

**MULTIPLE CHOICE QUESTION EXAMINATION - 4 ( 31.10.2023)**

**Time Allowed :** 3 hours

**CLASS :** VII

**Maximum Marks :** 120

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**Attempt all questions.**

**Section A-Mathematics**

- 1 The cost of a flower vase is ₹ 120. If the shopkeeper sells it at a loss of 10%, the selling price is \_\_\_\_\_. [1]  
a) ₹ 81      b) ₹ 79      c) ₹ 108      d) ₹ 90
- 2 Which of the following is not true? [1]  
1.  $3\frac{3}{8} = 3.375 = 337.5\%$   
2.  $\frac{2}{5} = 0.4 = 40\%$   
3.  $2\frac{1}{2} = 2.5 = 25\%$   
4.  $\frac{7}{10} = 0.7 = 70\%$   
a) Option (3)      b) Option (2)      c) Option (4)      d) Option (1)
- 3 A sum becomes ₹ 2240 in 2 years and ₹ 2600 in 5 years at simple interest. Then the sum is [1]  
a) ₹ 1880      b) ₹ 1960      c) ₹ 2210      d) ₹ 2000
- 4 Kavita invited 24 of her friends on her birthday party. In the party, the ratio of boys and girls was 3 : 5 (excluding Kavita). Find the number of boys and girls invited by Kavita on her birthday party respectively. [1]  
a) 10, 14      b) 7, 17      c) 9, 15      d) 6, 18
- 5 In any organisation, 40% employees are metric pass, remaining 50% are graduates and rest 180 are post graduates. How much is the number of graduate employees? [1]  
a) 360      b) 300      c) 180      d) 240
- 6 A man borrowed ₹ 24000 from two money lenders. For one loan he paid 15% annum and for the other 18% per annum. At the end of one year, he paid simple interest of ₹ 4050. How much did he borrow at each rate [1]  
a) ₹ 9000 and ₹ 15000      b) ₹ 8000 and ₹ 15000  
c) ₹ 15000 and ₹ 1900      d) ₹ 9000 and ₹ 10000

- 7 On selling a table for ₹ 987. Ramesh loses 6%. For how much did he purchase it? [1]  
 a) ₹ 850                      b) ₹ 900                      c) ₹ 1000                      d) ₹ 1050
- 8 The number of illiterate persons in a country decreased from 150 lakhs to 100 lakhs in 10 yrs. The decrease percentage is \_\_\_\_\_. [1]  
 a) 30%                      b) 40%                      c) 33.3%                      d) 50%
- 9 Rohan bought a second hand refrigerator for ₹ 2,500, then spent ₹ 500 on its repairs and sold it for ₹ 3,300. Find his loss or gain percent. [1]  
 a) Loss 15%                      b) Profit 20%                      c) Loss 10%                      d) Profit 10%
- 10 Kavita purchased a dozen handkerchiefs for ₹ 60 and sold them for ₹ 84 whereas Pooja purchased a dozen handkerchiefs for ₹ 90 and sold them for ₹ 150. Whose profit percent is more and by how much? [1]  
 a) Pooja, 26.6%                      b) Kavita, 31.6%                      c) Pooja, 25.4%                      d) Kavita, 23.4%
- 11 Rajni and Mohini deposited ₹ 3000 and ₹ 4000 in a company at the rate of 10% per annum for 3 years and  $2\frac{1}{2}$  years respectively. The difference of the amounts received by them will be [1]  
 a) ₹ 900                      b) ₹ 1200                      c) ₹ 1100                      d) ₹ 1000
- 12 At what rate percent per annum simple interest will a sum treble itself in 16 years? [1]  
 a) 14%                      b) 12%                      c) 12.5%                      d) 14.5%
- 13 A man spends 88 % of his annual income. If he saves ₹ 4800 every month, find his annual income. [1]  
 a) ₹ 4,80,000                      b) ₹ 3,60,000                      c) ₹ 5,40,000                      d) ₹ 5,20,000
- 14 An item marked at ₹ 840 is sold for ₹ 714. What is the discount%? [1]  
 a) 15%                      b) 25%                      c) 10%                      d) 20%
- 15 The ratio 3 : 8 is equal to [1]  
 a) 0.375%                      b) 37.5%                      c) 267%                      d) 3.75%
- 16 A sum of money at simple interest amount to be ₹ 1260 in 2 yr and ₹ 1350 in 5 yr, then the rate per cent per annum is [1]  
 a) 2.5%                      b) 5%                      c) 10%                      d) 30%
- 17 Total numbers of beads in a bag are 20, if red beads are 8 and blue beads are 12, find out the percentage of blue colour of beads. [1]  
 a) 60%                      b) 30%                      c) 50%                      d) 40%
- 18 The price of a car was ₹ 3,40,000 last year. It has increased by 20% this year. [1]

- What is the price now?
- a) ₹ 3,08,000    b) ₹ 4,08,000    c) ₹ 3,04,000    d) ₹ 4,00,400
- 19 Mr. Pant purchased a car for ₹ 3,00,000 and a bike for his son for ₹ 1,00,000. He sold the car at a profit of 10% and bike at a loss of 20%. What is the net gain or loss? [1]
- a) 2.5% loss    b) 1.5%    c) 2.5% gain    d) 2% gain
- 20 Seats for mathematics, physics and biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40 %, 50% and 75% respectively. The ratio of increased seats will be [1]
- a) 5 : 4 : 9    b) 6 : 7 : 8    c) 6 : 8 : 9    d) 2 : 3 : 4
- 21 In what time will ₹ 1860 amount to ₹ 2278.50, if simple interest is calculated at 9% per annum? [1]
- a) 2 years    b) 3 years 6 months    c) 6 months    d) 2 years 6 months
- 22 A dishonest dealer professes to sell his goods at cost price, but uses a weight of 900 grams for a kilogram weight. Find his real gain percent. [1]
- a) 13.2%    b) 11%    c)  $11\frac{1}{9}\%$     d) 12%
- 23 A shopkeeper purchased 300 bulbs for ₹ 10 each. However, 10 bulbs were fused and had to be thrown away. The remaining were sold at ₹ 12 each. Find the gain or loss %. [1]
- a) 12%    b) 13%    c) 15%    d) 16%
- 24 A farmer bought a buffalo for ₹ 64000 and a cow for ₹ 27000. He sold the buffalo at a profit of 8% but made a loss of 18% on the cow. The net result of the transactions is \_\_\_\_\_. [1]
- a) 1.2 % loss    b) 0.34 % loss    c) 0.29 % profit    d) 1.2 % profit
- 25 Find the interest on ₹ 14500 at 18% per annum for a period of 3 years and 4 months. [1]
- a) ₹ 8700    b) ₹ 8400    c) ₹ 9300    d) ₹ 9100
- 26 Which of the following rational numbers is equivalent to  $\frac{2}{3}$ ? [1]
- a)  $\frac{3}{2}$     b)  $\frac{9}{4}$     c)  $\frac{4}{9}$     d)  $\frac{4}{6}$
- 27 Write the additive inverse of  $\frac{4}{5}$ . [1]
- a)  $\frac{4}{5}$     b)  $-\frac{4}{5}$     c) 0    d) 1
- 28 Which one of the following rational numbers is in standard form?  $\frac{2}{-5}, \frac{3}{-4}, \frac{-5}{7}, \frac{-7}{-8}$  [1]

- a)  $\frac{3}{-4}$                       b)  $\frac{-5}{7}$                       c)  $\frac{-7}{-8}$                       d)  $\frac{2}{-5}$
- 29 The sum of two numbers is 40 and their product is 3680. The sum of their reciprocals is \_\_\_\_\_ [1]
- a)  $\frac{2}{77}$                       b)  $\frac{1}{92}$                       c)  $\frac{2}{47}$                       d)  $\frac{1}{84}$
- 30 The sum of  $\frac{-3}{2}$  and  $\frac{1}{2}$  is [1]
- a) - 2                      b) - 1                      c) 4                      d) 3
- 31 Write the additive inverse of  $\frac{9}{8}$ . [1]
- a) 0                      b) 1                      c)  $-\frac{9}{8}$                       d)  $\frac{9}{8}$
- 32 If  $x = \frac{2}{3}$  and  $y = \frac{3}{2}$ , then find the value of  $(x + y) \div (x - y)$ . [1]
- a)  $\frac{17}{6}$                       b)  $\frac{15}{2}$                       c)  $-\frac{13}{5}$                       d)  $-\frac{11}{6}$
- 33 To reduce a rational number to its standard form, we divide its numerator and denominator by their [1]
- a) HCF                      b) LCM                      c) multiple                      d) product
- 34 Rewrite the rational number  $\frac{-18}{48}$  in the simplest form. [1]
- a)  $\frac{-5}{8}$                       b)  $\frac{3}{8}$                       c)  $\frac{5}{8}$                       d)  $\frac{-3}{8}$
- 35 Choose the rational number which does not lie between rational numbers  $-\frac{2}{5}$  and  $-\frac{1}{5}$ . [1]
- a)  $-\frac{7}{20}$                       b)  $-\frac{3}{10}$                       c)  $\frac{3}{10}$                       d)  $-\frac{1}{4}$
- 36  $1\frac{1}{2} + 1\frac{2}{3} \div \left(\frac{6}{7} - \frac{5}{6}\right) = ?$  [1]
- a)  $\frac{19}{252}$                       b) 133                      c)  $\frac{19}{180}$                       d) 71.5
- 37 Pooja eats one full bar of chocolate. Then she divides another one into 5 equal parts and eats 3 of those parts. The total number of chocolates that she has eaten is [1]
- a)  $\frac{4}{5}$                       b)  $\frac{3}{5}$                       c)  $\frac{8}{10}$                       d)  $\frac{8}{5}$
- 38 Which of the following is equivalent to  $\frac{4}{5}$ ? [1]
- a)  $\frac{15}{25}$                       b)  $\frac{16}{20}$                       c)  $\frac{5}{4}$                       d)  $\frac{16}{25}$

- 39 Find the product of  $\frac{-3}{5} \times \frac{35}{7} \times \frac{-1}{6}$ . [1]  
a)  $\frac{1}{2}$       b)  $\frac{1}{4}$       c)  $\frac{1}{6}$       d) 1

- 40 Find  $\frac{4}{7} \times \frac{14}{3} \div \frac{2}{3}$ . [1]  
a) 3      b) 2      c) 4      d) 5

### Section B-Science

- 41 The reproductive part of a plant is the [1]  
a) Stem      b) Flower      c) Root      d) Leaf
- 42 The vegetative reproduction in rose takes place by [1]  
a) grafting      b) cutting      c) eyes      d) leaves
- 43 The swollen part at the base of a flower from which the whorls of the flower radiate is called the [1]  
a) carpel      b) pistil      c) pedicel      d) thalamus
- 44 Reproduction is essential for: [1]  
a) Continuation of species on earth      b) Change in habitat  
c) Development of variation      d) Increase in population
- 45 Process of fertilization in plants occur: [1]  
a) On the stigma      b) Inside the anther      c) Inside the ovary      d) Outside the ovary
- 46 Mature ovary forms the [1]  
a) Pistil      b) Seed      c) Fruit      d) Stamen
- 47 In nature, the same type of plants grows at different places. This happens because: [1]  
a) Seeds are carried by human beings      b) Large number of seeds are produced  
c) Seeds are transported by insects      d) Seeds are dispersed to different places
- 48 Which one of the following is not a part of a pistil? [1]  
a) Filament      b) Stigma      c) Style      d) Ovary
- 49 The main function of coloured petals of flowers is to: [1]  
a) To store nectar      b) Produce anther  
c) Attract insects for pollination      d) To attract human
- 50 The process of fusion of the male and the female gametes is called [1]

- a) Reproduction      b) Pollination      c) Fertilization      d) Seed formation
- 51 A spore producing organism is [1]  
 a) Bread mould      b) Rose      c) Ginger      d) Potato
- 52 Vegetative parts of plants include: [1]  
 a) Stem, leaves and flower      b) Stem, root and flower  
 c) Stem, root and leaves      d) Stem, branch and flower
- 53 A spore: [1]  
 a) Is covered by a hard protective coat      b) Is a sexual reproductive body  
 c) All of these      d) Germinates and develops into a new individual
- 54 The ovaries of different flowers may contain [1]  
 a) only two ovules      b) one to many ovules      c) many ovules      d) only one ovule
- 55 Which of the following parts of a plant take part in sexual reproduction? [1]  
 i).Flower  
 ii)Seed  
 iii)Fruit  
 iv)Branch  
 a) (i), (ii) and (iii)      b) (i) and (ii)      c) (ii), (iii) and (iv)      d) (iii) and (iv)
- 56 Pollination is the movement of pollen grains from: [1]  
 a) Anther to bud      b) Anther to stigma      c) Anther to ovary      d) Anther to egg
- 57 Which of the following is a winged seed? [1]  
 a) Xanthium      b) Aak      c) Drumstick      d) Castor
- 58 Which part of a plant is not involved in vegetative propagation? [1]  
 a) Stem      b) Root      c) seeds      d) Leaves
- 59 Which process of asexual reproduction is involved in fern? [1]  
 a) Vegetative propagation      b) Budding      c) Fragmentation      d) Spore formation
- 60 Leona observed that a pond with clear water was covered up with a green algae within a week. By which method of reproduction did the algae spread so rapidly? [1]  
 a) Budding      b) Sexual reproduction      c) Fragmentation.      d) Pollination

- 61 Fleshy and juicy fruits are found in: [1]  
a) Walnuts and almond    b) Orange and almond  
c) Mango and orange     d) Mango and almond
- 62 Bread mold reproduces by [1]  
a) Regeneration      b) Spore formation      c) Fragmentation      d) Budding
- 63 Wind pollinated flowers produce: [1]  
a) Larger sized pollen grains                      b) Very less number of pollen grains  
c) A very large number of pollen grains      d) Heavy and sticky pollen grains
- 64 In which of the following plants, buds are present on the margins of leaves? [1]  
a) Coriander      b) Bryophyllum      c) Touch me not              d) Chandan
- 65 Pollen grains produce [1]  
a) male gametes      b) female gametes      c) zygote                      d) embryo
- 66 The plant with dry (Xerophytic) characteristics is - [1]  
a) Mango                      b) Cactus                      c) Rose                      d) Garlic
- 67 An alga grows and breaks into two pieces, this mode of reproduction is called\_\_\_\_\_. [1]  
a) Regeneration              b) Grafting                      c) Budding                      d) Fragmentation
- 68 The scars on potato tuber is called\_\_\_\_\_. [1]  
a) Eyes                              b) Seed                              c) Axil                              d) Buds
- 69 Seed dispersal help in: [1]  
a) Avoiding competition between seedlings for sunlight and water  
b) Making seed more vigorous  
c) Selection of proper habitat  
d) Selecting a suitable variety
- 70 Most common means of pollination is\_\_\_\_\_. [1]  
a) Human                      b) Water                              c) Light                              d) Air
- 71 The male parts of the flower are called [1]  
a) styles                              b) pistils                              c) stamens                              d) carpels
- 72 Spores are asexual reproductive bodies that have a hard coat too: [1]

- a) Withstand unfavorable condition      b) Make spore safe for next season  
 c) Withstand favorable condition      d) Make the spore strong
- 73 Pollination refers to be [1]  
 a) transfer fo pollen from anther to ovule.  
 b) transfer of pollen from anther to ovary.  
 c) transfer to pollen from anther to ovule.  
 d) transfer of pollen from anther to stigma.
- 74 Bryophyllum can reproduce by its [1]  
 a) Flower      b) Stem      c) Roots      d) Leaves
- 75 Seeds of drumstick and maple are carried to long distance by wind because they possess [1]  
 a) large and hairy seeds      b) long and ridged fruits  
 c) spiny seeds      d) Winged seeds
- 76 The cell which results after fusion of male gamete and female gamete is called: [1]  
 a) Egg      b) Zygote      c) Pistil      d) Ovule
- 77 The plants produced by vegetative production are: [1]  
 a) Exact copies of the parent      b) Same features but different colour  
 c) Same in size but different in taste      d) Different from the parent
- 78 Sepals are small leafy structures at the base of the flower. Its function is to: [1]  
 a) Attracts the insect for pollination      b) Make the flower base stronger  
 c) Produce seeds      d) Protect the flower at the bud stage
- 79 Mustard and rose have: [1]  
 a) Mustard is bisexual but rose in unisexual  
 b) Mustard is unisexual but rose is bisexual  
 c) Unisexual flower      d) Bisexual flower
- 80 Pistil, the female reproductive part of the flower includes: [1]  
 a) Stigma, filament, and ovary      b) Stigma, style and ovary  
 c) Anther, style, and ovary      d) Style, filament and ovary



### Section C- Social Science

- 81 Peru current, West wind drift, Oyashio current are \_\_\_\_\_. [1]  
a) high tide      b) warm current      c) low tide      d) cold current
- 82 Dead sea is in \_\_\_\_\_. [1]  
a) Turkey      b) Lebanon      c) Egypt      d) Israel
- 83 Example of the areas where a warm and cold current meet are [1]  
a) Sea area around China and South America  
b) Sea area around Japan and North America  
c) Sea area around Japan and South America  
d) Sea area around China and North America
- 84 Neap tides occur during: [1]  
a) First quarter and last quarter of moon      b) First quarter and new moon  
c) Full moon and new moon      d) Full moon and last quarter of moon
- 85 Tsunami is a Japanese word that means "Harbour waves". Why this name is given to tsunami? [1]  
a) Roads get destroyed whenever there is a tsunami  
b) Ships get destroyed whenever there is a tsunami  
c) Harbours get destroyed whenever there is a tsunami  
d) Buildings get destroyed whenever there is a tsunami
- 86 When the water on the surface of the ocean rises and falls alternately, they are called \_\_\_\_\_. [1]  
a) air      b) evaporation      c) wind      d) waves
- 87 Tsunami means: [1]  
a) Ocean waves      b) Water waves      c) Harbour waves      d) Land waves
- 88 High Tsunami waves travel at the speed of [1]  
a) more than 550 km. per hour      b) more than 150 km. per hour  
c) more than 700 km. per hour      d) more than 300 km. per hour
- 89 Which area provides the best fishing grounds of the world? [1]  
a) The areas of the cold currents      b) The areas of the low tides

- c) The areas of the warm currents  
d) The areas where the warm and cold currents meet
- 90 How waves differ from tides? [1]  
a) Waves occur 10 hours a day while tides occur thrice times a day  
b) Waves occur 10 hours a day while tides occur two times a day  
c) Waves occur 24 hours a day while tides occur two times a day  
d) Waves occur 24 hours a day while tides occur thrice times a day
- 91 Out of total water present on earth, 0.68 percentage of water is in \_\_\_\_\_. [1]  
a) sea      b) ground water   c) rivers   d) atmosphere
- 92 The process by which water continually changes its form and circulates between ocean, atmosphere and land. [1]  
a) Water cycle      b) None of these      c) Ocean currents      d) Tides
- 93 The water of the earth closer to the moon gets pulled under the influence of the moon's gravitational force and causes \_\_\_\_\_. [1]  
a) high tide      b) small tide      c) low tide      d) long tide
- 94 How much percent of the water available in rivers and freshwater lakes? [1]  
a) 0.091      b) 0.91      c) 0.0091      d) 0.00091
- 95 The Samoan Islands are part of a large group of small islands in the southern part of the \_\_\_\_\_. [1]  
a) Antarctic Ocean      b) Indian Ocean      c) Arctic Ocean      d) Pacific Ocean
- 96 1800 - 1890 birth year and death year of \_\_\_\_\_. [1]  
a) Rokeya      b) Rashsundari Devi      c) Laxmi Lakra      d) Ramabai
- 97 Book titled Amar Jiban is written by \_\_\_\_\_. [1]  
a) Rashsundari      b) Laxmi      c) Ramabai      d) Rukeya
- 98 When we do not treat people equally we create \_\_\_\_\_. [1]  
a) Devalued      b) Double valued      c) Difference      d) Discrimination
- 99 We saw how boys and girls are made to take certain subjects not because he or she has an aptitude for it, but because they are either boys or girls. It is an example of \_\_\_\_\_. [1]  
a) Differences      b) Harassment      c) Stereotype      d) Domestic violence
- 100 Indian woman who wrote first autobiography? [1]



- a) 50,000 bullocks carrying grain                      b) 10,000 bullocks carrying grain  
c) 100,000 bullocks carrying grain                      d) 500,000 bullocks carrying grain
- 111 In 1662 who defeated the Ahom kingdom? [1]  
a) Mughals under Rahim Khan                      b) Raja Man Singh  
c) Mughals under Mir Jumla                      d) Todar Mal
- 112 Kabui tribe live in which of the following state? [1]  
a) Arunachal Pradesh    b) Manipur    c) Meghalaya    d) Assam
- 113 Following are the tribes of east India except: [1]  
a) Ahoms    b) Langahs    c) Nagas                      d) Kacharis
- 114 \_\_\_\_\_ rather than varnas became the basis for organising society. [1]  
a) Clan                      b) Jatis                      c) Varna Clan                      d) Varna
- 115 Rajput belongs to different lineages except which one of them? [1]  
a) Chandelas                      b) Mughals                      c) Chalukyas                      d) Hunas
- 116 Who transported food grain for the Mughals army during military campaigns? [1]  
a) Santal                      b) Kolis    c) Banjaras                      d) Ahoms
- 117 Who replaced the older rulers, especially in agricultural areas? [1]  
a) Banjaras                      b) Kolis                      c) Rajput                      d) Brahmanas
- 118 Who was the son of Durgawati and Dalpat? [1]  
a) Bir Narain                      b) Ram Das    c) Aman Das                      d) Salbahan
- 119 Salbahan was the: [1]  
a) Hunas Rajput raja of Mahoba                      b) Cholas Rajput raja of Mahoba  
c) Chandel Rajput raja of Mahoba                      d) Chalukyas Rajput raja of Mahoba
- 120 By 1206 who had united the Mongol and Turkish tribes into a powerful military force? [1]  
a) Genghis Khan                      b) Mehmood Khan                      c) Mir Jumla                      d) Sahil Khan