



**For Office
Use Only**

Class:	VIII
Time:	02:15 Hrs.
M.M:	60

Student's Name:-_____ Father's Name:-_____

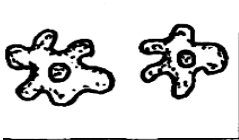
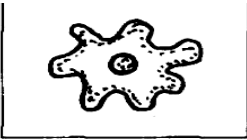
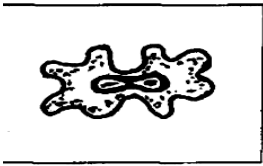
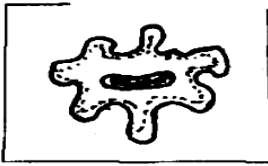
Studying in Class:- _____ Appearing for class:- _____ Board:- _____

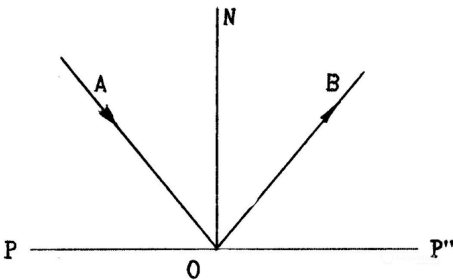
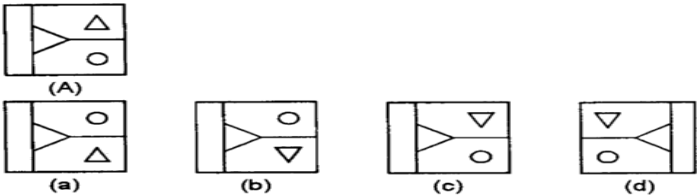
Present School Name:-_____ **Category:-**_____

Maths (15)	Science (25)	MAT (10)	English (07)	Hindi (03)	Total (60)	Remark

	Maths (15)	Marks
1.	Choose the correct answer: A lift is at the 5th floor. It goes down 8 floors. Which floor is it on now? (a) -3 (b) 3 (c) 13 (d) -13	1
2.	Choose the correct answer: Two complementary angles differ by 20° . The smaller angle is (a) 35° (b) 45° (c) 30° (d) 25°	1
3.	Solve: The temperature in Shimla was -3°C in the morning. By noon it rose by 7°C , but in the evening it dropped by 5°C . What was the temperature in the evening?	1
	Case Study: Meena borrowed ₹ 4000 from a bank for 3 years at 10% simple interest per annum. Her brother deposited ₹6000 in a bank for 2 years at 12% simple interest per annum.	
4.	How much interest did Meena pay to the bank? (a) ₹800 (b) ₹1000 (c) ₹1200 (d) ₹1400	1
5.	How much interest did Meena's brother earn ? (a) ₹ 1440 (b) ₹1200 (c) ₹1500 (d) ₹1600	1
6.	Who had to pay / receive more interest, Meena or her brother, By how much?	1
	Fill in the blanks:	
7.	$5.2 \text{ m}^2 = \underline{\hspace{2cm}} \text{ cm}^2$.	1
8.	The reciprocal of $-\frac{7}{5}$ is _____.	1

	Choose the correct options:	
9.	Multiply $\frac{7}{9} \times \frac{3}{14}$ (a) $\frac{1}{6}$ (b) $\frac{7}{18}$ (c) $\frac{1}{9}$ (d) $\frac{3}{4}$	1
10.	If two sides of a triangle are 6 cm and 8 cm, the third side can not be (a) 10 cm (b) 12 cm (c) 14 cm (d) 5 cm	1
	Solve the following:	
11.	The three angles of a triangle are in the ratio 2:3:4 . Find the measure of each angle.	1
12.	Find the solution of the equation: $3x - 5 = 13$	1
13.	Mr. Sidhana saves 28% of his income. If he saves ₹ 840 per month, find his monthly income	1
14.	A book costs Rs. 512.35. Find the cost of 24 such books ?	1
15.	Find the area of the triangle whose base is 12 cm and corresponding height is 7 cm.	1
	Science (25)	
	Choose the correct answer: A. Ravi's mother was cooking in the kitchen. She asked Ravi to test some common substances at home using litmus paper and turmeric indicator. He tested lemon juice, baking soda solution, soap solution, vinegar, and sugar solution. His observations were: *Lemon juice and vinegar turned blue litmus red. *Baking soda and soap solution turned red litmus blue. *Sugar solution did not change the colour of litmus.	
16.	Which of the following are acidic in nature? (a) Lemon juice and vinegar (b) Baking soda and soap solution (c) Sugar solution (d) Soap solution and vinegar	1
17.	Which substances are basic in nature? (a) Lemon juice and vinegar (b) Baking soda and soap solution (c) Sugar solution and vinegar (d) Lemon juice and sugar solution	1
18.	Which of the following is neutral? (a) Lemon juice (b) Soap solution (c) Vinegar (d) Sugar solution	1
	Answer in short	
19.	What role does chlorophyll play in the process of photosynthesis?	1
20.	Differentiate between autotrophs and heterotrophs.	1
	Case Study 1: When you hold one end of a metal spoon and put the other end in hot water, after some time the handle becomes hot.	
21.	Which mode of heat transfer is taking place in this case? (a) Conduction (b) Convection (c) Radiation (d) Reflection	1

22.	Why does the handle of the spoon become hot after some time? (a) Metals are good conductors of heat. (b) Metals are poor conductors of heat (c) Water transfers heat by radiation (d) Spoon absorbs light	1
23.	If the spoon were made of wood instead of metal, what would happen? (a) The handle would still get hot quickly. (b) The handle would never get hot (c) The water would stop heating (d) None of these	1
	Case Study 2: Ravi left his iron bicycle outside in the open during the rainy season. After a few days, he observed reddish-brown flakes on the surface of the cycle parts. His teacher told him this was due to a chemical change called rusting.	
24.	What is the name of the reddish-brown substance formed on iron?	1
25.	Which gas present in air is necessary for rusting?	1
	Answer the following:	
26.	A straight-line motion of an object its known as _____.	1
27.	Name the process of releasing energy from food.	1
28.	The respiratory organ in fish is _____	1
29.	Identify the blood vessel that carries blood from heart to lungs.	1
30.	The SI unit of speed is _____.	1
31.	Define: Electric circuit.	1
32.	Carrying of seeds to far off places is known as pollination, true or false? _____.	1
33.	Name the organ that pumps blood in humans.	1
	Multiple choice questions:	
34.	In which part of lungs does exchange of gases take place in humans? (a) Trachea (b) alveoli (c) Bronchioles (d) Bronchi	1
35.	The red colour of blood is due to: (a) Platelets (b) Plasma (c) Haemoglobin (d) White blood cells	1
36.	The safety device that prevents damage to appliances due to high current is: (a) Switch (b) Fuse (c) Battery (d) Ammeter	1
37.	<p>Arrange the figures of steps in binary fission of amoeba in correct order</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center;">  <p>P</p> </div> <div style="text-align: center;">  <p>Q</p> </div> <div style="text-align: center;">  <p>R</p> </div> <div style="text-align: center;">  <p>S</p> </div> </div> <p>(a) Q, S, R, P (b) P, Q, R, S (c) Q, R, S, P (d) Q, P, R, S</p>	1

38.	The small air holes on the body surface of insects are called. (a) tracheoles (b) spiracles (c) trachea (d) gills	1
	Observe the diagram and complete the following paragraph. (Q. 39 and Q. 40) 	
39.	An imaginary line drawn at right angle to the mirror at the point where the incident ray meets the surface is called the _____	1
40.	The angle between the normal and the incident ray is called the _____.	1
	Mental Aptitude Test (10)	
41.	How many days are there in x weeks x days? (a) $7x^2$ (b) $8x$ (c) $14x$ (d) 7	1
42.	All the letters in the word GOVERNMENT are rearranged as they appear in the English alphabets, the position of how many letters will remain unchanged after the rearrangement? (a) None (b) Two (c) One (d) Three	1
43.	If Choose the pair in which the words are differently related from the rest. (a) Shirt : Dress (b) Boy : Girl (c) Mango: Fruit (d) Table: Furniture	1
44.	Choose the correct alternative from the given ones that will complete the series. 2, 5, 11, 23, ? (a) 46 (b) 52 (c) 47 (d) 57	1
45.	Choose one out of these four figures which shows the correct water-image of the figure (A). 	1
46.	Rahul told Anand, "Yesterday I defeated the only brother of the daughter of my grandmother." Whom did Rahul defeat? (a) Son (b) Father (c) Brother (d) Father-in-law	1
47.	Direction: In the following question, arrange the words in a meaningful logical order and then select the appropriate sequence from the alternative provided below each of the groups of words 1. Andhra Pradesh 2. Universe 3. Tirupati 4. World 5. India (a) 1,5,3,2,4 (b) 2,1,3,5,4 (c) 3,1,5,4,2 (d) 5,4,2,1,3	1

48.	If P denotes 'multiplied' by', T denotes 'subtracted' from', M denotes 'add to' and B denotes 'divided by', then $28 \text{ B } 7 \text{ P } 8 \text{ T } 6 \text{ M } 4 = ?$ (a) $-3/2$ (b) 30 (c) 32 (d) 34	1
49.	Choose the correct alternative from the given ones that will complete the series. T, W, Z, C, F, ? (a) F (b) G (c) H (d) I	1
50.	Which letter is midway between 22nd letter from the left and 21 st letter from the right ? (a) M (b) N (c) P (d) O	1
English (07)		
Read the passage carefully: The rise of artificial intelligence (AI) has transformed industries such as healthcare, education, and finance. AI can analyze large amounts of data quickly and make predictions. However, some experts worry about job losses and ethical issues. Despite these concerns, the development of AI continues to grow rapidly.		
51.	How has AI transformed industries?	1
52.	What are some concerns related to AI?	1
53.	Identify the tense used in this sentence: "AI can analyze large amounts of data quickly."	1
54.	Find a synonym for "fast" from the passage.	1
55.	<p>"As the lights went out, I heard a knock at the door..."</p> <p>Continue the story from the given prompt. Use imagination to build suspense, action, or mystery.</p> <p style="text-align: center;">OR</p> <p>Write a letter to the Principal of your school requesting the introduction of a hobby club (like music, dance, art or photography) to promote creativity among students.</p>	3
Hindi (03)		
56.	नीचे दिए गए किसी एक विषय पर 100–120 शब्दों में अनुच्छेद लिखिए। 1. मेरा प्रिय खेल 2. स्वच्छता का महत्व 3. मोबाइल फोन के फायदे और नुकसान	3
