	Attempt all questions. Each question carries 1 mark.
1	A proper fraction with denominator 7 is_____. a) $\frac{11}{7}$ b) $\frac{4}{7}$ c) $\frac{9}{7}$ d) $\frac{8}{7}$
2	Simplify: $6 + \dfrac{1}{2 + \frac{1}{2}}$ a) $\frac{21}{5}$ b) $\frac{17}{5}$ c) $\frac{16}{5}$ d) $\frac{32}{5}$
3	One - fourth of x is added to its half. The resulting sum will be: a) One-fourth of x b)Two-fifth of x c)One-third of x d)Three-fourth of x
4	What fraction of an hour are 40 minutes? a) $\frac{4}{3}$ b) $\frac{2}{3}$ c) $\frac{1}{3}$ d) $\frac{5}{3}$
5	The equivalent fraction of $\frac{3}{5}$ with denominator 20 is_____. a) $\frac{15}{20}$ b) $\frac{10}{20}$ c) $\frac{12}{20}$ d) $\frac{20}{12}$
6	Which of the following is a larger fraction? a) $\frac{2}{9}$ b) $\frac{7}{9}$ c) $\frac{1}{9}$ d) $\frac{5}{9}$
7	Decimal notation of $\frac{3}{8}$ is _____. a) 37.5 b) 3.05 c) 0.375 d) 3.75
8	The largest of the following is a) 0.0001 b) $\frac{1}{1000}$ c) $(0.100)^2$ d) $\frac{1}{10} \div 0.1$
9	The value of $15 + 0.632 + 13.8$ is _____. a) 14.127 b) 29.432 c) 39.437 d) 38.587
10	Ankit walked 3 km 45 m in the morning and 2 km 9 m in the evening. How much distance did he walk in all? a) 1.425 km b) 4.012 km c) 7.012 km d) 5.054 km
11	Which of the following is true? (A) $3 > 0.8$ (B) $0.5 = 0.05$ (C) $0.3 > 0.4$ (D)$0.07 < 0.02$ a) (B) b) (A) c) (D) d) (C)
12	Simplify: $(0.90 + 0.008) - (34.55 + 74.56)$ a) - 108.202 b) 564.890 c) - 111.980 d) - 231.450
13	725 Paisa in rupees can be written as: a) ₹ 0.725 b) ₹ 7.25 c) ₹ 72.5 d) ₹ 7.025
14	Simplify: $[\{(0.56 \times 11.11) \times 10.20\} - 22.34] + 56$ a) 34.5627 b) 56.7896 c) 104.5648 d) 97.12032
15	Using tally marks, which one of the following represents the number eight:

	a) b) c) d)
16	_____ can be grouped and presented systematically through grouped frequency distribution. a) Raw data b) Interval c) Observation d) None of these
17	Data available to us is in an unorganised form called _____. a) Frequency b) Raw data c) Interval d) Observation
18	In a pictograph if 1 picture represents 120 bikes, then 14640 bikes can be represented by _____. a) 132 pictures b) 170 pictures c) 122 pictures d) 120 pictures
19	The marks (out of 10) obtained by 28 students in a Mathematics test are listed as:1,1, 2, 6, 5, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0 The number of students who obtained marks more than or equal to 5 is a) 15 b) 13 c) 17 d) 16
20	Slant height of a cone shaped mountain is 2.5 km, and the area of base is 1.54 sq. km. What is the height of mountain? a) 3 km b) 3.11 km c) 2.2 km d) 2.4 km
21	The length and breadth of a rectangular plot of a land are in the ratio 5 : 3 . The owner spent₹ 3000 for surrounding it from all the sides at the rate of ₹ 7.5 per meter. The difference between the length and breadth of the plot is a) 75 m b) 90 m c) 60 m d) 50 m
22	Area of the rectangular garden of 50 m broad is 300 sq. m, the length of the garden is_____. a) 6 m b) 12 m c) 60 m d) 30 m
23	Through a rectangular field of dimensions 90 m and 60 m, two roads are constructed which are parallel to the sides of the rectangular field and cross each other at right angles at the centre of the field. If width of each road is 3 m. Find the area covered by the roads in the park. a) 244 m² b) 441 m² c) 495 m² d) 625 m²
24	The perimeter of an isosceles triangle with an equal side of length 4 cm and third side of length 6 cm will be: a) 14 cm b) 16 cm c) 10 cm d) 12 cm
25	If a right circular cone of vertical height 24 cm has a volume of 1232 cm³ , then the area of its curved surface is: a) 1254 cm² b) 304 cm² c) 154 cm² d) 550 cm²
26	The dimensions of the floor of a room are 15 m and 20 m. How many square tiles each of length 20 cm are required to furnish the floor? a) 2,400 b) 7,500 c) 5,250 d) 5,200
27	A number of matchsticks required to make a pattern of "U". a) 6 b) 5 c) 4 d) 3
28	Variable means that it

	a) can take different values b) has a fixed value c) can take only three values d) can take only 2 values
29	In algebra, letters may stand for a)known quantities b)fixed numbers c)unknown quantities d) none of these
30	Number of matchsticks required to make a pattern of "T" a) 2 b) 5 c) 3 d) 4
31	Number of matchsticks required to make a pattern of "V" a) 2 b) 4 c) 3 d) 5
32	If x takes the value 2, then the value of x + 10 is a) 20 b) 12 c) 8 d) 5
33	What will be the cost of 7 articles if the cost of 120 articles is ₹ 6480? a) ₹ 453 b) ₹ 456 c) ₹ 654 d) ₹ 378
34	Ravi and Rani started a business and invested money in the ratio 2 : 3. After one year the total profit was ₹ 40,000. What is the share of Rani in profit? a) ₹ 15000 b) ₹ 16000 c) ₹ 24000 d) ₹ 14000
35	What must be added to the numbers 8, 14, 28 and 42 so that they are in proportion? a) 9 b) 7 c) 8 d) 3
36	In a box, the ratio of red marbles to blue marbles is 7:4. Which of the following could be the total number of marbles in the box? a) 19 b) 18 c) 21 d) 22
37	Divide ₹ 180 in the ratio of 3 : 5 : 7. a) ₹ 24, ₹ 36 and ₹ 120 b) ₹ 46, ₹ 58 and ₹ 76 c) ₹ 66, ₹ 78 and ₹ 36 d) ₹ 36, ₹ 60 and ₹ 84
38	Five years ago, the sum of father and son's age was 40 years. Now, the ratio of their age is 4 : 1. What is the present age of father? a) 40 years b) 55years c) 45years d) 50 years
39	If x : y :: a : z then which one of the following is correct? a) $a < xy$ b) $a > xy$ c) $a = \dfrac{y}{xz}$ d) $a = \dfrac{xz}{y}$
40	Which of the following is the third term of x : y :: a : b? a) a b) b c) x d) y
41	A bar magnet is immersed in a heap of iron filing and pulled out. The amount of iron filling clinging to the a) Magnet will be same all along its length. b) North pole is much more than the south pole. c) North pole is much less than the south pole. d) North pole is almost equal to the south pole.
42	Magnets become weak if they are not stored properly. Which of the following cautions is wrong in order to keep magnets safe? a) Magnets should be kept away from all the electronic devices.

	b) Magnets should not be dropped from a height. c) Both Magnets should not be dropped from a height and Magnets should be kept away from all the electronic devices. d) A bar magnet should be kept in pair with similar poles on the same side.
43	A freely-suspended bar magnet rest in: (a) north-south direction (b) east-west direction (c) north-east direction (d) any direction by chance
44	The two ends of the magnet are called (a) poles (b) strength (c) north (d) south
45	Which pole of freely suspended magnet settles in north direction? a)North pole b) South polec)Either north or south d)Neither north nor south
46	A toy car has bar magnet attached on the top. Car can move only when a) Another magnet with same pole is brought near it b) Another magnet with opposite pole is brought near it c) Another car without magnet is brought near it d) A iron rod is brought near it
47	You can find out whether a given bar is a magnet a) By bringing a piece of iron near it b) If it attracts another magnet c) If it repels another magnet d) Both if it repels another magnet and By bringing a piece of iron near it.
48	Which of the following pairs of magnets does not obey the properties of magnet? a) I and III only b) II and III only c) II and IV only d) I and IV only
49	The substance that do not get attracted by a magnet are called a) Magnetic b) Non - magnetic c) Paramagnetic d) Semi - magnetic
50	In ancient times rocks containing magnets are called_____ a) Magnet b) Magnetite c) Iron d) freeze
51	The north pole of the earth's magnet is near the geographical ____. a) West b) East c) North d) South
52	When a magnet is placed on the plastic plate with pins spread on it, then which of the following statement is true? a) Both Maximum number of pins stick all around the magnet uniformly and Maximum number of pins stick at the middle of the magnet. b) Maximum number of pins stick all around the magnet uniformly. c) Maximum number of pins stick at the ends of the magnet. d) Maximum number of pins stick at the middle of the magnet.
53	A magnet does not lose its property if it is _____.

	a) Heated b) Hammered c) Dropped from a height d) Wetted with water
54	Magnets attract
	a) wood b) plastic c) paper (d) iron
55	South pole of a magnet attracts the
	a) North pole b) Middle of the magnet c) South pole d) All of these
56	Which of the following statements are correct?
	i. A bar magnet is a natural magnet.
	ii. Poles of a magnet cannot be isolated.
	iii. Like poles attract each other, unlike poles repel each other.
	iv. Middle part of a magnet has high magnetic strength.
	a) (i), (ii), (iii) and (iv) b) (ii) only c) (iii) and (iv) only d) (ii) and (iii) only
57	The poles in a magnet are
	a) Three b) Two c) One d) Four
58	_____is a device used by pilot and sailor to know the direction.
	a) Thermometer b) Hydrometer c) Magnetic compass d) Barometer
59	Heating and dropping a magnet may
	a) Demagnetize it b) All of these
	c) Break it into two equal parts d) Increase magnetic power
60	Like poles _____
	a) Repel b) Merge c) Dissolve d) Attract
61	Which two gases makes the 99% of air?
	a) Oxygen and helium b) Nitrogen and oxygen
	c) Oxygen and carbon dioxide d) Nitrogen and carbon dioxide
62	In soil air is present
	a)Inside the particlesb)Above the soilc)In between particlesd)Below the soil
63	Which device can be used to remove air in the tin can?
	a) Vacuum pump b) Audio player c) Refrigerator d) JMG
64	Which of the following statements is incorrect?
	a) All living things require air to breathe.
	b) We can feel air but we cannot see it.
	c) Moving air makes it possible to fly a kite.
	d) Air is present everywhere but not in soil.
65	When dry soil is added to water, bubbles emerge due to
	a) Presence of air in it b) All of these
	c) Presence of microorganisms d) Pebbles in it
66	Wind does not help in the movement of which of the following?
	a) Firki b) Weathercock c) Ceiling fan d) Sailing yacht
67	The percentage of carbon dioxide in the air is _____.
	a) 2 - 4 % b) 20 - 40 % c) 0.04 % d) 0.02 - 0.04 %
68	The components of air which are harmful to living beings are

	a) nitrogen and carbon dioxide b) dust and water vapour c) dust and smoke d) smoke and water vapour.
69	Mountaineers carry oxygen cylinder because there is a) Low pressure of carbon dioxide b) Less air on higher altitude. c) High pressure of oxygen at higher altituded) Impure air in higher altitude
70	Air is a a) Solution b) Suspension c) Mixture d) Compound
71	In which of the following process carbon dioxide is not released? a) Combustion b) Respiration c) Photosynthesis d) Fermentation
72	Air is a mixture of a) Carbon dioxide and oxygen b) Many gases c) Oxygen and nitrogen d) Hydrogen and hydrogen
73	When water is boiled, tiny air bubbles comes out that shows the a) Presence of air in water b) Presence of oxygen in water c) Presence of soil in water d) Presence of microbes in water
74	Empty bottle is full of a) Invisible microbes b) Air c) Dust particles d) Moisture
75	The nose and mouth of traffic policeis covered with a) Mask b) Nets c) Handkerchief d) Towel
76	Which of the following gas is found in largest quantity in air? a) Nitrogen b) Oxygen c) Argon d) Carbon dioxide
77	During photosynthesis, green leaves absorbs a) Oxygen b) Carbon dioxide gas c) Carbon monoxide d) Sulpher dioxide
78	Which of the following do not carry oxygen cylinders with them? a) Aeroplane passengers b) Mountaineers c) Astronaut d) Sea - divers
79	Breathing through mouth may harm us because a) Air is not get filtered b) Nose remove the carbon dioxide c) Mouth is larger in size d) Air contain more carbon dioxide
80	Which gas is produced on burning of fossil fuels a) Carbon dioxide b) Sulphur dioxide c) Nitrogen d) Oxygen
81	The Rampurva bull part of a Mauryan pillar found in Rampurwa, Bihar, and has now been placed in: a)History Museum b) Rashtrapati Bhavan c)National Museum d)Victoria Memorial museum
82	Where did Ashoka send his messengers to spread ideas about the dhamma a) Bolivia b) Syria c) Sweden d) Botswana
83	From where we have got our national anthem a) Pillar at Sopara b) Pillar at Kalsi c) Pillar at Sarnath d) Pillar at Kalinga
84	Father of Ashoka: a) Chanakya b) Megasthenes c) Chandragupta d) Bindusara

85	When did Ashoka ascend the throne a) 327 B.C b) 237 B.C c) 273 B.C d) 372 B.C
86	Which part of the Mauryan Empire was important for blanket a) South - west b) South - east c) North - east d) North - west
87	Who was the only king in the history of the world who gave up conquest after winning a war? a) Bindusara b) Ashoka c) Chandragupta d) Bimbisara
88	Why Dhamma Mahamatta were appointed a) Moving from place to place teaching people b) Moving from place to place collecting taxes from people c) Moving from place to place learning their language d) Moving from place to place teaching rich people
89	The duty of Dhamma Mahamatta was to: a) punish the people who violated rules b) award the people who are gentle c) collect the taxes d) teach people about the dhamma
90	Which one of the following place is not one where the Ashokan inscription found? a) Kalinga b) Maski c) Sarnath d) All of these
91	_____means channels to supply water. a) Amphorae b) Aqueduct c) Arretine Ware d) Amphitheatres
92	Mathura was also a centre where some extremely. a) Gold metal was found b) Rice was cultivated c) Large Fauns was found here d) The fine sculpture was produced
93	Shrenis were associations of a) Herders b) Craftspersons c) Farmers d) Rulers
94	The gathering or assembly of literary persons (like poets and writers) was called_____ a) Samman b) Satyam c) Sagar d) Sangam
95	Which was a coastal settlement where ships unloaded goods from distant lands? a) Manickam b) Mudhalilar c) Arikamedu d) Thengaithittu
96	Independent farmers were known as _____. a) Shrenis b) Grama bhojaka c) Rich Farmers d) Grihapatis
97	Mathura was a religious centre. Which religion(s) was/were worshipped in Mathura? a) Islam b) Buddhism c) Christians d) Hindu
98	Mathura was an important a) Port b) Forested area c) Religious centre d) Village
99	What was the second capital of the Kushanas? a) Delhi b) Arikemedu c) Sanchi d) Mathura

100	Augustus found Rome a city of brick and made it into a city of_____. a) Grass b) Stones c) Metal d) Marble
101	Kumaradevi was the mother of _____. a) Samundragupta b) Ramagupta c) Indragupta d) Chandragupta
102	Banabhatta was in the court of: a) Chandragupta b) Samudragupta c) Ashoka d) Harshavardhana
103	Sabha was an assembly functioned through subcommittees which look after: a) Kings revenue system b) Agricultural operations c) Kings treasure d) Craftsperson
104	Prashasti means: a) In place of b) In praise of c) To pull of d) To put on
105	Which of the following is not the evidence/sources of the history of the Gupta dynasty? a) Inscriptions b) Travellers account c) Vinaya Patika d) Coins
106	Harishena composed poem in Sanskrit for: a) Chandragupta b) Harshagupta c) Ramagupta d) Samudragupta
107	_____ collected revenue from the land and used this to maintain soldiers and horses, and provide equipment for warfare. a)Samantas b)Maha-harijan c)Kumar - amatya d) Maha - danda - nayaka
108	Though Harshavardhan was not the eldest son of his father yet he became the king of Thanesar. a) He was liked by the people b) He defeated his father became the king c) After the death of his father, he renounced the kingdom. d) Because both his father and elder brother died
109	A poem in Sanskrit, composed by Samudragupta court poet, Harishena. a) nearly 1700 years ago b) nearly1500 years ago c) nearly 1600 years ago d) nearly1800 years ago
110	_____was a famous astronomer in the court of Chandragupta - II. a) Chanakya b) Aryabhata c) Harshavardhan d) Banabhatta
111	The annual budget of a municipality is prepared by a) Tehsildar b) Officer c) Chief executive d) Major executive
112	Why was Gangabai love respected a) For behaving rudely b) For helping the poor c) For her being active citizen d) For being lazy citizen
113	____ is the highest officer of education department in the district a) Medical b) Tehsildar c) District inspector of school d) Police
114	Who takes the complicated decisions that affect the entire city a)group of councilors b)group of lawyers c)group of doctors d)group of ministers

115	The big city like Delhi is divided into several
	a) District b) Wards c) Sections d) Segments
116	The elected head of the Municipal Corporation is known as Mayor or
	a) Mahajan b) Mahapur c) Corporator d) Commissioner
117	Which among the following is not the work of ward councillor?
	a) They spend money as per the budget. b) They take decisions.
	c) They get the work implemented. d) They impose taxes
118	There are three urban local self government
	a) Nagar Panchayat, Municipality and Municipal corporation
	b) Nagar Sabha, Municipality and Municipal company
	c) Nagar Panchayat, Municipality and Municipal company
	d) Nagar district , Municipality and Municipal corporation
119	_____ looks after the health department in the district
	a) Chief medical officer b) Inspector c) Doctor d) Medical president
120	Surat is in
	a) Rajasthan b) Madhya Pradesh c) Gujarat d) Maharashtra

Answer Key

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