MULTIPLE CHOICE QUESTION EXAMINATION - 6 (MCQ – 6) – (31.01.2023)

Time Allowed : 3 hours   CLASS : **VII**   Maximum Marks : 120

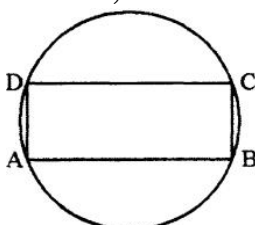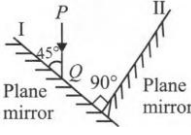|	**Attempt all questions**
1	How many kg of Basmati rice costing ₹ 45/kg should a shopkeeper mix with 18 kg of ordinary rice costing ₹ 22/kg so that he can get a profit 20% of on selling the mixture at ₹ 42/kg. a) 23.4 kg b) 24.6 kg c) 20.5 kg d) 22.8 kg
2	If 15% of 40 is greater than 25% of a number by 2, then the number is a) 16 b) 32 c) 12 d) 24
3	The cost price of an article increases by ₹ 100. The selling price increases by 10%. If the new profit decreases from 15% to 10%, what is the original cost price? a) ₹ 666.66 b) ₹ 6666.06 c) ₹ 66.66 d) ₹ 666.06
4	Suhash has beared a loss of 25% by selling a product for ₹ 7500. To gain a profit 25% at what price he might have sold the product? a) ₹ 11200 b) ₹ 13800 c) ₹ 12500 d) ₹ 11500
5	Out of 30 students in a hostel, 8 are going to market, 20 are going to watch T.V, and rest of the students are studying. What is the percentage of students going to the market? a) 30% b) 40% c) $26\frac{2}{3}\%$ d) 35%
6	Sonali invests 15% of her monthly salary in insurance policies. She spends 55% of her monthly salary on shopping and household expenses. She saves the remaining amount of ₹ 12,750. What is Sonali's monthly income? a) ₹ 42,500 b) ₹ 35,800 c) ₹ 35, 500 d) ₹ 40,000
7	A man spent 20% of his monthly earning on house rent. Out of the balance, he spent 75% on the other house expenses. If he had a balance of ₹ 250 at the end of the month, the monthly earning of the man is a) ₹ 1250 b) ₹ 1100 c) ₹ 1150 d) ₹ 1200
8	Priyanka bought 80 pears for ₹ 40. Out of them, 25 pears were spoiled and thrown away. She sold the remaining pears at a profit of 10%. Find the selling price of 1 pear. a) ₹ 2.50 b) ₹ 0.80 c) ₹ 1.25 d) ₹ 0.25
9	A farmer has a field of area $49\frac{4}{5} hectare$. He wants to divide it equally among his one son and two daughters. Find the area of son's share. a) $17\frac{2}{9}$ hac b) $\frac{495}{5} hac$ c) $16\frac{3}{5}$ hac d) $\frac{78}{9}$ hac
10	Write the following rational numbers in ascending order: $\frac{-3}{7}, \frac{-3}{2}, \frac{-3}{4}$

	a) $\frac{-3}{2} < \frac{-3}{4} < \frac{-3}{7}$ b) $\frac{-3}{7} > \frac{-3}{4} > \frac{-3}{2}$ c) $\frac{-3}{7} < \frac{-3}{2} < \frac{-3}{4}$ d) $\frac{-3}{7} > \frac{-3}{2} > \frac{-3}{4}$
11	Every counting number is a natural number. An integer - 13 is a/an: a)Natural number b)Composite number c)Whole number d)Negative integer
12	Which number is not divisible by 6? a) 432 b) 385 c) 312 d) 270
13	$\frac{2}{3} - \frac{1}{3} = $ _____. a) $\frac{1}{3}$ b) $\frac{1}{2}$ c) $\frac{-1}{6}$ d) $\frac{1}{6}$
14	Romila, Pooja and Swati went out for dinner ina hotel. Romila paid $\frac{1}{3}$ of the bill, Pooja paid $\frac{1}{5}$ of the bill. Swati paid the remaining part of the bill. What part of the bill was paid by Swati? a) $\frac{7}{15}$ b) $\frac{1}{15}$ c) $\frac{3}{15}$ d) $\frac{4}{15}$
15	Length of tape required to cover the edges of a semicircular disc of radius 10 cm is a) 15.7 cm b) 62.8 cm c) 51.4 cm d) 31.4 cm
16	Find the area of a circle of radius 30 cm (use$\pi = 3.14$). a) 2826 cm² b) 3000 cm² c) 3200cm² d) 2286 cm²
17	The area of a circle, whose radius is 6 m, (take $\pi = 3.14$) a) 113.04 m² b) 114.2 m² c) 114.4 m² d) 114.5 m²
18	Find the area of an equilateral triangle whose each side is 5 cm long. a) $\frac{\sqrt{3}}{4}$ cm ^{2} b) $\frac{13\sqrt{3}}{4}$ cm ^{2} c) $\frac{15\sqrt{3}}{4}$ cm ^{2} d) $\frac{25\sqrt{3}}{4}$ cm ^{2}
19	The diameter of a circle is a) 2π b) $2\pi r$ c) r² d) 2r
20	The area of a circle is: a) πr^2 b) $2\pi r^2$ c) πr d) $2\pi r$
21	The circumference of two circles are in the ratio 2:3. The ratio of their areas is: a) It is 4:9 b) It is 9:4 c) It is 5:9 d) It is 4:5
22	In the figure ABCD is a rectangle. In which AB = 8 cm and BC =6 cm, at point A, B, C & D a circle is situated, an area of circle (in cm²) is: a) 25π b) 5π c) 15π d) 10π
23	Find the value of $2^3 X\ 5X\ 3^3 = $ a) 180 b) 1080 c) 1800 d) 1008 .
24	The equation for the statement:one fourth of a number minus 4 gives 4.

	a) $\frac{x}{4} - 4 = 4$ b) x - 4 = 4 c) 4x = 4 d) 4x - 4 = 4
25	What should be the value of a in the equation $2x^2+x -a = 5$ when $x = 0$? a) None of these b) - 5 c) 5 d) 10
26	Find the value of the 5x - 8 if x = (-2). a) -18 b) 18 c) -2 d) 2
27	The factors of the term - xy^2 are a) x× y × y b) - 1× y × y c) - 1× x × y d) - 1× x × y × y
28	The value of x + 7 + 4(x - 5) for x = 2 is a) - 3 b) 3 c) 5 d) 61
29	The value of $\frac{[2^3 X\ 3^3]}{[2^2 X\ 3^4]}$ is a) - $\frac{1}{2}$ b) $\frac{2}{3}$ c) $\frac{3}{2}$ d) - $\frac{3}{2}$
30	The value of $\left[(-2)^{(-2)}\right]^{(-3)}$ is a) 64 b) 32 c) 46 d) Cannot be determined
31	If $4^x = 256$ then the value of x is a) $\sqrt{2}$ b) 16 c) 4 d) 2
32	$(64)^{\frac{-2}{3}} \times (64)^{\left(\frac{5}{3}\right)}$ equal to a) 64 b) 4 c) 16 d) 8
33	The value of $(- 1)^{47}$ is a) 0 b) 1 c) - 1 d) None of these
34	*The value of* $\left(\frac{-2}{3}\right)^2$ is a) $\frac{2}{3}$ b) $\left(\frac{-2}{3}\right)$ c) $\frac{-4}{9}$ d) $\frac{4}{9}$
35	Which of the following letters has reflectional symmetry about both horizontal and vertical mirrors? a) C b) U c) H d) A
36	If a parallelogram is folded along its diagonal then which one of the following is correct about the number of line(s) of symmetry? a)Two lines of symmetry are found b)Eight lines of symmetry are found c) No lines of symmetry are found d) Four lines of symmetry are found
37	A rhombus has order of rotation _____. a) 2 b) 3 c) 1 d) 4
38	A parallelogram have a) Two lies of symmetry b) No line of symmetry c) One line of symmetry d) Four lines of symmetry
39	If a figure has two or more lines of symmetry, should it have rotational symmetry of order more than 1? a) Yes b) May be c) No d) None of these

40	How many lines of symmetries are there in a rectangle? a) 4 b) 3 c) 1 d) 2
41	Two plane mirrors I and II are placed at right angle to one another. A ray of light PQ hits I at Q making an angle of 45° as shown in the diagram. This ray will be reflected from mirror II at an angle of a) 60° b) 20° c) 45° d) 35°
42	As we decrease the angle between two mirrors, number of image formed will a) Decrease b) Increase c) Multiple d) Remain same
43	An image formed by a lens is erect. Such an image could be formed by a) concave lens provided the image is smaller than object. b) concave lens provided the image is larger than object. c) concave lens provided the image is of the same size. d) convex lens provided the image is smaller than an object.
44	What is the least distance of distinct vision for ahealthy man? a) 35 cm b) 25 cm c) 50 cm d) 15 cm
45	The image of the object placed at infinity is always formed at: a) Between pole and focus b) Centre of curvature c) Principal focus d) Pole
46	The image formed by a concave mirror may be: a)Always magnified b) Smaller or larger c)Always smaller d) Always real
47	Myopia can be corrected using a a) Concave lens b) Convex lens c) Cylindrical lens d) Bifocal lenses
48	If the object is 5 cm away from the plane mirror, the image formed by it and the object will be _____ cm apart. a) 5 b) 2.5 c) 15 d) 10
49	A man standing in front of a special mirror finds his image having a very small face, a fat body and legs of normal size. Then he concluded that the special mirror was a combination of different types of mirrors with its top, middle and bottom parts made of: a) Plane, convex and concave mirrors respectively b) Concave, convex and plane mirrors respectively c) Convex, plane and concave mirrors respectively d) Convex, concave and plane mirrors respectively
50	Which of the following capital letter look the same in a plane mirror? a) D b) N c) M d) P
51	The size of the pupil of the eye is adjusted by a) Ciliary muscles b) Optic nerve c) Cornea d) Iris
52	How does a lens work? a)It forms an image by refracting light b)It breaks a spectrum into many colours

	c)It forms an image by reflecting light d)It forms an image by dispersing light
53	Which of the following will not form a circular shadow? a) Shoebox b) A ball c) Ice - cream cone d) A circular disk
54	The path of the light is: a)A zig-zag line b)A curved line c)Always a straight line d)Depends on the medium
55	The image formed by a plane mirror can be obtained on screen because it is: a)Virtual and inverted b)Virtual and erect c)Real and erect d)Real and inverted
56	A concave lens always forms an image that is _____. a) real, inverted and diminished b) virtual, erect and diminished c) real, inverted and of same size d) real, erect and enlarged
57	A toy is placed at 10 cm in front of a plane mirror. What is the distance of image from the mirror? a) 10 cm b) 20 cm c) 30 cm d) 40 cm
58	Light always travels in straight line. This property is called a) Convergence of light b) Rectilinear propagation of light c) Dispersion of light d) Diversion of light
59	A plane mirror forms a virtual image. The distance between Mahima and her image in a plane mirror is 10 m. How much distance should she move in order to get the distance of 5 m between herself and her image? a) 2.5 m away from the mirror b) 2.5 m towards the mirror c) 5 m towards the mirror d) 5 m away from the mirror
60	Dentist use concave mirror because it forms a) Magnified image b) Diminished image c) Erect image d) Inverted image
61	Many people object to the idea of cutting forest to set up the industry because: a) Forest produce food b) Forest is nature beauty c) Forest act as green lung and water purifying system d) Forest provide habitat to human
62	Which one of the following is not a wild animal? a) jackal b) goat c) bison d) boar
63	If the forest disappears, the amount of carbon dioxide will increase that cause: a) Increase in the earth temperature b) Decrease the earth temperature c) Increase the rainfall d) Increase the groundwater
64	Which one is the correct order in a food chain? a) Grass > snake > Grasshopper > Frog > Eagle b) Grass > Grasshopper > snake > Frog > Eagle c) Grass > Frog > snake > Grasshopper > Eagle d) Grass > Grasshopper > Frog > snake > Eagle
65	Decomposers are those micro - organisms that: a) Breaks the complex organic matter b) Perform weathering of rock

	c) Convert milk into curd d) Produce food by photosynthesis
66	The process by which solar energy is trapped to produce food for all living organisms is called_____. a) Respiration b) Transpiration c) Photosynthesis d) Transportation
67	Quinine is obtained from: a) Cinchona tree b) Pine tree c) Neem tree d) Eucalyptus tree
68	Planting of the tree is done near the highways to: a) Bringing rain b) Reduce noise pollution c) Recycling of water d) Protecting from sunlight
69	_____ are plants found in particular localities. a) Fauna b) Bacteria c) Flora d) Amoeba
70	Forests are a lifeline for: a) Forest - dwelling communities b)Peasants c)Government d)Industrialist
71	Canopy is the: a) A thick covering of leaves b) Conical structure of treetop c) A roof - like structure formed by branches of tall trees d) Uppermost part of the plant
72	Which of the following industries does not depends upon forest? a) Tobacco industry b) Paper industry c) Textile industry d) Furniture industry
73	The plants having a soft stem and are generally annual are called___ a) Herbs b) Tree c) Shrubs d) Tendrils
74	Which among the following forest animals is the smallest? a) Boar b) Bison c) Fox d) Porcupine
75	If the forest disappears: a) Amount of oxygen in the air increase b) Amount of nitrogen in air decrease c) Amount of carbon dioxide in the air will increase d) Amount of carbon dioxide in the air decrease
76	which of the following serve as green lungs? a) Green pigments of the plants b) Greenhouse gases c) Kitchen gardens d) Forests
77	Decomposers convert the dead plant and animal tissues into: a) humus b) inorganic debris c) clay d) soil
78	Understoreys are formed due to: a) all of these b) different types of crowns c) different heights of trees d) different sizes of crown
79	Pick the option which gives the names of a tree and an animal, respectively from the following a) Semal , hornbill b) Neem , palash c) chinkara ,blue bull d) sal , khair
80	Forest act as a natural absorber of rainwater because it: a) Allow it to go to rivers b) Allow water to stagnate

	c) Allows the water to seep down the soil d) Allow it to flow through
81	Who propounded the doctrine of Vishishtadvaita? a) Shankara b) Ramanuja c) Tukaram d) Eknath
82	Which of the following included in the philosophy of Shankara (i) He was an advocate of Advaita or the doctrine of the oneness of the individual soul (ii) He propounded the doctrine of Vishishtadvaita (iii)He considered the world around us to be an illusion or maya, (iv)The best means of attaining salvation was through intense devotion to Vishnu a) (i), (iii), (iv) b) (iii), (iv), (ii) c) (ii), (iii), (i) d) (i), (ii), (iii)
83	The Sikh movement began to get politicized in the seventeenth century, a development which culminated in the institution of the Khalsa by: a) Guru Tegh Bahadur in 1699 b) Guru Nanak Dev in 1699 c) Guru Angad in 1699 d) Guru Gobind Singh in 1699
84	Who propagated strict monotheism or submission to one God. It also rejected idol worship and considerably simplified rituals of worship into collective prayers? a) Sikh b) Islam c) Hindu d) Parsis
85	Who rewrote the Gita in Marathi? a) Tulsidas b) Virashaiva c) Ramanujaaa d) Saint Janeshwara
86	Whose bhajan are preserved in the Guru Granth Sahib, Panch Vani, and Bijak? a) Kabir b) Surdas c) Tulsidas d) Mira Bai
87	Shankaradeva composed poems and plays in which language? a) Assamese b) Awadhi c) Tamil d) Gujarati
88	Who rejected all forms of ritualism, outward display of piety, and social differences based on birth? In fact, they even rejected the idea of renunciation and preferred to live with their families, earning their livelihood like any other person. a)Saints of Tamil b)Saints of Karnataka c)Saints of Kerala d)Saints of Maharashtra
89	Who was Chokhamela? a) They belong to Bahamans familyb) They were Muslim saints belong to Delhi c) They belong to Rajput family d) They belong to untouchable Mahar caste
90	Who amongst the following was not the Sikh Guru? a) Guru Arjun b) Guru Gobind Singh c) Guru Tegh Bahadur d) Guru Angad
91	Which two colours were used in Kangra Paintings? a) Blue and green b) White and green c) Black and green d) Grey and green
92	_____ permitted Bengal Brahamanas to eat certain fish varieties. a) Vishnu Purana b) Charak Samhita c) Brihaddharma Purana d) Kamasutra

93	Between the fourteenth and sixteenth centuries, Bengal was ruled by: a) Chera b) Gupta c) Sultans d) Chola
94	The conquerors tried to control the temple of Jagannatha at Puri because: a) the temple had huge wealth b) it was devoted to God Jagannatha c) the temple was very beautiful d) it was built on a large surface
95	Which of the following is false regarding the Bengali style of paintings? a)In some temples, particularly in Vishnupur in the Bankura district of West Bengal. b) The interior was relatively plain, but the outer walls of many temples were decorated with paintings, ornamental tiles or terracotta tablets. c) The comparatively more complex three - roofed structure, three triangular roofs placed on the three walls move up to converge on a curved line or a point. d) Temples were usually built on a square platform.
96	The kathaks were originally a caste of: a) Dancers in temples of south India b)Story-tellers in temples of north India c) Poets in temples of north India d) Weavers in temples of north India
97	The Chera kingdom of Mahodayapuram was established in the ninth century in the south-western part of the peninsula, part of present- day. a) Kerala b) Himachal c) Gujarat d) Maharashtra
98	In which temple Fish being dressed for domestic consumption, terracotta plaque is found? a) Vishalakshi temple, Arambagh b) Shyamaraya temple, Vishnupur c) Vishalakshi temple, Vishnupur d) Shyamaraya temple, Khajuraho
99	____ is a popular regional deity, often worshipped in the form of a stone or a piece of wood. a) Maynamati b) Gopichandra c) Dharma Thakur d) Chaitanyadeva
100	The Chinese traveller Xuan Zang came in which century? a) 15th b) 18th c) 7th d) 16th
101	_____ means the number of persons that live in one sq. km. of area. a) Population development b) Population growth c) Population explosion d) Population density
102	Crops mainly grown in the rainforest are as follows except: a) Cabbage b) Pineapple c) Tapioca d) Sweet potato
103	_____ explorers discovered the Amazon River. a) French b) German c) Italian d) Spanish
104	Which plants grow in Amazon forests? a) Rhododendron, Shisham b) Rhododendron, Bromeliads c) Orchids, Rhododendron d) Orchids, Bromeliads
105	Manioc is the staple food of which among the following? a) Africa b) Ganga Basin c) None of these d) Amazon

106	Shahtoosh is the name of _____. a) plant b) dog c) desert d) wool
107	Which glacier is found in Ladakh? a) Kosi glacier b) Tapi glacier c) Gangari glacier d) Yamuna glacier
108	___ highway cross through the Baralacha pass with three others passes. a) Dehradun -Leh b) Manali - Leh c) Himachal - Leh d) Shimla - Leh
109	____in Sahara desert show that there used to be rivers with crocodiles. Elephants, lions, sheep, cattle, and goats were common animals. a) Manuscript b) Inscriptions c) Folk songs d) Cave paintings
110	Sahara is located in which part of Africa? a) Western b) Northern c) Eastern d) None of these
111	This refers to buying and selling in large quantities. Most products, including vegetables, fruits and flowers have such special markets a) Retail b) Shopkeepers c) Wholesale d) Sellers
112	Where can one - buy branded product from a)Shopping complex b)Wholesale market c)Weekly market d)Neighbour shops
113	Which among the following is roadside stall? a) Mechanic b) All of these c) Vegetable hawker d) Fruit vendor
114	Order of Chain of marketing a) Agents - Producer - Wholesaler - Retailer b) Producer - Agents - Wholesaler - Retailer c) Producer - Agents ?Retailer - Wholesaler d) Producer - Wholesaler - Retailer - Agents
115	A series of markets that are connected like links in a chain because products pass from one market to another. a)Chain of shops b)Chain of mall c)Chain of traders d)Chain of markets
116	The Samoan Islands are part of a large group of small islands in the southern part of the_____. a) Antarctic Ocean b) Indian Ocean c) Arctic Ocean d) Pacific Ocean
117	Indian woman who wrote first autobiography? a) Rokeya b) Ramabai c) Laxmibai d) Rashsundari
118	When we do not treat people equally we create _____. a) Devalued b) Double valued c) Difference d) Discrimination
119	Book titled Amar Jiban is written by_____. a) Rashsundari b) Laxmi c) Ramabai d) Rukeya
120	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_____. a) Differences b) Harassment c) Stereotype d) Domestic violence

Answer Key

Q NO.	OPTION	Q NO.	OPTION	Q NO.	OPTION
1	A	41	A	81	B
2	A	42	D	82	A
3	A	43	A	83	D
4	C	44	D	84	B
5	C	45	A	85	D
6	A	46	B	86	A
7	A	47	B	87	A
8	B	48	D	88	D
9	C	49	D	89	D
10	A	50	C	90	C
11	D	51	A	91	A
12	B	52	A	92	C
13	A	53	A	93	C
14	A	54	C	94	A
15	C	55	B	95	C
16	A	56	B	96	B
17	A	57	B	97	A
18	D	58	B	98	A
19	D	59	B	99	C
20	A	60	A	100	C
21	A	61	C	101	D
22	A	62	B	102	C
23	B	63	A	103	D
24	A	64	D	104	D
25	B	65	A	105	D
26	A	66	C	106	D
27	D	67	A	107	C
28	A	68	A	108	B
29	B	69	B	109	D
30	A	70	A	110	B
31	C	71	C	111	C
32	A	72	A	112	A
33	C	73	A	113	B
34	D	74	D	114	B
35	C	75	C	115	D
36	C	76	D	116	D
37	A	77	B	117	D
38	B	78	A	118	D
39	A	79	B	119	A
40	D	80	C	120	C