## ACADEMIC SESSION - 2024-25

MULTIPLE CHOICE QUESTION EXAMINATION - 1 (MCQ - 1)
CLASS VII - MATHEMATICS/SOCIAL SCIENCE/ SCIENCE
Time Allowed : 90 mins
Maximum Marks : 90
Date : 29.04.2024
Attempt all questions. There is no negative marking.

| 1 | Find: (-325) $\div(-13)$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | a) $25 \quad$ b) -25 | c) 13 | d) 15 |  |
| 2 | Find: $64 \div(-16)$ |  |  |  |
|  | a) $4 \quad$ b) 5 | c) - 4 | d) $\frac{4}{5}$ |  |
| 3 | ( -16 ) $\div 4$ is not same as |  |  |  |

a) 25
b) -25
c) 13
d) 15

Find. $64 \div(-16)$

| 4 |
| :--- |
| $\begin{array}{l}\text { Which pair of numbers does not have a product equal } \\ 36 ? \\ \text { a) }\{-4,-9\} \text { b) }\{-3,-12\} \text { c) }\{1,36\} \text { d) }\{-1,-72\}\end{array}$ |
| 5 |

5 For a non - zero integer $\boldsymbol{a}$, which of the following is not [1] defined?
a) $0 \div$ a
b) $1 \div$ a
c) $a \div 0$
d) $a \div 1$
$6[(-10) \times(+9)]+(-10)$ is equal to
a) -100
b) 100
c) 80
d) - 80

7 A plane is flying at the height of 5000 m above the sea level. At a particular point, it is exactly above a submarine floating 1500 m below the sea level. What is the vertical distance between them?


|  | multiply 199 negative integers and 10 positive integers? <br> a) Positive <br> b) Negative <br> c) Data is insufficient <br> d) Can't say |  |
| :---: | :---: | :---: |
| 12 | Which of the following does not represent an integer? <br> a) $20 \div(-4)$ <br> b) $(-9) \div 3$ <br> c) $0 \div(-7)$ <br> d) $(-12) \div 5$ | [1] |
| 13 | $-35 \times 107$ is not same as <br> a) $(-30-5) \times 107$ <br> b) $(-35) \times 7+(-35) \times 100$ <br> c) $-35 \times 7+100$ <br> d) $-35 \times(100+7)$ | [1] |
| 14 | Find the difference between $-2^{\circ} \mathrm{C}$ and $1^{\circ} \mathrm{C}$. <br> a) $1^{0} \mathrm{C}$ <br> b) $-1^{\circ} \mathrm{C}$ <br> c) $3^{o}$ <br> d) $-3^{\circ} \mathrm{C}$ | [1] |
| 15 | $(-25) \times[6+4]$ is not same as <br> a) $(-25) \times 10$ <br> b) $(-25) \times 6 \times 4$ <br> c) $(-25) \times 6+(-25) \times 4$ <br> d) -250 | [1] |
| 16 | Find a number that is 100 more than -90 . <br> a) -10 <br> b) 6 <br> c) 5 <br> d) 10 | [1] |
| 17 | Find: $90 \div(-45)$ <br> a) -45 <br> b) 2 <br> c) -2 <br> d) 45 | [1] |
| 18 | A collection of numbers which contains all positive numbers, all negative numbers and zero is known as <br> a) Both Whole andNatural numbers b) Natural numbers <br> c) Integers <br> d) Whole numbers | [1] |
| 19 | $(-43) \times(-99)+43$ is equal to <br> a) -4300 <br> b) 4300 <br> c) -4214 <br> d) 4257 | [1] |
| 20 | Find the difference between $-21^{\circ} \mathrm{C}$ and $-9^{\circ} \mathrm{C}$. <br> a) $-12^{\circ} \mathrm{C}$ <br> b) $-30^{\circ} \mathrm{C}$ <br> c) $12^{\circ} \mathrm{C}$ <br> d) $30^{\circ} \mathrm{C}$ | [1] |
| 21 | Find: (-136) $\div 4$ <br> a) -32 <br> b) 32 <br> c) 34 <br> d) -34 | [1] |
| 22 | ( $-11 \times 7$ is not equal to <br> a) - $(11 \times 7)$ <br> b) $7 \times(-11)$ <br> c) $11 \times(-7)$ <br> d) $(-11) \times(-7)$ | [1] |
| 23 | If $a$ and $b$ are two integers, then which of the following may not be an integer? | [1] |


|  | a) $\mathrm{a}-\mathrm{b}$ b ${ }^{\text {b }} \mathrm{a} \times \mathrm{b}$ c) $\mathrm{a}+\mathrm{b}$ d) $\mathrm{a} \div \mathrm{b}$ |  |
| :---: | :---: | :---: |
| 24 | The temperature at 12 noon was $10^{\circ} \mathrm{C}$ above zero. If it decreases at the rate of $2^{\circ} \mathrm{C}$ per hour until midnight, at what time would the temperature be $8^{\circ} \mathrm{C}$ below zero? <br> a) $9: 00 \mathrm{PM}$ <br> b) $9: 30 \mathrm{PM}$ <br> c) $10: 00 \mathrm{PM}$ <br> d) $11: 00 \mathrm{PM}$ | [1] |
| 25 | Find: $80 \div(-5)$ <br> a) 16 <br> b) 14 <br> c) -16 <br> d) 15 | [1] |
| 26 | The value of $5 \div(-1)$ does not lie between <br> a) 0 and -10 b) -6 and 6 c) -4 and -15 d) 0 and 10 | 1] |
| 27 | Find the difference between $-16^{\circ} \mathrm{C}$ and $6^{\circ} \mathrm{C}$. <br> a) $-22^{\circ} \mathrm{C}$ <br> b) $-10^{\circ} \mathrm{C}$ <br> c) $10^{\circ} \mathrm{C}$ <br> d) $22^{\circ} \mathrm{C}$ | [1] |
| 28 | The value of $(-5) \times(-4) \times(-3) \times(-2) \times(-1) \times 0+0 \times(1) \times$ <br> (2) $\times(3) \times(4) \times(5)$ is $\qquad$ <br> a) 240 <br> b) 120 <br> c) 0 <br> d) - 120 | [1] |
| 29 | - $16 \div[8 \div(-2)]$ is equal to <br> a) 4 <br> b) -1 <br> c) -4 <br> d) 1 | [1] |
| 30 | Which of the following is not the additive inverse of a? <br> a) $\mathrm{a} \times(-1)$ <br> b) - a <br> c) $-(-a)$ <br> d) $a \div(-1)$ | [1] |
| 31 | $\qquad$ $\div(4)=-16$ <br> a) -4 <br> b) 64 <br> c) 4 <br> d) -64 | [1] |
| 32 | Evaluate: $\frac{(-16) \div[(-13)+(-3)]}{(-60) \div(-60)}$ <br> a) 1 <br> b) -2 <br> c) -1 <br> d) 2 | [1] |
| 33 | $[(-9) \times(+10)]-(-10)$ is equal to <br> a) -100 <br> b) 100 <br> c) 80 <br> d) -80 | [1] |
| 34 | Which of the following does not represent an integer? <br> a) $70 \div(-14)$ <br> b) $(-57) \div 19$ <br> c) $0 \div(-7)$ <br> d) $(-18) \div 16$ | [1] |
| 35 | Find: 195 $\div(-65)$ <br> a) -5 <br> b) 3 <br> c) -3 <br> d) -5 | [1] |
| 36 | Find the difference between $-12^{\circ} \mathrm{C}$ and $-1^{\circ} \mathrm{C}$. <br> a) $11^{\circ} \mathrm{C}$ <br> b) $-11^{\circ} \mathrm{C}$ <br> c) $13^{\circ}$ <br> d) $-13^{\circ} \mathrm{C}$ | [1] |


| 37 | Which of the following is different from others? <br> a) $45+(-40)$ <br> b) -7-(-(6) <br> c) $45 \div(-5)$ <br> d) $-9+(-10)$ | [1] |
| :---: | :---: | :---: |
| 38 | $[(-25) \times[6+4]$ is not same as <br> a) $(-30+5) \times 10$ <br> b) $(-25) \times 6+((-25) \times 4$ <br> c) $-25 \times 6 \times 4$ <br> d) -250 | 1] |
| 39 | The value of X in $-15 \times(8+(-6))=-15 \times 8+(-15) \times \mathrm{X}$, is $\qquad$ <br> a) 8 <br> b) -6 <br> c) 2 <br> d) -15 | 1] |
| 40 | $(-43) \times(-99)+43$ is equal to <br> a) 4300 <br> b) -4300 <br> c) 4214 <br> d) -4214 | 1] |
| 41 | The Right to vote given to all citizens above the age of 18 , irrespective of caste, gender, religion,language etc is known as <br> (a)Universal Franchise <br> (b) Right to vote <br> (c) Universal adult franchise <br> (d)franchise | 1] |
| 42 | The common form of inequality in India is $\qquad$ <br> (a)Caste system <br> (b) Sati System <br> (c) Child marriage <br> (d) inequality based on language | [1] |
| 43 | $\qquad$ is the term lower caste people use to address themselves <br> (a)Harijan <br> (b) Dalits <br> (c) outcaste <br> (d) poor | [1] |
| 44 | Omprakash Valmiki is a famous $\qquad$ writer <br> (a)poor <br> (b) kshatriya <br> (c) dalit <br> (d) unknown | [1] |
| 45 | "Joothan "is a $\qquad$ <br> (a)Poem <br> (b) drama <br> (c) novel <br> (d) autobiography | [1] |
| 46 | $\qquad$ recognize every person as equal <br> (a)constitution <br> (b) Government <br> (c) Jails <br> (d) Chinese government | [1] |
| 47 | When persons are treated unequally their $\qquad$ is violated <br> (a)status <br> (b) freedom <br> (c) dignity <br> (d) caste | [1] |
| 48 | $\qquad$ has been abolished <br> (a)freedom to study <br> (b) untouchability <br> (c) religion <br> (d) right to reject a religion | [1] |
| 49 | The mid-day meal scheme originally began in | [1] |


|  | (a)Assam $\quad$ (b) Kerala $\quad$ (c) Tamilnadu (d) Goa |  |
| :---: | :---: | :---: |
| 50 | $\qquad$ is the corner stone of our democracy <br> (a)Parliament <br> (b) Caste system <br> (c) Discrimination <br> (d) Army | [1] |
| 51 | Which one is not a mode of nutrition in non-green plants? <br> a)Heterotrophic b)Parasitic c)Autotrophic d) Saprophytic | [1] |
| 52 | The process by which green plants produce their own food is called $\qquad$ <br> a) Translocation <br> b) Transpiration <br> c) Photosynthesis <br> d) symbiosis | [1] |
| 53 | Which plant is shown in the given figure? <br> a) Cuscuta plant <br> b) Venus fly trap plant <br> c) Pitcher plant <br> d) Sundew plant | [1] |
| 54 | Leaves of some plants are not green, but are either red or brown due to: <br> a) Absence of chlorophyll <br> b) Presence of lipids <br> c) Presence of fats <br> d) Presence of other pigments | [1] |
| 55 | Which of the following raw material is available in the air for photosynthesis? <br> a) Nitrogen b) Hydrogen <br> c) Carbon dioxide <br> d) Oxygen | [1] |
| 56 | Which of the following class of organisms belongs to saprotrophs? <br> a) Bryophytes <br> b) Fungi <br> c) Lichens <br> d) Cuscuta | [1] |
| 57 | Which of the following plants does not depend on autotrophic nutrition for food? <br> a) Venus fly trap plant <br> b) Neem tree | [1] |


|  | c) Mimosa plant d) Lemon tree |  |
| :---: | :---: | :---: |
| 58 | Which of the following is not a leguminous plant? <br> a) Pulses <br> b) Grams <br> c) Peas <br> d) Mango | [1] |
| 59 | Which one of the following is a parasite? <br> a) Cuscuta <br> b) Lichen <br> c) Rhizobium <br> d) Pitcher Plant | [1] |
| 60 | The green colour of plants is due to the presence of <br> a) Leucoplast <br> b) Phytochrome <br> c) Photosphere <br> d) Chlorophyll | 1] |
| 61 | Mutually beneficial relationship between roots of some plants and a fungus is known as: <br> a) Photosynthetic b)Probiotic c)Biogenesis d) Symbiosis | [1] |
| 62 | Lichen is a symbiotic association of $\qquad$ <br> a) algae and fungi <br> b) algae and bacteria <br> c) algae and fern <br> d) algae and virus | [1] |
| 63 | The organism that can prepare their own food is called $\qquad$ <br> a)Autotrophs <br> b)Decomposers <br> c)Consumers <br> d) Heterotrophs | 1] |
| 64 | Food prepared in plants is stored as $\qquad$ <br> a) glucose <br> b) Both Glucose and cellulose <br> c) starch <br> d) cellulose | [1] |
| 65 | The ultimate source of food on earth is <br> a) plants <br> b) fungi <br> c) animals <br> d) proteins | [1] |
| 66 | When we observe the lower surface of a leaf through a magnifying lens, we see numerous small openings. Which of the following is the term given to such openings? <br> a) Stomata <br> b) Lamina <br> c) Midrib <br> d) Veins | 1] |
| 67 | If iodine is dropped on the boiled leaf it gives blue-black colour due to the presence of <br> a) vitamin <br> b) protein <br> c) fat <br> d) starch | [1] |
| 68 | The nutrition in mushroom is <br> a) autotrophic b) saprotrophic c) symbiotic d) parasitic | [1] |
| 69 | Oval - shaped structures in which chlorophyll is found: | [1 |


|  | a) Guard cell b) Vacuole c) Stomata d) Chloroplast |  |
| :---: | :---: | :---: |
| 70 | Which of the following cannot be synthesised by plants? <br> a) Proteins b) Carbohydrates <br> c) Fats <br> d) Water | [1] |
| 71 | In the process of photosynthesis, which of the following energy conversions occur? <br> a) Solar energy is changed into chemical energy. <br> b) Solar energy is changed into mechanical energy. <br> c) Bioenergy is converted into chemical energy. <br> d) Chemical energy is changed into light energy. | [1] |
| 72 | Pitcher plant traps insects because it <br> a) is a heterotroph <br> b) grows in soils which lacks nitrogen <br> c) does not have chlorophyll <br> d) has a digestive system like human beings | 1] |
| 73 | In cactus leaves are modified into <br> a) branches <br> b) spines <br> c) leaf vein <br> d) pitcher | [1] |
| 74 | Rhizobium bacterium helps the leguminous plants to fix atmospheric $\qquad$ <br> a)Nitrogen $\qquad$ d) Water vapour | [1] |
| 75 | Amarbel is an example of <br> a) autotroph <br> b) parasite <br> c) saprotroph <br> d) host | [1] |
| 76 | By which one of the following types of nutrition, plants obtain their food? <br> a) General nutrition <br> b) Autotrophic nutrition <br> c) Specific nutrition <br> d) Heterotrophic nutrition | 1] |
| 77 | Which one of the following is an autotroph? <br> a) Lichens <br> b) Fungus c <br> Algae <br> d) Cuscuta | [1] |
| 78 | Which part of the plant takes in carbon dioxide from the air for photosynthesis? <br> a) Sepals b) Root hair <br> c) Leaf veins <br> d) Stomata | [1] |
| 79 | Which of the following is not a parasite? <br> a) leech <br> b) bedbug <br> c) lice <br> d) yeast | [1] |
| 80 | Which of the following component of food provide us | [1] |


|  | energy: <br> a) Proteins <br> b) Carbohydrates <br> c) Vitamins d) Minerals |  |
| :---: | :---: | :---: |
| 81 | Which part of the plant is known as 'food factory'? <br> a) Branches <br> b) Leaves <br> c) Roots <br> d) Stems | [1] |
| 82 | Exchange of gases in leaves takes place through: <br> a) Guard cells <br> b) Epidermis <br> c) Lenticels <br> d) Stomata | 1] |
| 83 | During the test for the starch part of leaf uncovered with black paper become: <br> a) Brown <br> b) Blue - black <br> c) Green <br> d) Orange - red | 1] |
| 84 | By which method do plants make their food? <br> a) Osmosis <br> b) Circulation <br> c) Photosynthesis <br> d) Absorption | [1] |
| 85 | Nitrogen is necessary for the formation of protein. From where plants obtain nitrogen? <br> a) From nitrogen gas dissolve in water <br> b) From the soil in the form of nitrite and nitrate <br> c) From air in form of gaseous nitrogen <br> d) From soil in form of minerals | 1] |
| 86 | The green pigment in the leaves is called $\qquad$ <br> a. Stomata <br> b. Chlorophyll <br> c. Symbiosis <br> d. None | [1] |
| 87 | This bacteria is found in the root nodules of leguminous plants. <br> a. Rhizobium <br> b. Yeast <br> c. Algae <br> d. E.coli | [1] |
| 88 | This plant traps and feeds on insects. <br> a. Pitcher plant b. Rose plant c.Mimosa plant d. None | [1] |
| 89 | This gas is released during the process of photosynthesis. <br> a. Nitrogen <br> b. Carbon dioxide <br> b. Oxygen <br> d.Methane | [1] |
| 90 | Plants are unable to use atmospheric $\qquad$ <br> a. carbon dioxide b. Oxygen c. Nitrogen d. Methane | [1] |

