instrument? (D) Does your sister play an instrument?

11. I would have come to your party if you \_\_\_\_\_ me.

- (A) invited (B) would have invited  
(C) had invited (D) did invite

**12. Turn this sentence into an active sentence: "We were given no homework by the teacher."**

- (A) The teacher didn't give us any homework.
- (B) The teacher hadn't given us any homework.
- (C) The teacher hasn't given us any homework.
- (D) None of these

**13. Change the sentence into negative form "I spoke to him last week."**

- (A) I don't spoke to him last week
- (B) I not spoke to him last week
- (C) I didn't speak to him last week
- (D) I didn't spoke to him last week

**14. We \_\_\_\_\_ each other for the past ten years.**

- (A) know
- (B) are knowing
- (C) have known
- (D) had known

**15. Next year, my mom \_\_\_\_\_ celebrate her 80th birthday.**

- (A) will
- (B) is going to
- (C) will be
- (D) would

**16. I would learn more vocabulary if I \_\_\_\_\_ more time.**

- (A) had
- (B) would have
- (C) had had
- (D) have

**17. Look at these dark clouds: It \_\_\_\_\_ rain soon.**

- (A) is raining
- (B) is going to
- (C) rains
- (D) will

**Give the correct preposition:**

**18. My birthday is \_ Monday.**

- (A) in
- (B) on
- (C) at
- (D) by

**19 He goes to school \_\_\_ bus.**

- (A) on
- (B) in
- (C) by
- (D) with

**20. Which word is correctly spelled?**

- (A) defination
- (B) attendance
- (C) excercise
- (D) division

**21. Can you show me the way to the hotel? is an \_\_\_\_\_ sentence.**

- (A) Assertive
- (B) Interogative
- (C) Exclamatory
- (D) Optative

**22. Fill in the blanks with the correct form of pronoun I am one year older than \_\_\_\_\_.**

- (A) he
- (B) him
- (C) his
- (D) all of these

**23. Identify the noun in the sentence.**

**Are these oranges fresh enough ?**

- (A) Oranges
- (B) are
- (C) fresh
- (D) enough

**24. What is the synonym of 'hard'?**

- (A) difficult
- (B) easy
- (C) little
- (D) tiny

**25. Convert into indirect speech**

**He said, "I will get good marks in this paper"**

- (A) He said that I would get good marks in this paper.
- (B) He said that he would get good marks in that paper
- (C) He said that he would get good marks in this paper
- (D) He said that I would get good marks in that paper.

**Science**

**26. Compost is a \_\_.**

- (A) manure
- (B) fertiliser
- (C) pesticide
- (D) weedicide

**27. What helps in the rise of bread or dosa dough?**

- (A) Heat
- (B) Grinding
- (C) Growth of yeast cells
- (D) Low pressure

**28. Which fibre is used as artificial wool?**

- (A) Acrylic
- (B) Rayon
- (C) Nylon
- (D) Cotton

**29. The most reactive metal is**

- (A) copper
- (B) silver
- (C) potassium
- (D) calcium

**30. Which one of the following is a petrochemical?**

- (A) Ammonia
- (B) Coke
- (C) Acetone
- (D) Paraffin wax

**31. The burning of LPG is an example of \_\_ .**

- (A) rapid combustion
- (B) spontaneous combustion
- (C) slow combustion
- (D) explosion

**32. Which of the following gases is needed by plants for photosynthesis?**

- (A) Oxygen
- (B) Nitrogen
- (C) Carbon dioxide
- (D) Sulphur

**33. Tissues combine to form \_\_.**

- (A) nucleus
- (B) cells
- (C) organism
- (D) organs

**34. Ovum or eggs are formed in -**

- (A) ovary
- (B) testes
- (C) penis
- (D) oviduct

**35. How many pairs of chromosomes are found in nuclei of human cells?**

- (A) 22 pairs (B) 23 pairs  
(C) 24 pairs (D) 25 pairs

**36. Force acting on per unit area is called \_\_\_\_.**

- (A) non-contact forces (B) contact forces  
(C) force (D) pressure

**37. Friction always -**

- (A) opposes the motion (B) helps the motion  
(C) both (A) and (B) (D) none of these

**38. The hearing range of human ear is -**

- (A) 20 Hz to 20,000 Hz (B) less than 20 Hz  
(C) more than 20,000 Hz (D) 20 Hz to 25,000 Hz

**39. Pure or distilled water is a -**

- (A) poor conductor (B) good conductor  
(C) both (A) and (B) (D) none of these

**40. The power of an earthquake is expressed on a scale called \_\_\_\_.**

- (A) seismic scale (B) iron scale  
(C) richter scale (D) large scale

**41. Which is not a natural phenomena?**

- (A) Earthquakes (B) Cyclones  
(C) Lightning (D) Earthling

**42. Why an electric lamp glows ?**

- (A) Due to heating effect (B) Due to magnetic effect  
(C) Due to chemical effect (D) Due to physical effect

**43. Pitch of sound is determined by its \_\_\_\_.**

- (A) frequency (B) speed  
(C) amplitude (D) loudness

**44. The shape of an aeroplane is like a \_\_\_\_.**

- (A) dog (B) bird  
(C) car (D) All of the above

**45. Which of the following is determine the sex of a baby?**

- (A) Hormones (B) Chloroplast  
(C) Chromosomes (D) Pituitary gland

**46. The soil matter formed by decayed organic matter is called \_\_\_\_.**

- (A) pesticide (B) fertiliser  
(C) humus (D) biocide

47. The microorganism which contains chlorophyll \_\_\_\_\_.

- (A) virus (B) fungus  
(C) algae (D) All of these

48. Polymers are made up of small units called -

- (A) layers (B) molecules  
(C) cells (D) monomers

49. The metal which is liquid at room temperature is -

- (A) sodium (B) bromine  
(C) calcium (D) mercury

50. Full form of LPG -

- (A) Light Petroleum Gas (B) Liquefied Petroleum Gas  
(C) Long Pipe of Gas (D) Long Petroleum Gas

## Mathematics

51. An integer can be:

- (A) Only positive (B) Only Negative  
(C) Both positive and negative (D) None of the above  
(A) শুধুমাত্র ধনাত্মক (B) শুধু মাত্র ঋনাত্মক  
(C) ধনাত্মক এবং ঋনাত্মক উভয়ই (D) একটিও নহে

52. The Pythagorean triplets whose smallest no is 8:

- (A) 8,16,17 (B) 8,17,18 (C) 8,15,17 (D) 8,15,16

53. Which of the following is not a rational number when n=4?

- (A)  $\frac{4n}{4}$  (B)  $\frac{n-3}{n-3}$  (C)  $\frac{n-4}{n+4}$  (D)  $\frac{n+4}{n-4}$

54. If a coin is flipped in the air, what is the probability of getting a tail?

- (A) 0 (B)  $\frac{1}{2}$  (C) 1 (D) 2

55. A polygon that has a minimum number of sides is:

- (A) Triangle (B) Square (C) Rectangle (D) Angle

56. 40% of 50 students of a class are good at science how many students are not good at science?

- (A) 20 (B) 30 (C) 10 (D) 40

57.  $(4a^2-64) \div (2a+8) = \underline{\hspace{2cm}}$ .

(A)  $2a-4$

(B)  $2a-8$

(C)  $2a$

(D)  $2a^2+4$

58.  $xy+x+y+1$  is equivalent to:

(A)  $(x+1)(y+1)$

(B)  $x|y+1)^2$

(C)  $y(x+1)$

(D)  $(x+y)^2$

59. If  $\frac{1}{2} = \frac{4}{8}$  What type of proportion it depicts?

(A) Direct

(B) Inverse

(C) Simple

(D) None of the above

60. By what number should we divide 135 to get a perfect cube?

(A) 3

(B) 5

(C) 7

(D) 9

61. The ratio of speed of a motorbike 50km per hour and speed of cycle 20km per hour is.

(A) 2:5

(B) 5:1

(C) 5:2

(D) 1:2

62. What should be subtracted from  $\frac{-2}{3}$  to get -1?

(A)  $\frac{1}{3}$

(B)  $-\frac{1}{3}$

(C)  $\frac{2}{3}$

(D)  $-\frac{2}{3}$

63. The perimeter of the rectangle is 20cm if the length of the rectangle is 6cm , then its breadth will be .

(A) 4cm

(B) 6cm

(C) 10cm

(D) 14cm

64. Find the greatest four - digit number that is a perfect square.

(A) 9990

(B) 9801

(C) 9999

(D) None of the above

65. The spacing between classes is called-

(A) Frequency

(B) Class Interval

(C) Class limit

(D) Range

66. The probability of not picking up an ace from a pack of playing cards is-

(A)  $\frac{1}{4}$

(B)  $\frac{1}{2}$

(C)  $\frac{12}{13}$

(D) 1

67. The number of cubes of edge 3cm that can fit inside a cube of edge 9cm is-

(A) 26

(B) 27

(C) 28

(D) 29

68. A quadrilateral in which measure of each angle is less than  $180^\circ$  is-

(A) Concave

(B) Convex

(C) Both a and b

(D) None of these

69. Which of the following equations has  $x=8$  as solution?

(A)  $x+5=3$

(B)  $x-3=-5$

(C)  $\frac{x}{4} = -2$

(D)  $x-5=3$

70.  $(a+b)+c=a+(b+c)$  is called-

(A) Commutative law for multiplication

(B) Commutative law for addition

(C) Associative law for addition

(D) Associative law for multiplication.

71. A sofa set was bought for Rs.10,000. Its value depreciated at the rate of 10% per annum. Find its value after one year.

(A) 11,000

(B) 9000

(C) 1000

(D) 10,000

72. The quadrilateral whose diagonals are perpendicular to each other is-

(A) Parallelogram

(B) Rectangle

(C) Trapezium

(D) Rhombus

73.  $[(\frac{3}{4}) \times (\frac{3}{4})^2] \div (\frac{3}{4})^4$  is equal to

(A) 1

(B)  $\frac{4}{3}$

(C)  $\frac{81}{8}$

(D)  $\frac{3}{4}$

74. The number of digit in the cube root of 44,92,125 is-

(A) 1

(B) 2

(C) 3

(D) 4

75. What is the next number in the pattern 8,27,64-?

(A) 125

(B) 216

(C) 343

(D) 729

### Social Studies

76. Which of these have same utility?

(A) Water

(B) electricity

(C) Vegetables

(D) All of these

77. Which of these have economic value?

(A) Landscape

(B) Home remedies

(C) Metals

(D) None of these

78. Resources are distributed inequally over the earth because of

(A) the different natural conditions

(B) level of development

(C) technological levels

(D) all of these

**79. Resources drawn from nature and used without much modification are called**

- (A) human made resources      (B) natural resources  
(C) cultural resources      (D) none of these

**80. The basis of classification of resources are**

- (A) level of development and use      (B) origin  
(C) stock and distribution      (D) all of these

**81. Give an example of biotic resources.**

- (A) rocks      (B) minerals      (C) soils      (D) animals

**82. Coal is an example of**

- (A) renewable resources      (B) non-renewable resources  
(C) human resources      (D) potential resources

**83. Technology is an example of**

- (A) natural resources      (B) human made resources  
(C) both (A) and (B)      (D) none of these

**84. Resources used carefully and giving them time to get renewed is called**

- (A) resource depletion      (B) resource conservation  
(C) resource pollution      (D) none of these

**85. Balancing the needs to use resources and also conserve them for future generation is called**

- (A) development      (B) devaluation  
(C) sustainable development      (D) all of these

**86. How many countries of the world joined the conference of Bandung in Indonesia?**

- (A) 29 countries      (B) Less than 20 countries  
(C) More than 100 countries      (D) 100 countries

**87. Dharavi, the largest slum of the world, is situated in**

- (A) Calcutta      (B) Chennai      (C) Delhi      (D) Mumbai

**88. The leader who went on hunger strike for the Andhra Pradesh to protect the interest of Telugu speakers is**

- (A) Chitta Ranjan Das      (B) Potti Sriramulu  
(C) Krishna Menon      (D) None of these

**89. The Bhilai steel plant was set up in the year**

- (A) 1950      (B) 1952      (C) 1955      (D) 1959

**90 .How many Indians formed the Constituent Assembly?**

- (A) One hundred      (B) Two hundred      (C) Three hundred      (D) Four hundred

**91. Constitution of a nation contains:**

- (A) Rules      (B) Laws      (C) Both (A) and (B)      (D) None of these

**92. What refers to a goal or a principle in its most excellent or perfect form?**

- (A) Arbitrary      (B) Ideal      (C) Polity      (D) None of these

**93. By which time had the nationalist movement gained momentum?**

- (A) Beginning of 20th century      (B) Middle of 20th century  
(C) End of 20th century      (D) None of these

**94 .When did the King of Nepal finally take over as the head of government?**

- (A) February, 2002      (B) February, 2005  
(C) February, 2007      (D) April, 2003

**95 .State governments have authority to make rules on subjects of**

- (A) Asian concern      (B) National concern  
(C) Both of these      (D) None of these

**96 .Who has a role to play in formation of government under Universal Adult Suffrage?**

- (A) All adult Indians      (B) Only males  
(C) All children      (D) None of these

**97. If a 13-year old child is working in a factory, what is it called?**

- (A) Freedom to education      (B) Child labour  
(C) Both (A) and (B)      (D) None of these

**98 .Who was the first Prime Minister of Free India**

- (A) Jawaharlal Nehru      (B) Lai Bahadur Shastri  
(C) Mrs. Indira Gandhi      (D) Guljari Lai Nanda

**99. Which of the following are Fundamental Rights?**

- (A) Right to equality      (B) Right to freedom  
(C) Right against exploitation      (D) All of these

**100. Secularism means that the state promotes**

- (A) One religion      (B) No religion  
(C) Both (A) and (B)      (D) None of these

**SPACE FOR ROUGH WORK**