 <b>MACRO</b> VISION ACADEMY BURHANPUR	<b>Sample Paper-I (2026-27)</b>		<b>For Office Use Only</b>
	<b>Class:</b>	VII	
	<b>Time:</b>	02:15 Hrs.	
	<b>M.M:</b>	60	

**Personal Information**

**Student's Name:-** \_\_\_\_\_ **Father's Name:-** \_\_\_\_\_

**City:-** \_\_\_\_\_ **Mobile No:-** \_\_\_\_\_ **Exam Date:-**     /     /2026

**Studying in Class:-** \_\_\_\_\_ **Appearing for class:-** \_\_\_\_\_ **Board:-** \_\_\_\_\_

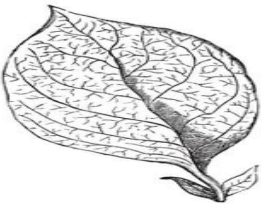

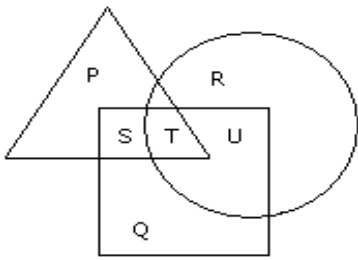
**Present School Name:-** \_\_\_\_\_ **Category:-** \_\_\_\_\_

<b>Maths</b> <b>(15)</b>	<b>Science</b> <b>(25)</b>	<b>MAT</b> <b>(10)</b>	<b>English</b> <b>(07)</b>	<b>Hindi</b> <b>(03)</b>	<b>Total</b> <b>(60)</b>	<b>Remark</b>

	<b>Maths (15)</b>	<b>Marks</b>
<b>1.</b>	Choose the correct answer: Geeta's monthly income is the smallest 5-digit number and Radha's monthly income is the largest 4-digit number. Find the difference between their monthly incomes. (a) 1                                      (b) 10                                      (c) 100                                      (d) 1000	<b>1</b>
<b>2.</b>	Choose the correct answer: Find the missing digit so that the number is divisible by 9: 32 _____ 4 (a) 6                                      (b) 5                                      (c) 9                                      (d) none of these	<b>1</b>
<b>3.</b>	Solve: A recipe requires $\frac{2}{3}$ cup of sugar. If you want to make 4 times the recipe, how much sugar will you need?	<b>1</b>
	<b>Case Study:</b> The Garden Project: Riya's school decided to make a small rectangular garden in front of the school building. The length of the garden is 15 m and the breadth is 10 m. The school plans to put a fence around the garden, grow grass inside the garden, leave a square flower bed of side 3 m inside the garden.	
<b>4.</b>	What will be the perimeter of the garden? (a) 25 m                                      (b) 50 m                                      (c) 150 m                                      (d) 250 m	<b>1</b>
<b>5.</b>	Find the area of the flower bed. (a) 25 sq. m                                      (b) 3 sq. m                                      (c) 5 sq. m                                      (d) 9 sq. m	<b>1</b>

6.	If fencing costs ₹50 per metre, find the total cost of fencing.	1
	<b>Fill in the blanks:</b>	
7.	An angle greater than 90° but less than 180° is called an _____ angle.	1
8.	The predecessor of -7 is _____.	1
	<b>Choose the correct options:</b>	
9.	The HCF of 24 and 36 is: (a) 6 (b) 8 (c) 12 (d) 18	1
10.	The marks obtained by 20 students in a test are: 5, 7, 8, 6, 7, 5, 9, 6, 8, 7, 10, 6, 5, 8, 9, 7, 6, 10, 5, 8. Make a frequency table using tally marks.	1
	<b>Solve the following:</b>	
11.	A factory produced 12,500 toys in January and 11,875 toys in February. How many more toys were produced in January than in February?	1
12.	Find the prime factorization of 420.	1
13.	Add: $\frac{2}{3} + \frac{5}{4}$	1
14.	A bicycle wheel makes four and a half turns. Find the number of right angles through which it turns.	1
15.	Find the lowest form of $\frac{56}{72}$ .	1
	<b>Science (25)</b>	
	Choose the correct answer: Riya accidentally mixed <b>sand, salt, and water</b> in a beaker. She wanted to separate all three substances.	
16.	Which method should Riya use first to remove sand from the mixture? (a) Evaporation (b) Filtration (c) Sedimentation and decantation (d) Handpicking	1
17.	After removing sand, which method can she use to get salt back from salt solution? (a) Filtration. (b) Evaporation (c) Sieving (d) Magnetic separation	1
18.	Why is filtration not useful for separating dissolved salt from water? (a) Salt particles are too big to pass through filter paper. (b) Salt particles are too small and pass through filter paper (c) Water is heavier than salt (d) None of these	1
	Choose the correct answer: Riya's mother was not feeling well. She had a headache and used a clinical thermometer to check her temperature. The reading showed 101°F, while the normal body temperature is 98.6 °F (37°C). Since it was above normal, Riya understood that her mother had fever and immediately told her father. They went to the doctor, who gave medicines and asked her to take rest.	

19.	Which liquid is commonly used in thermometers for measuring temperature?	1
20.	When the temperature of a person is above 98.6°F, what condition is it called?	1
	<b>Case Study 1:</b> In a village health camp, the doctor examined three patients: * <b>Patient A</b> had bleeding gums and wounds that were not healing quickly. * <b>Patient B</b> had soft and weak bones, and his legs appeared bent. * <b>Patient C</b> complained of constant tiredness and looked very pale.	
21.	The symptoms of Patient A are due to deficiency of: (a) Vitamin A.            (b) Vitamin C            (c) Vitamin D            (d) Iron	1
22.	Patient B is most likely suffering from: (a) Night blindness    (b) Beri-beri            (c) Rickets            (d) Anaemia	1
23.	The pale look and tiredness of Patient C are caused by lack of: (a) Calcium            (b) Iron            (c) Vitamin A            (d) Iodine	1
	<b>Case Study 2:</b> Meena's school installed solar panels on the roof to produce electricity. Her teacher explained that the Sun gives unlimited energy, which is a renewable resource. Unlike coal and petroleum, using solar energy does not emit harmful gases in to the atmosphere. She also mentioned other renewable sources like wind and hydropower that help reduce dependence on fossil fuels and protect the environment.	
24.	Which renewable energy source uses moving air to generate electricity.	1
25.	Using solar energy helps reduce the emission of which gas responsible for global warming?	1
	<b>Answer the following:</b>	
26.	The process by which water changes into vapour on heating is called _____.	1
27.	What do you call a homogeneous mixture formed when one substance is completely mixed with another?	1
28.	At which point of a magnet is the attraction the strongest?	1
29.	The natural satellite of the Earth is the _____.	1
30.	The instrument used to measure temperature is called a _____.	1
31.	Name the SI unit of length.	1
32.	Plants with green, tender, non-woody stems are called _____.	1
33.	What is the special feature that helps an organism survive in its habitat?	1
	<b>Multiple choice questions:</b>	
34.	Which pole of a magnet attracts the north pole of another magnet? (a) North pole            (b) South pole            (c) Both poles            (d) None of these	1
35.	Which of the following is a non-standard unit of measurement? (a) Metre            (b) Cubit            (c) Centimetre            (d) Kilometre	1
36.	The process in which water vapour cools down to form water droplets is called: (a) Evaporation.    (b) Condensation.    (c) Melting.            (d) Freezing	1
37.	Materials through which we can see clearly are called: (a) Opaque.            (b) Translucent.    (c) Transparent.    (d) Solid	1

<b>38.</b>	Which adaptation helps cactus plants survive in deserts? (a) Broad leaves (b) Spines instead of leaves (c) Shallow roots. (d) Soft stem	<b>1</b>
	<b>Observe the diagrams and answer the questions that follow (Q. 39 and Q. 40)</b>	
<b>39.</b>	 <p>Identify the type of venation in the given leaf diagram.</p>	<b>1</b>
<b>40.</b>	 <p>Observe the diagram and name the larval stage of butterfly.</p>	<b>1</b>
	<b>Mental Aptitude Test (10)</b>	
<b>41.</b>	Complete the series: B, C, E, H, L, Q, ? (a) R (b) W (c) T (d) U	<b>1</b>
<b>42.</b>	Complete the series: 2, 6, 14, 26, 42, 62, ? (a) 86 (b) 72 (c) 82 (d) 92	<b>1</b>
<b>43.</b>	Kusuma is the wife of Ravi. Govind and Prabhu are brothers. Govind is the brother of Ravi. Prabhu is Kusuma's. (a) Uncle (b) Cousin (c) Brother-in-law (d) Brother	<b>1</b>
<b>44.</b>	<p>In the figure given below, square represents doctors, triangle represents ladies and circle represents surgeon. By which letter the ladies who doctor and surgeon both are represented?</p>  <p>(a) U (b) T (c) S (d) P</p>	<b>1</b>
<b>45.</b>	If 'AIR' is called 'WATER'; 'WATER' is called 'GREEN'; 'GREEN' is called 'DUST'; 'DUST' is called 'YELLOW' and 'YELLOW' is called 'CLOUD', which of the following do the fish live in? (a) WATER (b) GREEN (c) DUST (d) AIR	<b>1</b>
<b>46.</b>	Arranged the following words in the dictionary order and choose the word that comes in last in dictionary. (a) Sound (b) Socks (c) Shock (d) Snooker	<b>1</b>

47.	The second day of a month is Sunday, what day will be the last day of the same month which has 31 days? (a) Sunday (b) Saturday (c) Monday (d) Tuesday	1
48.	Five boys took part in a race. Prabir finished before Mohit but behind Mihir. Suresh finished before Sanchit but behind Mohit. Who won the race? (a) Prabir (b) Mihir (c) Mohit (d) Suresh	1
49.	In the following questions, select the word from the given alternative which cannot be formed using the letters of the given word. INTELLIGENCE (a) CANCEL (b) NEGLECT (c) GENTLE (d) INCITE	1
50.	Select odd one out. (a) Square (b) Rectangle (c) Triangle (d) Cuboid	1
<b>English (07)</b>		
	<b>Read the passage carefully:</b> Air pollution is a major environmental issue in urban areas. It is caused mainly by vehicle emissions, industrial waste, and the burning of fossil fuels. Prolonged exposure to polluted air can lead to respiratory problems, especially in children and the elderly. Governments around the world are introducing stricter emission norms and promoting the use of electric vehicles to reduce pollution.	
51.	What are the main causes of air pollution?	1
52.	How are governments trying to reduce air pollution?	1
53.	Change the following into <b>passive voice</b> : "Governments are introducing stricter emission norms."	1
54.	Find a word from the passage that means: "Extended or continued for a long time."	1
55.	Write a formal letter to your school principal requesting permission for a class trip to a near by museum or historical site. <b>OR</b> Write an essay (150–200 words) giving your opinion on whether mobile phones should be allowed in schools.	3
<b>Hindi (03)</b>		
56.	नीचे दिए गए किसी एक विषय पर 100–120 शब्दों में अनुच्छेद लिखिए। 1. स्वच्छता का महत्व 2. समय का सदुपयोग 3. पर्यावरण संरक्षण	3

\*\*\*\*\*