 MACRO VISION ACADEMY BURHANPUR	SAMPLE PAPER-II (2025-26)		For Office Use Only
	Class:	IX	
	Time:	03:00 Hrs.	
	M.M:	100	

Personal Information

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

City:- _____ **Mobile No:-** _____ **Exam Date:-** / /2025

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

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

Section-A			Section-B					Total (100)
Maths (15)	English (05)	Hindi (05)	Maths (25)	Science (25)	SST (10)	English (10)	Hindi (05)	

Section-A Mathematics (15)		
Q.No.	Questions	Answers
	Instruction:- Q. 1 – Q. 15 carry 1 mark each.	
1.	If $2x + 8 = 3(x - 2) + 3x$, then $x =$	$\frac{7}{2}$ OR 3.5
2.	Find the product of 203 and 74.	15022
3.	Ritesh saves Rs. 2500 from his salary. If this is 5% of his salary. What is his actual salary?	Rs. 50000
4.	If the price of 3 kg potato is Rs. 60. Find the value of 12 kg potato.	Rs. 240
5.	Evaluate: $20 + [18 + 8\{2 - 4(5 - 6)\} \div 8]$	44
6.	The cost of 25 notebooks is Rs. 500. Find the cost of 3 notebooks.	Rs. 60
7.	A pack of 20 soaps is Rs. 400. Find the cost of 5 soaps.	Rs. 100
8.	Find the LCM and HCF of 24 & 75.	LCM = 600 HCF = 3
9.	Find the prime factors of 2416.	$2 \times 2 \times 2 \times 2 \times 151$
10.	Find the product of 2.23 and 4.3	9.589

11.	Evaluate: $48 \div [4 \times 6] - 8 - 2 =$	-8
12.	18% of 1000 is	180
13.	Evaluate: $\frac{3}{5} - \frac{4}{7}$.	$\frac{1}{35}$
14.	Convert the fraction $\frac{2014}{7}$ into decimal form.	287.7142
15.	Evaluate: $\frac{1}{3} - \frac{2}{7} + \frac{3}{6}$	$\frac{23}{42}$

English (05)


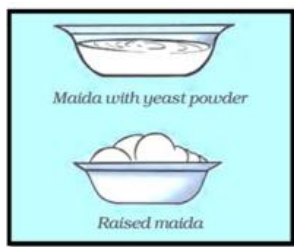
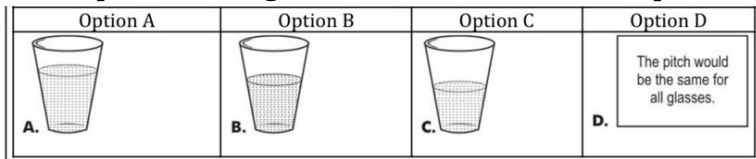
16.	Write a descriptive paragraph on "A Memorable Day in My Life" in 100 - 120 words. <div style="text-align: right;">(05 Marks)</div>
Ans.	

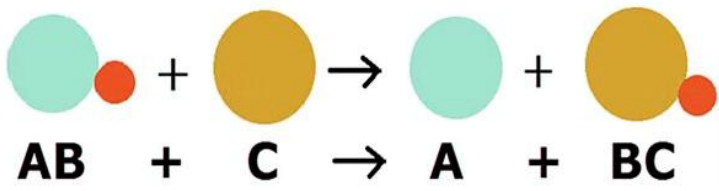
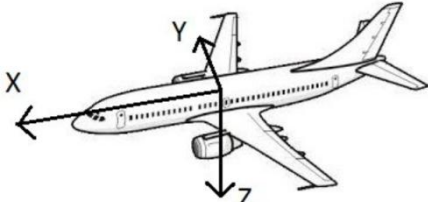
Hindi (05)

17.	निम्नलिखित विषयों में से एक विषय पर लगभग 100 शब्दों में रचनात्मक लेख लिखिए। (क) पुस्तकों का महत्व (ख) समय का सदुपयोग	(05 Marks)
Ans.		

Section-B		
Mathematics (25)		
	Instruction:- Q. 18 – Q. 37 carry 1 mark each.	
18.	Find the product of $(2x + 1)$ and $(4x + 2)$.	$8x^2 + 8x + 2$
19.	The area of the rectangle is 110 sq. cm. If the length of the rectangle is 20 cm, then its breadth will be (in cm):	$\frac{11}{2} \text{ cm} = 5.5 \text{ cm}$
20.	In a triangle ABC, the measure of the two angles A and B are in the ratio 3:2. If $\angle C = 50^\circ$, then the measure of the $\angle A$ is ____.	78°
21.	Find the factors of $4x^2 - 16x + 7$	$(2x - 7)(2x - 1)$
22.	What should be divided by $-\frac{11}{3}$ to get $\frac{3}{7}$?	$-\frac{77}{9}$
23.	What should be divided in 256, so that the resulting number becomes perfect cube ?	4
24.	Cost of 17 pens is Rs. 187. Find the cost of 3 pens.	Rs. 33
25.	Selling price of a cooler is Rs. 7000 and cost price Rs. 5000. Find the profit in percent .	40 %
26.	In a parallelogram ABCD, if $AB = 7 \text{ cm}$ and $CD = (2x + 2) \text{ cm}$, find the value of x .	2.5 cm
27.	The area of a triangle whose base and height are of $\frac{9x}{2} \text{ cm}$ and $\frac{16}{3x} \text{ cm}$ respectively is ____.	12 cm^2
28.	The value of $(2^2)^{-2} \cdot (4)^2 + (2)^0$ is ____.	2
29.	6 pipes are required to fill a tank in 1 hour 20 minutes. How long will it take if only five pipes of the same type are used ?	96 minutes OR 1 hour 36 minutes
30.	Statement 1 (S₁): Whole numbers are the integer numbers from zero to infinite. Statement 2 (S₂): All irrationals are real numbers. (a) Only S ₁ is correct. (b) Only S ₂ is correct. (c) Both S ₁ and S ₂ are correct. (d) Both S ₁ and S ₂ are incorrect.	(c) Both S ₁ and S ₂ are correct.
31.	Statement 1 (S₁): A circle is a closed curve. Statement 2 (S₂): Area of circle with radius r is given by $\frac{1}{2} \pi r^2$. (a) Only S ₁ is correct. (b) Only S ₂ is correct. (c) Both S ₁ and S ₂ are correct. (d) Both S ₁ and S ₂ are incorrect.	(a) Only S ₁ is correct.

32.	Find the area of circle whose diameter is 14 cm. $\left(use \pi = \frac{22}{7} \right)$	154 cm ²
Instruction:- Q. 33 – Q. 37 carry 2 marks each.		
33.	A person's salary has increased from Rs. 7,000 to Rs. 12,000. What is the percentage increase in his salary?	$71\frac{3}{7}\%$ OR 71.42%
34.	If $a + b = 23$ and $ab = 12$, then $a^2 + b^2 =$ _____.	505
35.	A plastic box 1.5 m long, 1.25 m wide and 65 cm deep is to be made. It is opened at the top. Ignoring the thickness of the plastic sheet, find the area of the sheet required for making the box.	5.45 m ²
36.	Two numbers are in the ratio 7:4. If they differ by 30, then the numbers are _____.	70 and 40
37.	If $\left(\frac{7}{5}\right)^{2x+4} = \left(\frac{49}{25}\right)^{2x-3}$, then the value of x is _____.	5
Science (25)		
Instruction:- Q. 38 – Q. 62 carry 1 mark each.		
38.	Who discovered penicillin?	Alexander Fleming
39.	Rakesh was preparing to produce crops and was making the list of agricultural practices: he included the following in the list- * irrigation, * removal of weeds, * storage of grains, * preparation of soil, * sowing, * adding manure and fertilizers. Which agricultural practice is missing from the above list?	Harvesting
40.	Which zone of the flame is used by Goldsmith to melt silver and gold.	Outer zone OR Non luminous zone
41.	A pendulum oscillates 20 times in 4 seconds. Find it's time period.	0.20 sec
42.	Which force always opposes the motion.	Friction force
Fill in the blank.		
43.	The finest Indian teak is found in _____ national Park	Satpura
44.	Female _____ mosquito acts as carrier of dengue virus	Aedes

45.	Sodium metal is stored in _____ due to its vigorous nature.	Kerosene
46.	the process of depositing a layer of any desired metal on other metal material using electricity is called	Electroplating
47.	The transparent membrane that keeps the eye moist is _____	Conjunctiva
Write T for True & F for False. (Q.48-Q.49)		
48.	Plastic do not react with water and air.	True
49.	Magnesium can displace copper from its Salt solution.	True
Give one word for:		
50.	A moving ship send a sonar wave into the water through a SONAR device if the speed of sound in water is approximately 1480 m/s and the sound wave return to the ship in 10 seconds what is the depth of water body	14800m
51.	Where is Larynx located in human being	Neck
52.	Rajeev is a farmer. He has ploughed the field but needs to level it. Which tool can he use to level the field	Leveller
53.	If you pass current through copper sulphate solution, copper will deposited on the plate connected to _____ terminals of the battery.	Negative
54.	Complete the reaction: Mg(Magnesium) + O ₂ (oxygen) _____	Mgo (Magnesium oxide)
Solve the following questions.		
55.	Name the phenomena shown in the figure 	Lateral inversion
56.	Observe the diagram and name the process involved 	Fermentation
57.	Each of the four classes below contain different quantity of water a musical instrument is made by tapping the by tapping the top of each class with a metal spoon which glass would have the lowest pitch 	A

58.	Which chemical reaction is depicted in following chemical equation  $AB + C \rightarrow A + BC$	Displacement reaction
59.	Here is the picture of an aircraft with the forces working on it. Identify the force that corresponds to the Z. 	Gravitation force
<p>Case Study: Based on the given information, answer the following questions.</p> <p>The discovery of atmospheric pressure gives a fact that air has weight. The weight of the atmosphere presses down on the earth's surface and creates pressure on it. The pressure at any point exerted by the weight of the air above is called atmospheric pressure.</p> <p>The atmospheric pressure on the earth's surface at sea level is one hundred thousand pascals i.e., 100 KPa. The atmospheric pressure at a place decrease with an increase in altitude. The atmospheric pressure at a place is the force exerted by the weight of the air column above that place. As we go up the length of the air column above us decreases. This means that its weight and the atmospheric pressure are smaller at higher places than at sea level. If the pressure of the atmosphere is removed suddenly, our blood vessels and tissues will rupture due to the pressure of the blood and other fluids inside. Thus, the spacemen also wear special pressurised suits as in space there is no air and hence, no air pressure.</p>		
60.	What causes the liquid to move up in the straw?	Atmosphere pressure
61.	Name the instrument used to measure atmospheric pressure.	Barometer
62.	Where will be the atmospheric pressure greater, at ground level or at the top of high mountain.	At ground level
SST (10)		
Instruction:- Q. 63 – Q. 72 carry 1 mark each.		
63.	Who is known as the Father of the Indian Constitution?	Dr. Bhimrao Ambedkar
64.	Name any one organ of state as per the separation of power done in Indian constitution.	Legislative executive Judiciary

65.	Which is known as the 3rd tier of the Government?	Local Self Govt/ Panchayati Raj
66.	How many members constituted the Constituent Assembly?	299
67.	What are the two Houses of Parliament?	Loksabha & Rajya Sabha
68.	What does EVM mean?	Electronic Voting Machine
69.	Which meridian has been selected as the Standard Meridian of India?	82°30' E
70.	The tropic of _____ passes through the central part of India.	Cancer
71.	The extent of the equatorial region is _____.	10°N & 10°S
72.	The movement of the earth around the sun is known as _____.	Revolution

English (10)

Instruction:- Q. 73 – Q. 82 carry 1 mark each.

Read the passage carefully:

India has always been an utmost inspiration for the world at large for her fabulous wealth, both material and economic prosperity as well as her spiritual excellence. It brought here both traders and invaders along with preachers and seekers in search of truth and salvation. All of them came through land routes by undertaking long and hazardous journeys which put a lot of stress and strain on their physique and nerves. Thus the troops of Alexander mutinied and refused to march beyond Beas river because of their weariness and fatigue in fighting and home sickness. They had therefore to be perforce dispatched back. Many invading tribes like Kushans, Huns and Sakas in the ancient era and the Turks and Mughals during the medieval age, however, chose to make this land their own home and absorbed themselves in the stream of her life. They attempted their best to bring more and more lustre to her glory and enriched her culture, heritage and tradition.

Based on your understanding of the passage, choose the appropriate option:

73.	What forced Alexander to move back to his country? (a) lack of fighting spirit in his people (b) because of their weariness and fatigue in fighting and home sickness in his troops (c) the resistance of the natives (d) the revolt of his army men	(b) because of their weariness and fatigue in fighting and home sickness in his troops
74.	What good did Mughals bring to this country? (a) They increased its wealth (b) They reached its glory (c) They made India their homeland (d) They absorbed themselves into the stream of her life	(d) They absorbed themselves into the stream of her life

75.	What in India attracted traders invaders and preachers? (a) Its fabulous wealth and glory (b) The knowledge of truth and salvation (c) Its material and spiritual wealth (d) Its material and economic prosperity	(c) Its material and spiritual wealth
76.	What exerted the foreigners who came to India? (a) Fighting with natives (b) Tiresome and risky journeys to India (c) India's land roads (d) India's immense riches	(b) tiresome and risky journeys to India
77.	The passage speaks volubly off _____ (a) India as a home for foreigners (b) India's fabulous wealth (c) invaders who attacked India (d) India's past glory	(d) India's past glory
Fill in the blanks in the paragraph given below with the help of options that follow. Most Indian schools (78) _____ to ensure their student's adequate play time and fitness regime. Two out of every five school going children (79) _____ have a healthy Body Mass Index (BMI) and 50% of children (80) _____ adequate lower body strength. Some schools (81) _____ found to offer three or more physical education periods per week. The students (82) _____ exhausted during summers.		
78.	(a) failed (b) fail (c) failing (d) have failed	(b) fail
79.	(a) does (b) Does not (c) don't (d) do	(c) don't
80.	(a) lack (b) lacked (c) have lacked (d) had lacked	(a) lack
81.	(a) was (b) are (c) is (d) have	(b) are
82.	(a) get (b) got (c) will get (d) had got	(a) get
Hindi (05)		
Instruction:- Q. 83 – Q. 87 carry 1 mark each.		
निम्नलिखित वाक्यों को शुद्ध रूप में लिखिए।		
83.	आज भी वह वैसा का वैसा है।	आज भी वह वैसे-का-वैसा है।
84.	मैंने हंस पड़ा।	मैं हंस पड़ा।
निम्नलिखित शब्द संबंधी अशुद्धियों को सुधार कर लिखिए।		
85.	बोहोत	बहुत
86.	अतिथी	अतिथि
87.	अगामी	आगामी
