

**MULTIPLE CHOICE QUESTION EXAMINATION - 1 (MCQ - 1)**  
**CLASS VIII - MATHEMATICS/SCIENCE/SOCIAL SCIENCE****Time Allowed : 90 mins****Maximum Marks : 90****Date : 29.04.2024**

<b>Attempt all questions. There is no negative marking</b>		
1	$1 \times \frac{1}{2} = \underline{\hspace{2cm}}$ . a) 0                      b) $\frac{1}{2}$ c) 2                      d) 1	[1]
2	$0 \times \frac{4}{5} = \underline{\hspace{2cm}}$ . a) 5                      b) 4                      c) 0                      (d) 1	[1]
3	Which of the following statements is false? 1. Natural numbers are commutative for addition. 2. Whole numbers are commutative for addition. 3. Integers are not commutative for addition. 4. Rational numbers are commutative for addition. a) Option (1)                      b) Option (2) c) Option (3)                      d) Option (4)	[1]
4	Find $\frac{7}{8} + \left(-\frac{5}{16}\right) + \left(-\frac{9}{16}\right) + \frac{5}{8}$ a) $\frac{5}{8}$ b) - 8                      c) 8                      d) - 5	[1]
5	Name the property under multiplication used in $\frac{-1}{3} \times (-3) = (-3) \times \frac{-1}{3} = 1$ .	[1]

	<p>a) Associative property</p> <p>b) Distributive property</p> <p>c) Reciprocal and commutative under multiplication</p> <p>d) Multiplicative identity</p>	
6	<p>Which of the following properties of rational numbers is shown below?</p> $\frac{3}{4} \times \left( \frac{7}{3} \times \frac{-4}{5} \right) = \left( \frac{3}{4} \times \frac{7}{3} \right) \times \frac{-4}{5}$ <p>a) Distributivity of addition over multiplication</p> <p>b) Commutativity of addition</p> <p>c) Distributivity of multiplication over addition</p> <p>d) Associativity of multiplication</p>	[1]
7	<p>To get the product 1, we should multiply <math>\frac{8}{21}</math> by:</p> <p>a) <math>\frac{8}{21}</math>                      b) <math>\frac{-21}{8}</math>                      c) <math>\frac{-8}{21}</math>                      d) <math>\frac{21}{8}</math></p>	[1]
8	<p>Find <math>\frac{3}{4} + \left( -\frac{5}{2} \right) + \left( -\frac{8}{3} \right) + \frac{5}{5}</math></p> <p>a) - 41                      b) - 1                      c) <math>-\frac{41}{12}</math>                      d) 12</p>	[1]
9	<p>Which statement is true?</p> <p>1. <math>- 5 + 3 \neq 3 + ( - 5)</math></p> <p>2. <math>\frac{-8}{12} = \frac{10}{-15}</math></p> <p>3. 2 is not natural number</p> <p>4. 17 is not prime number</p>	[1]

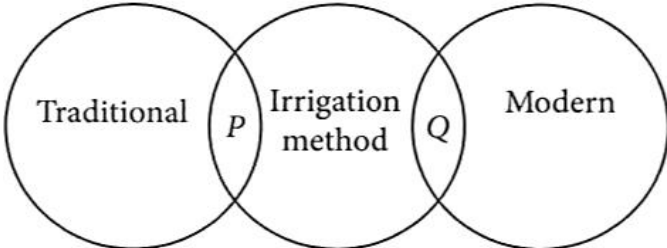
	a) Option (1)    b) Option (2)    c) Option (3)    d) Option (4)	
10	Zero (0) is a) the identity for the subtraction of rational numbers. b) the identity for the addition of rational numbers. c) the identity for the division of rational numbers. d) the identity for multiplication of rational numbers.	[1]
11	The numerical expression $\frac{3}{8} + \left(\frac{-5}{7}\right) = \frac{-19}{56}$ shows that a) addition of rational numbers is not commutative b) rational numbers are not closed under addition c) rational numbers are closed under multiplication d) rational numbers are closed under addition	[1]
12	Find $\frac{7}{8} + \left(-\frac{5}{16}\right) + \left(-\frac{3}{16}\right) + \frac{5}{8}$ a) - 16      b) - 21      c) - 1      d) 1	[1]
13	Find the additive identity for the rational number a) 1      b) 3      c) 0      d) 2	[1]
14	Divide the sum of $\frac{4}{9}$ and $\left(-\frac{7}{8}\right)$ by their product. a) $\frac{28}{31}$ b) $\frac{31}{28}$ c) $-\frac{28}{31}$ d) $-\frac{31}{28}$	[1]
15	If $x + 0 = 0 + x = x$ , which is rational number, then 0 is called a) multiplicative inverse of x      b) additive inverse of x	[1]

	c)reciprocal of x d) identity for addition of rational numbers	
16	Which one of the following is a solution of $\frac{3x-7}{3} = \frac{4x+2}{5}$ ? a) $x = \frac{22}{3}$ b) $x = \frac{41}{3}$ c) $x = (-\frac{22}{3})$ d) $x = (-\frac{41}{3})$	[1]
17	If $\frac{5x}{3} - 4 = \frac{2x}{5}$ , then the numerical value of $2x - 7$ is a) $\frac{19}{13}$ b) $\frac{13}{19}$ c) $-\frac{13}{19}$ d) 0	[1]
18	Given that: $-0.3k + 2.1 = 0.4k$ , the value of k = a) 21      b) 7      c) - 1      d) 3	[1]
19	Given that $\frac{-6p-9}{3} = \frac{2p+9}{5}$ , the value of p is a) - 2      b) 3      c) - 4      d) 5	[1]
20	Solve for y : $\frac{1}{2}(3y + 1) - \frac{1}{3}(5y + 2) = y - 1$ a) 75      b) $\frac{7}{5}$ c) $\frac{-5}{7}$ d) $\frac{5}{7}$	[1]
21	Solve: $5t - 3 = 3t - 5$ a) 0      b) 2      c) 1      d) - 1	[1]
22	Solve: $3(t - 3) = 5(2t + 1)$ a) 2      b) - 2      c) 3      d) - 3	[1]
23	Solve: $\frac{x}{2} + \frac{x}{4} + \frac{x}{5} + 10000 = x$ a) - 1000      b) 20000      c) 2000      d) 200000	[1]

24	The solution for $\frac{2}{x+3} - 4 = \frac{-6}{x+3}$ is: a) - 1      b) - 3      c) 3      d) 9	[1]
25	Solve for x: $6(3x + 2) - 5(6x - 1) = 6(x - 3) - 5(7x - 6) + 12x$ a) 2      b) 0      c) 1      d) - 1	[1]
26	Solve the following: $(x + 1) + \frac{1}{3}(x - 1) = \frac{5}{12}(x - 2)$ a) $\frac{18}{11}$ b) $\frac{-18}{11}$ c) $\frac{-11}{18}$ d) $\frac{11}{18}$	[1]
27	Solve: $\frac{x-4}{3} = \frac{5x-32}{9}$ a) 19      b) 5      c) 10      d) 20	[1]
28	Solve $\frac{2x}{3} + 1 = \frac{7x}{15} + 3$ a) 6      b) 5      c) 3      d) 10	[1]
29	Solve the equation: $3x = 2x + 18$ a) 9      b) 12      c) 6      d) 18	[1]
30	Solve: $5x + 9 = 5 + 3x$ a) - 1      b) 2      c) - 2      d) 1	[1]
31	The product of two rational numbers is always a _____. a) rational number      b) negative number c) irrational number      d) Positive number	[1]
32	Find: $\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$	[1]

	a) 1                      b) $\frac{1}{2}$ c) $-\frac{1}{2}$ d) 2	
33	The property represented by $a + b = b + a$ is a) closure property                      b) additive identity c) associative property                      d) commutative property	[1]
34	$-\frac{3}{8} + \frac{1}{7} = \frac{1}{7} + \left(-\frac{3}{8}\right)$ is an example to show that - a) rational numbers are distributive under addition b) addition of rational numbers is commutative c) addition of rational numbers is associative d) rational numbers are closed under addition	[1]
35	Find: $\frac{3}{5} + \left(-\frac{5}{12}\right) + \left(-\frac{7}{15}\right) + \frac{5}{20}$ a) $\frac{-1}{30}$ b) - 1                      c) 30                      d) $\frac{1}{30}$	[1]
36	Solve: $\frac{x-5}{3} = \frac{x-3}{5}$ a) 8                      b) 2                      c) 6                      d) 4	[1]
37	Find the value of n such that $\frac{2}{3}(4n - 1) = \frac{1}{3}n + \frac{4}{3}$ . a) $\frac{6}{7}$ b) $-\frac{5}{4}$ c) $-\frac{6}{7}$ d) $\frac{5}{4}$	[1]
38	Solve: $a - \frac{a-1}{2} = 1 - \frac{a-2}{3}$ a) 3                      b) 5                      c) 7                      d) $\frac{7}{5}$	[1]
39	If $\frac{x}{pq} + \frac{x}{qr} + \frac{x}{pr} = p + q + r$ , then $x =$	[1]

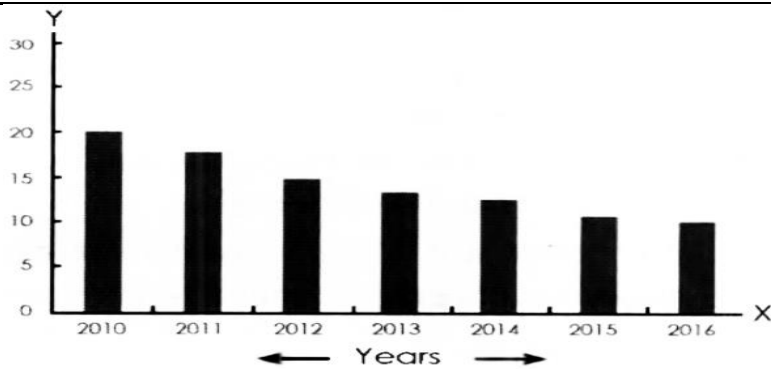
	a) $\frac{q}{pr}$ b) $\frac{p}{qr}$ c) $\frac{pq}{r}$ d) pqr	
40	Solve the following equation: $4z + 3 = 6 + 2z$ a) $\frac{3}{2}$ b) $\frac{2}{5}$ c) 2      d) 5	[1]
41	The practice of growing two or more dissimilar crops in the same field one after another is (a) crop rotation    (b) tilling    (c) plantation    (d) weeding	[1]
42	Nitrogen deficiency of soil can be removed by _____. a) applying urea      b) broadcasting c) manuring      d) transplantation	[1]
43	Birds can be kept away from field through: a) scarecrows      b) wire fences c) spraying pesticides      d) spraying weedicides	[1]
44	The unwanted plants that grow along with the crops are ____ (a) fertilisers    (b) manure    (c) weeds    (d) kharif crops	[1]
45	The ideal months for harvesting kharif crop are (a) June/July      (b) August/September (c) September/October    (d) November/December	[1]
46	Which of the following is/are sprayed in the fields to kill weeds but do not damage the crops? a) Both MCPA and 2,4 - D    b) NPK    c) MCPA    d) 2,4 - D	[1]
47	The crops grown in rainy season are known as	[1]

	<p>a)Rabi crops c)Monsoon crops</p> <p>b)Summer crops d)Kharif crops</p>	
48	<p>Organic farming will not include:</p> <p>a) use of manure c) application of bio pesticides d) application of chemical pesticides</p> <p>b) use of bio fertiliser</p>	[1]
49	<p>Refer to the given Venn diagram and select the correct option.</p>  <p>a) P could be chain pump whereas Q could be drip system. b) P could be dhekli whereas Q could be moat c) P could be sprinkler system whereas Q could be rahat d) P could be drip system whereas Q could be dhekli.</p>	[1]
50	<p>Watering the crops is called</p> <p>(a) sowing (b) manuring (c) tilling (d) irrigation</p>	[1]
51	<p>Which of the following is used for tilling the land by cultivator?</p> <p>(a) Tractor (b) Bullock (c) Buffalo (d) Horse</p>	[1]
52	<p>2, 4 - D is a</p> <p>a) insecticides b) weedicides c) pesticides d) fungicides</p>	[1]



53	<p>Which of the following nutrients replenishes the soil after growing leguminous plants?</p> <p>(a) Nitrogen (b) Oxygen (c) Phosphorus (d) Potassium</p>	[1]																		
54	<p>Following are the differences between manures and fertilisers.</p> <p>Which of the given differences are incorrect?</p> <table border="1"> <thead> <tr> <th></th> <th>Manures</th> <th>Fertilisers</th> </tr> </thead> <tbody> <tr> <td>(i)</td> <td>They are not easily soluble in water. So they are not easily absorbed by the roots of the plants.</td> <td>They are soluble in water and are absorbed by the plants easily.</td> </tr> <tr> <td>(ii)</td> <td>These are inorganic substances.</td> <td>These are organic substances.</td> </tr> <tr> <td>(iii)</td> <td>Excessive use does not harm the soil texture, they provide humus to the soil.</td> <td>Excessive use can change the chemical composition of the soil and also pollutes water.</td> </tr> <tr> <td>(iv)</td> <td>They restore the soil texture and help in water retention.</td> <td>They may damage the soil texture.</td> </tr> <tr> <td>(v)</td> <td>These are nutrient specific.</td> <td>These are not nutrient specific.</td> </tr> </tbody> </table> <p>a) (i), (ii) and (v) only      b) (iii) and (iv) only  c) (ii) and (v) only      d) (i), (iii) and (v) only</p>		Manures	Fertilisers	(i)	They are not easily soluble in water. So they are not easily absorbed by the roots of the plants.	They are soluble in water and are absorbed by the plants easily.	(ii)	These are inorganic substances.	These are organic substances.	(iii)	Excessive use does not harm the soil texture, they provide humus to the soil.	Excessive use can change the chemical composition of the soil and also pollutes water.	(iv)	They restore the soil texture and help in water retention.	They may damage the soil texture.	(v)	These are nutrient specific.	These are not nutrient specific.	[1]
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55	<p>Choose the correct option for the more quantity of usage of fertilizers and pesticides in the farms -</p> <ol style="list-style-type: none"> <li>1. They destroys the fertility of soil</li> <li>2. They barren the farms after some time.</li> <li>3. They don't create adverse effect on the beneficial components of soil</li> </ol>	[1]																		





- a) Rough handling  
 b) Weeding  
 c) Over use of fertilisers  
 d) Untimely rain

59	The management of rearing of animals for food and other products is known as  (a) granaries (b) animal husbandry (c) poultry (d) warehouse	[1]
60	Which of the following is nutrient specific?  a) fertilizer b) both manure and fertiliser c) only weedicides d) manure	[1]
61	Process of separating grains from chaff is:  a) Harvesting b) Threshing c) Buffering d) Winnowing	[1]
62	Which of the following is not provided to the soil by a chemical fertiliser?  (a) Nitrogen (b) Humus (c) Potassium (d) Phosphorus	[1]
63	The chemical substances rich in particular nutrients are called  a) composed matter b) decomposed matter c) fertilisers d) manures	[1]

64	<p>Combines are used for</p> <p>(a) sowing of seeds                      (b) harvesting the crops</p> <p>(c) threshing                      (d) both harvesting and threshing</p>	[1]
65	<p>Frequency of irrigation depends on _____.</p> <p>a) all of these      b) crop      c) season      d) soil</p>	[1]
66	<p>_____ is used in sowing</p> <p>a) Sprinkler      b) Sickle      c) Seed drill      d) Hoe</p>	[1]
67	<p>Which of the following statement(s) is/are correct, regarding the storage of food?</p> <p>I. The safety measure used for the storage of grains since a long time is the grains should be properly dried in the sun to reduce the moisture because moisture increases the growth of organisms</p> <p>II. At home we could use dried Neem leaves to store the food grains</p> <p>III. For storing large quantities of grains in big godowns, specific chemical treatments are required to protect them from pests and microorganisms</p> <p>a) Only II      b) II and III      c) I and II      d) I, II and III</p>	[1]
68	<p>Vegetables may have coating of pesticides hence must be:</p> <p>a) cooked without washing                      b) not consumed ever</p> <p>c) washed properly                      d) eaten raw after washing</p>	[1]
69	<p>Wheat and gram belong to</p> <p>(a) rabi crops                      (b) kharif crops</p>	[1]

	(c) both of these	(d) none of these	
70	<p>Which of the following holds true regarding irrigation requirements of crops?</p> <p>a) Frequency of irrigation of crops is higher in summer season due to excessive loss of water by transpiration.</p> <p>b) Crops grown in clayey soil need irrigation more frequently as compared to the crops grown in sandy soil.</p> <p>c) In our country 28% of agricultural land depend on monsoon for irrigation.</p> <p>d) Moat is a modern method of irrigation of crops.</p>		[1]
71	<p>Which of the following tools would a farmer use to remove weeds from the field?</p> <p>a) Axe                      b) Plough                      c) Hoe                      d) Cultivator</p>		[1]
72	<p>Manures are</p> <p>a) organic substances                      b) inorganic substances</p> <p>c) salts                      d) both organic and inorganic substances</p>		[1]
73	<p>Due to easy solubility in water, fertilisers are</p> <p>a) needed in small quantity</p> <p>b) easily absorbed by plants</p> <p>c) leach out fast causing water pollution</p> <p>d) all of these</p>		[1]
74	<p>Cod liver oil is a rich source of vitamin _____.</p> <p>a) vitamin C    b) vitamin D    c) vitamin B    d) vitamin E</p>		[1]

75	<p>Which statement is incorrect about storage of grains?</p> <p>a) Farmers use plastic bags to store grains in small godowns.</p> <p>b) Crop grains can be stored longer, if they are insect and moisture protected</p> <p>c) Large scale storage of grains is done in granaries.</p> <p>d) Grains should be chemically treated before storing in big godowns.</p>	[1]
76	<p>Ploughing is a method of preparing soil. It is beneficial as</p> <p>a) All of these</p> <p>b) it helps roots of penetrate deeper</p> <p>c) it helps roots to breathe easily</p> <p>d) it removes weeds</p>	[1]
77	<p>The method which allows selective cultivation of only healthy seedlings is:</p> <p>a) Transportation    b) Transpiration</p> <p>c) Broadcasting    d) Transplantation</p>	[1]
78	<p>The method of irrigation that involves a system of pipes and tubes which supply water drop - by - drop to plants is</p> <p>a) Sprinkler system    b) Drip irrigation</p> <p>c) Dhekli    d) Chain pump system</p>	[1]
79	<p>Which of the following are used for storing food grains at home?</p> <p>a) dried neem leaves    b) dried rose leaves</p>	[1]

	c) dried mint leaves	d) dried hibiscus leaves	
80	<p>The seeds selected for sowing should be</p> <p>I. Clean and healthy</p> <p>II. Disease resistant</p> <p>III. Bigger in size</p> <p>IV. Freshly stored</p> <p>a) III and IV</p> <p>b) II and IV</p> <p>c) I and III</p> <p>d) I and II</p>		[1]
81	<p>_____ tell us the fundamental nature of our society/country.</p> <p>(a) Constitution</p> <p>(b) Religion</p> <p>(c) political leaders</p> <p>(d) Economists</p>		[1]
82	<p>In _____ Indian National Congress demanded constituent assembly</p> <p>(a) 1947</p> <p>(b) 1934</p> <p>(c) 1950</p> <p>(d) 1907</p>		[1]
83	<p>A member of a community dominating over the other members of his/her community is _____</p> <p>(a) inter social domination</p> <p>(b) intra-community domination</p> <p>(c) inter-community domination</p> <p>(d) intra-community domination</p>		[1]
84	<p>There was a people's struggle for democracy in 1990 in _____</p> <p>(a) Britain</p> <p>(b) Maldives</p> <p>(c) Nepal</p> <p>(d) USA</p>		[1]

85	Monarchy is the rule by (a) people (b) religious leaders (c) the educated (d) the king	[1]
86	Constitution provides safeguards against this. 'This' means (a) Media (b) legislature (c) Judiciary (d) misuse of power	[1]
87	Cruel and unjust use of power/authority is (a) democracy (b) Oligarchy (c) Tyranny (d) theocracy	[1]
88	Government has _____ organs (a) 7 (b) 2 (c) 4 (d) 3	[1]
89	_____ have been referred to as the conscience of the indian constitution (a) Fundamental Rights (b) Directive Principles of State policy (c) Cultural and educational rights (d) Right to constitutional remedies	[1]
90	Every person has the right to practice, profess and propagate his/her religion. It is called the Right to _____ (a) Freedom of religion (b) Freedom of profession (c) Freedom for equality (d) none of these	[1]