

Super Scholar 2018 Class VIII Sample Questions

1. Recognize the process shown in the figure and also the plant for which this process is used



- A.** Transplantation – paddy **B.** Irrigation - tea
C. Levelling – rice **D.** Manuring - tomatoes
2. X is a simple tool which is used for removing weeds and for loosening the soil. It has a long rod of wood or iron. A strong broad and bent plate of iron is fixed to one of its ends and works like a blade. It is pulled by animals. What is X ?
- A.** Plough **B.** Hoe **C.** Cultivator **D.** Seed drill
3. Beer and wine are both alcoholic drinks which are produced from different sources. Select the correct statement regarding the production of each
- A.** Wine is prepared by fermentation of grapes and beer by decantation of barley
B. Wine is prepared by fermentation of sugar in grapes and beer by fermentation of sugar in germinating barley
C. Wine is prepared by fermentation of sugar in barley and beer by fermentation of sugar in grapes
D. None of the above
4. When we burn the following, which of them leaves no residue? (i) Cotton (ii) Terylene (iii) Jute (iv) Nylon
- A.** (i) & (iii) **B.** (ii) & (iv) **C.** (i) & (ii) **D.** (iii) & (iv)
5. A metal piece is dropped in a test tube containing dil, H_2SO_4 , when a burning matchstick is brought near the mouth of the test tube, a pop sound is heard. The sound is produced due to
- A.** Evolution of O_2 gas **B.** Evolution of H_2 gas
C. Evolution of SO_2 gas **D.** Evolution of CO_2 gas

6. Match the column I with column II and select correct option from the codes given below.

Column I	Column II
(a) A non-metal essential for respiration	(i) Carbon
(b) A non-metal which is a source of energy in sun	(ii) Silicon
(c) A non-metal which is good conductor of electricity	(iii) Oxygen
(d) A non-metal used in semiconductors	(iv) Hydrogen

- A. (a) - (iii), (b) - (iv), (c) - (i), (d) - (ii) B. (a) - (i), (b) - (ii), (c) - (iv), (d) - (iii)
 C. (a) - (ii), (b) - (iii), (c) - (i), (d) - (iv) D. (a) - (iv), (b) - (i), (c) - (ii), (d) - (ii).

7. PCRA stands for

- A. Petrol Conservation Research Association
 B. Petroleum Conservation Research Association
 C. Petrochemical Conservation Research Association
 D. Petrol Conversion Research Association

8. Sleeping in a closed room with burning angeethi can prove to be fatal, because

- A. Coal is a poisonous substance
 B. Poisonous gas, carbon monoxide, is produced due to the incomplete combustion of coal
 C. Burning of coal in a closed room evolves carbon dioxide and water vapour, which are harmful
 D. None of the above

9. Given below are figures of flora and fauna. Which of the following can be seen at Panchmarhi Biosphere Reserve?



(i) Cheetal



(ii) Leopard



(iii) Jamun tree



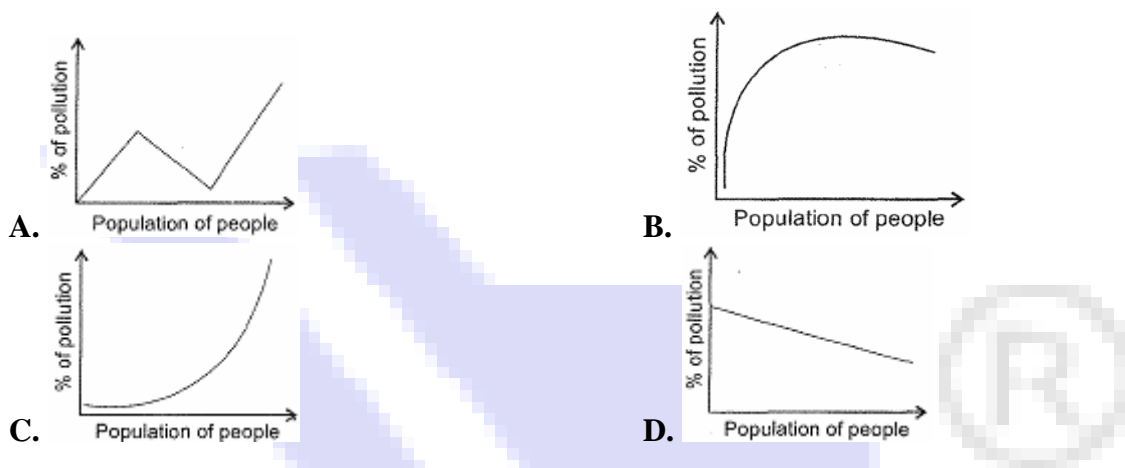
(iv) wild mango tree

- A. (i) & (ii) B. (i) & (iii) C. (i), (ii) & (iv) D. All of these

10. Which of the following statements is true?
- A. Biodiversity can be replicated by artificial means
 - B. Fossil fuels can not be recycled
 - C. Poaching is a legal industry
 - D. Fauna is plant life in a particular region
11. Plant cells can usually be distinguished from animal cells because only plant cells possess
- A. Mitochondria and lysosomes
 - B. Chloroplast and cell wall
 - C. Chromosomes and lysosomes
 - D. Chloroplast and Golgi complex
12. In honey bee the drones (males) are produced from
- A. Unfertilized eggs
 - B. Fertilized eggs
 - C. Larvae from unfertilized eggs, which are fed on royal jelly
 - D. Larvae from unfertilized eggs, which are not cared by the workers at all
13. Deep sea divers put on special suit to
- A. Maintain their body temperature in cold sea water
 - B. Protect against sea animals
 - C. Maintain pressure
 - D. Keep them dry
14. Does a falling body accelerate? Why?
- A. Yes, because the gravity is a force that causes it to move faster
 - B. No, because the gravity is a force that causes it to move at constant speed
 - C. Yes, because the air causes it to accelerate
 - D. No, because air keeps it moving at constant speed
15. To avoid slipping while walking on ice, one should take smaller steps because
- A. Frictional force of ice is large
 - B. Of larger normal reaction
 - C. Frictional force of ice is small
 - D. Of smaller normal reaction
16. When a bicycle is in motion, the force of friction exerted by the ground on the two wheels is such that it acts
- A. In the backward direction on the front wheel and in the forward direction on the rearwheel.
 - B. In the forward direction on the front wheel and in the backward direction on the rear wheel
 - C. In the forward direction on both front and the rear wheels
 - D. None of these

17. Which part of the ear does not vibrate when detecting sound?
- A. Ear drum
B. Air in the ear canal
C. Ear bones in the middle ear
D. Nerve from ear to the brain
18. Which of the following are the uses of electroplating?
- A. Make objects appear shiny
B. Prevent corrosion
C. Make objects resistant to scratches
D. All of these
19. The terminals of a battery are joined by a length of resistance wire. Which change, on its own will decrease the current through the battery?
- A. Connecting an identical wire in series with the first one
B. Covering the wire with plastic insulation
C. Using a shorter wire of the same material and same thickness
D. Using a thicker wire of the same material and same length
20. Electroscope is used
- A. To detect and test small electric charges
B. To calculate the amount of electric charge flowing through the conductor in the given interval of time
C. To find out the presence of antimatter
D. To test the presence of magnetic field
21. Splitting of light into its constituent colours is known as
- A. Scattering
B. Absorption
C. Dispersion
D. Reflection
22. A parallel beam of light is incident on a converging lens parallel to its principal axis. As one moves away from the lens on the other side on its principal axis, the intensity of light
- A. Remains constant
B. Continuously increases
C. Continuously decreases
D. First increases then decreases
23. The tail of a comet points
- A. Towards the sun
B. In arbitrary direction
C. Away from the sun
D. Away from the earth

24. Which one of the following graphs shows the likely relationship between the changes in the percentage of pollution to the activities carried out by man in a particular town?



25. Trees are planted along the roadside to reduce pollution from motor vehicles. How do trees help to reduce pollution?

- (i) They absorb traffic noise.
- (ii) They take in carbon dioxide.
- (iii) They trap dust and soot from the exhaust pipes of vehicles

- A. (i) & (ii) B. (ii) & (iii) C. (i) & (iii) D. (i), (ii) & (iii)

26. The value of $\frac{7}{12} + \frac{19}{10}$ is _____.

- A. $\frac{133}{12}$ B. $\frac{371}{12}$ C. $\frac{149}{60}$ D. $\frac{5411}{990}$

27. Solution of the equation $6(3x + 2) - 5(6x - 1) = 6(x - 3) - 5(7x - 6) + 12x$ is _____.

- A. -1 B. 1 C. 0 D. 2

28. The exterior angle of a regular polygon is one-third of its interior angle. How many sides has the polygon?

- A. 10 B. 8 C. 9 D. 13

29. The greatest six - digit number, which is a perfect square is _____.

- A. 998001 B. 995001 C. 997001 D. 996001

30. The number must be subtracted from 16161 to get a perfect square is _____.

A. 31

B. 32

C. 33

D. 34

31. If $\sqrt[3]{3\left(\sqrt[3]{x} - \frac{1}{\sqrt[3]{x}}\right)} = 2$, then $\sqrt[3]{x} + \frac{1}{\sqrt[3]{x}} =$ _____.

A. $\frac{10}{3}$

B. $-\frac{10}{3}$

C. Both (A) & (B)

D. $\frac{3}{15}$

32. The value of $\sqrt[3]{343} \times \sqrt[3]{-64}$ is _____.

A. 28

B. -28

C. 18

D. -18

33. The simple interest at x % for x years will be Rs. x on a sum of _____.

A. Rs. X

B. Rs.100 x

C. Rs. $\left(\frac{100}{x}\right)$

D. Rs. $\left(\frac{100}{x^2}\right)$

34. 34. The product of xy and x^3y^3 is _____.

A. xy

B. x^3y^3

C. x^4y^4

D. x^2y^2

35. A right cylindrical vessel is full with water. How many right cones having same diameter and height as of right cylinder will be needed to store that water?

A. 2

B. 4

C. 3

D. 5

36. The length of diagonal of a square whose area is 16900 m^2 , is _____.

A. 130 m

B. $130\sqrt{2}$ m

C. 169 m

D. 144 m

37. If $\frac{x}{y} = \frac{6}{5}$, then $\frac{x^2 + y^2}{x^2 - y^2}$ is _____.

A. $\frac{36}{25}$

B. $\frac{25}{36}$

C. $\frac{61}{11}$

D. $\frac{11}{61}$

38. The ratio of number of boys and girls in a school of 720 students is 7 : 5. How many girls should be admitted to make ratio 1 : 1 ?

A. 90

B. 120

C. 220

D. 100

39. If $(x^2 + 3x + 5)(x^2 - 3x + 5) = m^2 - n^2$, then $m =$ _____.

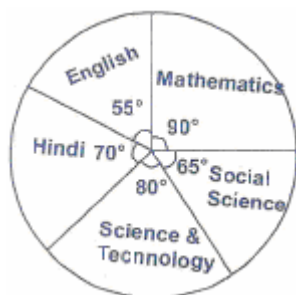
A. $x^2 - 3x$

B. $3x$

C. $x^2 + 5$

D. Both (A) and (B)

40. The given pie chart gives the marks scored in an examination by a student in English, Hindi, Science & Technology, Social Science and Mathematics. If the total marks obtained by the student were 540. The subject in which the student scored 105 marks, is _____.



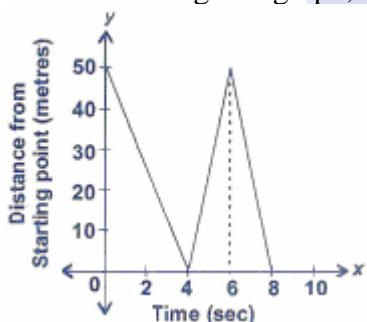
A. English

B. Mathematics

C. Social Science

D. Hindi

41. On the basis of the given graph, the total distance travelled during 8 seconds, is _____.



A. 0 m

B. 100 m

C. 150 m

D. 50 m

1 A

If $\frac{\times A}{B 6}$, where A and B are single digit number such that B - A = 3,

42. then the values of A and B are _____.

- A. 4, 5 B. 9, 6 C. 5, 4 D. 6, 9

43. If N divided by 5 leaves a remainder of 3, then one's digit of N must be _____.

- A. Either 3 or 6 B. Either 3 or 8 C. Either 8 or 1 D. Either 8 or 6

44. The average weight of 10 men is decreased by 3 kg, when one of them whose weight is 80 kg is replaced by a new person. The weight of the new person is _____.

- A. 70 kg B. 60 kg C. 50 kg D. 73 kg

45. Two tankers contain 150 litres and 100 litres of petrol respectively. The maximum capacity of container which can be used to measure exactly petrol of tanks, is _____.

- A. 150 litres B. 100 litres C. 50 litres D. 25 litres

46. In each of the following questions, choose the missing letter(s) to form a series.

AB, DEF, HIJK, ?, STUVWX

- A. LMNO B. LMNOP C. MNO PQ D. QRSTU

47. Which of the following figures complete the second pair in the same way as the first pair?



- A.  B.  C.  D. 

48. If cook is called driver drive 'S celled manager 'manager' is called 'teacher teacher is called 'clerk and 'clerk' is called principal, who will teach in a class?

- A. cook B. clerk C. teacher D. driver

49. If NOIDA is written as 39658, how will INDIA be written?
- A. 36568 B. 63569 C. 63568 D. 65368
50. If $M \times N$ means M is the daughter of N; $M + N$ means M is the father of N; $M \% N$ means M is the mother of N and $M - N$ means M is the brother of N, then $P \% Q + R - T \times K$ indicates which relation of P to K?

A. Mother-in-law B. Sister-in-law C. Mother D. Aunt

51. A boy starts walking straight towards East. After walking 75 metres, he turns to the left and walks 25 metres straight. Again he turns to the left and walks a distance of 40 metres straight. Again he turns to the right and walks a distance of 10 metres. Again he turns to the left and covers 35 m. Finally he turns to the left and covers 35 m. How far is he from the starting point?

A. 25 metres B. 50 metres C. 115 metres D. None of these

52. In the following diagram, the circle stands for Professors, the triangle stands for Surgical Specialists and Medicine Specialists are represented by the rectangle. Answer the questions based on given information.



R represents

- A. Medicine Specialists only B. Professors only
C. Surgical Specialists only D. Medicine and Surgical Specialists only

53. Study the following arrangement carefully and answer the questions given below.

E & G B D M 4 N K H 2 A C Z S V 3 F 1 J L O Q 5 P R

If the letters/digits only from M to L are written in the reverse order and other letters? numbers are kept unaltered, then which letter will be the third to the right of the 17th letter/number from the right end?

A. A B. C C. Z D. S

54. In each of the following questions, which one of the four interchanges/replacing of signs as well as in numbers in left hand side would make the given equation correct?

$$(6 \div 2) \times 3 = 0$$

A. \div and \times , 2 and 3 B. \times to $-$, 2 and 6 C. \div and \times , 2 and 6 D. \times to $-$, 2 and 3

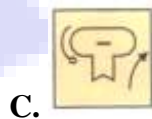
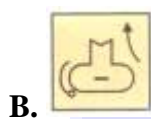
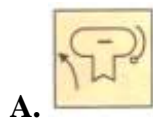
55. Count the number of triangles and squares in the given figure.



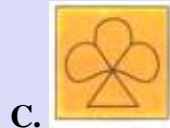
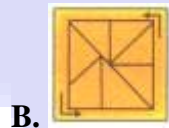
- A. 26 triangles, 5 squares
- C. 26 triangles, 6 squares

- B. 28 triangles, 5 squares
- D. 28 triangles, 6 squares

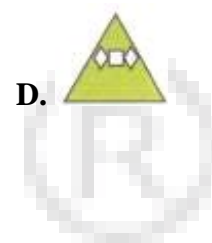
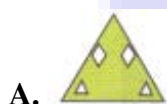
56. In each of the following questions, choose the correct mirror image of the given figure (X) from amongst the four options.



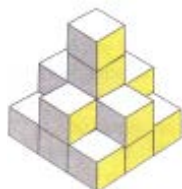
57. In each of the following questions, you are given a figure (X). The figure (X) is exactly embedded in any one of the four options. Identify the such option.



58. There are three forms X, Y and Z of a sheet of paper Figures X and Y respectively show the two consecutive folds of the sheet. And the figure Z shows cuts of the folded sheet. Choose one figure from the four options (A), (B), (C) and (D), that is the unfolded form of the sheet.



59. Count the number of cubes in the given figure.



A. 14

B. 16

C. 18

D. 22

60. In each of the following questions, from amongst the figures marked (A), (B), (C) and (D), select the one which satisfies the same condition of placement of the dots in the figure (X).

