Mathematics

1) Which is the biggest fraction?

   $\frac{2}{3}, \frac{5}{7}, \frac{7}{9}, \frac{4}{7}, \frac{6}{11}$

   a) $\frac{2}{3}$ b) $\frac{5}{7}$ c) $\frac{7}{9}$ d) $\frac{4}{7}$

2) A sum of money increased by its fifth part amounts to Rs 5.40 find the sum?

   a) Rs. 4.40   b) Rs. 4.50   c) Rs. 3.50   d) Rs. 3.90

3) One quarter of one seventh of house is sold for Rs. 6000 what is three fifth part of it?

   a) 180000   b) 100800   c) 108000   d) 180800

4) Find the smallest fraction?

   $\frac{3}{5}, \frac{5}{8}, \frac{2}{7}, \frac{7}{9}, \frac{4}{11}$

   a) $\frac{3}{2}$ b) $\frac{5}{8}$ c) $\frac{2}{7}$ d) $\frac{7}{9}$

5) What fraction is Rs. 2.50 p in Rs. 250?

   a) 1000   b) 1/1000   c) 1/100   d) 1/10

6) What fraction of 5 minutes is 60 seconds?

   a) 1/10   b) 1/60   c) 1/5   d) 1/12

7) Arrange the following fraction in ascending order $\frac{5}{6}, \frac{7}{9}, \frac{3}{5}, \frac{4}{7}, \frac{9}{13}$

   a) $\frac{5}{6}, \frac{9}{13}, \frac{7}{9}, \frac{3}{5}, \frac{4}{7}$ b) $\frac{5}{6}, \frac{7}{9}, \frac{9}{13}, \frac{3}{5}, \frac{4}{7}$ c) $\frac{9}{13}, \frac{7}{9}, \frac{5}{6}, \frac{4}{7}, \frac{3}{5}$ d) $\frac{4}{7}, \frac{3}{5}, \frac{9}{13}, \frac{7}{9}, \frac{5}{6}$

8) Which of the following is in descending order?

   a) $\frac{5}{6}, \frac{3}{4}, \frac{5}{8}, \frac{6}{7},$ b) $\frac{6}{7}, \frac{5}{6}, \frac{3}{4}, \frac{5}{8}$ c) $\frac{6}{7}, \frac{3}{4}, \frac{5}{8}, \frac{5}{6}$ d) $\frac{3}{4}, \frac{5}{6}, \frac{5}{8}, \frac{6}{7}$

9) $\frac{1}{5}$, and $\frac{2}{3}$ of a tree are respectively in mud and water if the tree is 45m. Height how muchportion

   Of it will be above water?

   a) 6m   b) 34m   c) 37m   d) 39m

10) A boy has to multiply a certain number with ¾ but by mistake he multiply that number with

   4/3 then the error is 14 find the actual number?

a) 25   b) 23   c) 24   d) 22

11) 0.5 x 0.05 x 0.005x50 =?

a) 0.625   b) 0.62500   c) 0.00625   d) 62500

12) The number whose square is equal to the difference of the square of 75.15 and 60.12 is?

a) 45.09   b) 46.09   c) 47.09   d) 48.09

13) $(225)^{2.5} \div (225)^{?} = 225$

a) 0.5   b)1   c) 2   d)None of these

14) If $1.125 \times 10^{k} = 0.001125$, then K =?

a) -4   b) -3   c) -2   d) -1

15) 3.75 + 2.832 – 1.001 + 1.803 =?

a)4.009   b)5.01   c)7.384   d) 8.385

16) Shruti bought some apples, she sold 1/3 of the apples at Rs. 2 each. She sold half of the remaining at Rs. 3 and the remaining at Rs. 2.50. If she got Rs. 145 find the total no. of apples she had?

a) 78   b) 58   c) 48   d) 68

17) 'A' sold an article to 'B' at a gain of 20% and 'B' it to 'C' at half of his price. 'C' sold it to 'D' at 10% gain. If 'D' paid Rs.660, find the C.P of 'A'?

a) Rs. 750   b) Rs. 1250   c) Rs.1000   d) Rs.1150

18) A sells an article to 'B' at a profit of 10% of its purchase price , B sells it back to A at a loss of 10%, what is the net result of for A?

a) No profit, No loss   b) 1% loss   c) 1% gain   d) None of these

19) If the C.P. of 12 tables is equal to S.P. of 16 tables, what is loss percentage?

a) 20%   b) 25%   c) 10%   d) 30%

20) A man bought a no. of apples at 3 for a rupee and an equal numbers at 2 for a rupee. At what price per dozen, should he sell them to make a profit of 20%?

a) Rs. 8   b) Rs.10   c) Rs. 5.76   d) Rs.12

21) A person bought 20 kg of wheat at 7.75 per kg and 20 kg of wheat Rs. 7.00 per kg. He mixed these two and sold at Rs. 7.50 per kg. What is his gain or loss in the transaction?

a) Gain Rs. 12   b) Loss Rs. 12   c) Gain Rs. 10   d) None of these

22) 'A', 'B' and 'C'start a business 'A' invests 3 times as much as 'B' invest and 'B' invest 2/3 of what 'C' invest . If the total profit is Rs. 1,320, find the share of A?

    a) Rs. 670   b) Rs. 630   C) Rs. 880   d) Rs. 720

23) A company owners sells his goods to distributors at a profit of 18 %. The distributors sells the same to retailer at a profit of 20%. The retailer sells them to a customer for Rs. 2124 there by earning a profit of 25% . Find the C.P. of company owner?

    a) Rs. 1250   b) Rs. 1280   c) Rs. 1200   d) Rs. 1350

24) A table clock is sold at a profit of 10%. Had it been sold for Rs. 40 less, there would have been a loss of 10%, what was the C.P?

    a) 200   b) Rs. 250   c) Rs. 275   d) Rs. 300

25) On an article of list price of Rs. 200 there is a discount of 20%. On purchase of two such articles 5% additional discounts is offered on selling price in rupees. Customer gets an article if the purchases two articles?

    a)150.75   b) Rs. 167.20   c) Rs. 187.50   d) None of these

26) A person sold his watch for Rs. 144. If the percentage of his profit was equal to the C.P., find the C.P of watch?

a) Rs. 60   b) Rs. 70   c) Rs. 80   d) Rs. 75

27) A man buys an article for Rs. 80 and marks it at Rs. 120, and then he allows a discount of 40%. What is the loss%?

  a) 10% loss   b) 15% loss   c) There is gain   d) 16 % loss

28) A discount dealer professes to sell his goods at C.P. but he uses a false weight of 9500 gr. For a K.G., the gain percent of the dealer is

  a) 15%   b) 10%   c) 12%   d) None

29) The market price of a music system is Rs. 13560. If a buyer gets two successive discounts of 15% and 10% respectively, then at what price does he buy?

  a) Rs. 10272.40   b) Rs. 10373.40   c) Rs. 10377.43   d) Rs. 10374

30) A and B buy two washing machines at same price . After two months A sells it at 5% profit and 'B' at a loss of 8%. Selling price of A is what % of the selling price of B?

  a) 114.13%   b) 141.31%   c) 104.40%   d) 115.31%

31)Arun bought 150 dictionaries at the rate of Rs.250 per head. He spent Rs.2500 on transportation and packing. He put marked price as Rs. 320 per book and gives a discount of 5% on the marked price to customer. How much percentage profit was gained by him?

a)12%   b)13%   c)14%   d)15%

32)A discount dealer sells goods at a 5% less than the cost price but uses weight which is 10% less than the original weight. What is profit of discount dealer?

a)5.15%   b)5.25%   c)5.55%   d)5.75%

33)Kalpana sold one bangle set Rs.714.If it is sold at 5% loss the selling price reduced by Rs.68.What is percentage profit?

a)10%   b)5%   c)15%   d)7.5%

34)A Shop keeper marks tag price 20% above the cost price. If he allows Rs.31.20 discount on a bill of Rs. 312. Find the profit percent on the article?

a)7%   b)8%   c)8.5%   d)7.8%

35)Radhika a increased price of a saree 12% higher than its original cost price. After that she allows a discount of 10%, what is profit / loss percentage?

 a) 0.8%   profit   b) 8%profit   c)8%Loss   d)0.8%loss

36) The selling price of an article is Rs.400 more when sold on 7% profit instead of 13%loss. Find the C.P of that article?

a)Rs.2100   b)Rs.2000   c)Rs.2500   d)Rs.1800

37) Sandhya bought a calculator at 30% discount on the labeled price and solid it at 20% profit on the labeled price ,what was profit percentage approximately?

a)75%   b)70%   c)68%   d)65%

38. By selling an article for Rs.570, my loss is 5%. At what price must I sell it to gain 5%?

a)Rs.650   b)Rs620   c)Rs.670   d)none

39) (...?...)-(1936248)=(1635773)

a) 3572021   b) 3561231   c) 356212   d)3536021

40)35999-17102-8799= (…?)

a)27696   b)10098   c)20318   d)none

41)12846×593+12846×407=(…?...)

a)24064000   b)12846000   c)24038606   d)14203706

42)987× 999 = (….?.....)

a) 897013   b) 988013   c) 986013   d) 967013

43) 469157 x 9999 = (…?...)

a) 4586970843　　　b) 4686970743　　　c) 4691100843　　　d)584649125

44)935421×625=(…?...)

a)575648125　　　b)584638125　　　c)585628125　　　d)584649125

45) (387 x 387 + 114 x 114 +2 x 387 x 114) = (…?..)

a) 250001　　　b) 251001　　c) 260110　　　d) 261001

46) 1014 x 986 = (…..?....)

a) 998904　　　b) 999804　　　c) 998814　　　d) 998804

47) 1299 x 1299 = (…?....)

a) 1585301　　　b) 168701　　c) 1685401　　　d) 1687401

48) 106 x 106 + 94 x 94 = (…?...)

a) 21032　　　b) 20032　　c) 23032　　　d) 20072

49) 5358 x 51 = (…?..)

a) 273358　　　b) 273258　　　c) 273348　　　d) 273268

50) 1307 x 1307 = (…?...)

a) 1601249　　　b) 1607249　　　c) 1701249　　　d) 1708249

Science

51) Tiger is a _____ because it eats only meat.

   a) Herbivore   b) Omnivores   c) nivores   d) None of these

52) Deer eats only plant products and so is called _____?

   a) Carnivore   b) Omnivores   c) Herbivore   d) Sugarcane

53) The process of making yarn from fibers is called _____?

   a) Yarns   b) weaving   c) spinning   d) None of these

54) The process of arranging two sets of yarns together to make a fabric is called…..?

   a) Yarns   b) weaving   c) spinning   d) None of these

55) Weaving of fabric is done on _____?

   a) Knitting   b) Fabric   c) Yarn   d) None of these

56) Materials of book is _____?

   a) Glass   b) wood   c) Plastics   d) None of these

57) Plastics is used in_____?

   a) Book   b) Tumbler   c) Fabric   d) Toy

58) The process of conversion of water into its vapour is called _____?

   a) Eveporation   b) Eveporation   c) Eaporation   d) Evaporation

59) The process of conversion of water vapour into its liquid form is called ………?

   a) Condentsation b) Condensation c) Condesation   d) Condenzation

60) A solution is said to be …………. if it cannot dissolve more of the substance in it.

   a) Saturation   b) Satureted   c) Saturated   d) Sedimentation

61) Salt is obtained from seawater by the process of _____ ?

   a) Evaparation   b) Evaporation   c) Saturated   d) Saturation

62) Objects like the sun that give out or emit light of their own are called…….. objects

   a) Luminous   b) Lumiouns   c) Transparent d) Opaque

63) A shadow is obtained only on a……….?

   a) Scream   b) Screen   c) Screan   d) Shadow

64) Never ever look directly at the ………?

   a) Moon   b) Light   c) Fire   d) None of these

65) Burning can occur only in the presence of ……………………?

   a) Nitrogen   b) Hydrogen   c) Carbon dioxide d) None of these

66) The organisms that live in soil also need ………. to respire.

   a) Nitrogen   b) Oxygen   c) Hydrogen   d) Carbon dioxide

67) Windmills are also used to generate ……………?

   a) Light   b) Heat   c) Electricity   d) Energy

68) Collecting rainwater in this way is called ………….?

   a) Rooftop rainwater harvesting c) railwater harvesting

   b) Rainwater harvesting   d) Rainwater harvearting

69) The circulation of water between ocean and land is known as the ……..?

   a) Water Cycle b) waste water c) flood water d) none of these

70) …… is another kind of force which can pull or push objects.

   a) Magnetic Force   b) Frictional Force   c) Gravitational Force d) None of these

71) The Magnetic force is a ………

   a) Contact Force   b) Force at distance   c) consequential force d) None

72) _____ conducts water to the leaves.

   a) Stem   b) Soil c) roots d) all of the above

73) If a plant has leaves with parallel venation, what kind of the roots will it have ?

   a) Tap root   b) fibrous root c) artificial roots d) none of these

74) Leaves give out water vapours through the process of ………..

   a) Transpiration b) Filtration c) evaporation d) None of these

75) The design made by veins in a leaf is called ……….?

   a) Veins design b) leaf design c) leaf venation d) none these

76) The contraction of the ………….. pulls the bones during movement.

   a) Muscles b) blood c) joints d) None

77) Soil, water and air are _____ factors of habitat.

   a) Biotic   b) Natural c) Abiotic d) Al the above

78) _____ is not a magnetic material

   a) Plastic   b) Paper   c) Iron   d) a & b

79) Artificial magnet were discovered in ……………..?

    a) Greece   b) India   c) Germany d) U.K

80) _____ Object do not allow light to pass through them

    a) Hard Object b) Opaque c) luminous object d) translucent

81) The force of _____ always attracts objects towards the earth

    a) Gravity   b) Magnetic Force c) Friction Force d) None of these

82) The S.I. unit of force is:

    a) Newton b) Kilogram Force   c) Gram Force   d) consequential force

83) The deep grooves in the type of a tractor …………?

    a) Decrease frication b) Increase frication c) make it stable d) none of these

84) They are _____ kinds of forces.

    a) 4   b) 5   c) 6   d) 7

85) SI unit of time is :

    a) Hour,   b) Solar day,   c) minute,   d) None of these

86) The appropriate unit for measuring thickness of a coin is ………….?

    a) Centimtre,   b) kilometer,   c) millimeter, d) micrometer,

87) Vitamin A deficiency causes ……………?

    a) Anaemia   b) Night blindness   c) beriberi   d) none of these

88) Calcium deficiency causes………………..?

    a) Bone and tooth decay b) rickets   c) goiter   d) None

89) The Nutrients which give energy to our body is ……………..?

    a) Protein   b) Iron   c) Carbohydrate d) Calcium

90) The Nutrients that are needed for the growth and maintenance of our body.

    a) Fats   b) Carbohydrates   c) Calcium   d) Proteins

91) Deficiency of _____ causes a disease know as Beriberi

    a) Vitamin B1 b) Vitamin B   c) Vitamin A   d) Vitamin B2

92) From which part of the plant cotton is obtain

    a) Seed   b) Flower   c) Steam   d) leaf

93) Form which part of plant jute is obtain ……..?

    a) Flower   b) Stem   c) Leaf   d) Roots

94) The process of removing seed from cotton is called……..

a) Ginning   b) spinning   c) artificial process d) None

95) The process of making yarn from fibers is called

a) Ginning   b) knitting   c) Spinning   d) None

96) Name the process by which sand and water are separated……….?

a) Sedimentation b) filtration   c) decantation   d) all the above

97) The Method of separating seeds of paddy from its stalks is called

a) Filtration b) sedimentation c) threshing d) none

98) Salt is obtain from sea water by the process of ………….?

a) Evaporation b) Filtration c) winnowing d) none

99) SI Unit of temperature is

a) Celsius   b) Kelvin   c) Newton   d) pascal

100)   SI unit of work …………..?

a) Joule   b) Celsius   c) Newton   d) None