 MACRO VISION ACADEMY BURHANPUR	SAMPLE PAPER-I (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.	Find the LCM and HCF of 80 & 25.	LCM – 400 HCF - 5
2.	Find the prime factors of 3125.	5 ⁵
3.	Evaluate: $\frac{2}{5} + \frac{6}{7} - \frac{3}{4}$	71/140
4.	If the price of 5 kg potato is ₹ 150. Find the cost of 24 kg potato.	Rs.720
5.	Evaluate: $22 - [8 + 7\{7 - 3(7 - 2)\} \div 8]$	21
6.	25% of 800 is	200
7.	A pack of 120 soaps is ₹ 540. Find the cost of 12 soaps.	Rs.54
8.	If $x - 9 = 2(2x + 3) + x$, then $x =$	-15/4
9.	Find: 187×85	15895
10.	Find: 3.28×3.2	10.496

11.	Evaluate: $2 \times [48 \div 12] - 8 - 2 =$	-2
12.	The cost of 10 notebooks is ₹ 300. Find the cost of 5 notebooks.	Rs.150
13.	Evaluate: $\frac{1}{4} - \frac{8}{3}$	-29/12
14.	Convert the given fraction $\frac{1552}{5}$ into decimal form.	310.4
15.	Meeta saves ₹ 4000 from her salary. If this is 10% of her salary. What is her actual salary?	Rs.40,000

English (05)

16.	Write a descriptive paragraph on “The importance of Teacher in student's life” in 100 - 120 words.	(05 Marks)
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Ans.		
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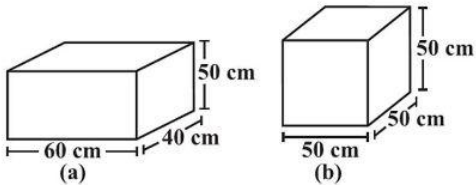
Hindi (05)

17.	निम्नलिखित विषयों में से एक विषय पर लगभग 100 शब्दों में रचनात्मक लेख लिखिए। (क) जैसे ही मैंने नदी के शीतल जल को छुआ। (ख) मेरी जीप के सामने अचानक शेर आ गया।	(05 Marks)
Ans.		

Section-B**Mathematics (25)****Instruction:- Q. 18 – Q. 37 carry 1 mark each.**

18.	The product of two rational numbers is $\frac{-13}{10}$. If one of them is $\frac{26}{35}$, then the other rational number is _____.	$-\frac{7}{4}$
19.	The perpendicular distance of the point P (7, 4) from the y -axis is _____.	7 units
20.	What should be added in $-\frac{11}{3}$ to get $\frac{11}{3}$?	$\frac{22}{3}$
21.	Value of $\sqrt[3]{\frac{-512}{729}}$ is _____.	$-\frac{8}{9}$
22.	Suppose 2 kg of sugar contains 9×10^6 crystals. How many sugar crystal are there in 5 kg sugar?	22.5×10^6 crystals OR $\frac{45}{2} \times 10^6$ crystals OR 2.25×10^7 crystals
23.	Factors of $6x^2 + 18x$ are _____ and _____.	$6x, (x + 3)$

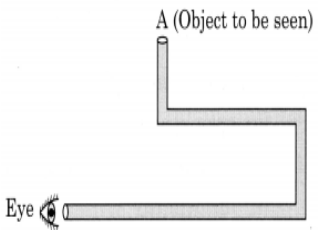
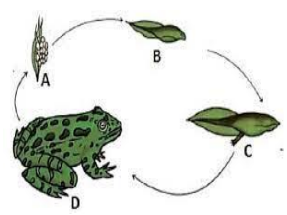
24.	If the area of a square is 441 m^2 , then the length of its side is _____.	21 m
25.	The height of the cuboid whose base area is 180 cm^2 and volume is 900 cm^3 is _____.	5 cm
26.	If the cost of 10 soap bars is Rs.96, then the cost of 18 such soap bars is _____.	Rs. 172.80
27.	Simplify : $(4x^2 + 2x) \div (2x + 1)$.	$2x$
28.	The smallest square number which is exactly divisible by 8, 24, 30 and 45 is _____.	1,29,600
29.	If $\frac{3x + 2}{4x + 11} = \frac{4}{7}$, then $x =$ _____.	6
30.	Statement 1 (S₁): The cube of -11 is -1331. Statement 2 (S₂): The cube of a negative number is negative. (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): All sides of square are equal. Statement 2 (S₂): Perimeter of square of side 'a' is a^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.	In a quadrilateral ABCD, the measure of the three angles A, B and C of the quadrilateral are 111° , 72° and 89° , respectively. Then the measure of the fourth angle is _____.	88°
Instruction:- Q. 33 – Q. 37 carry 2 marks each.		
33.	Mr. Narayana saves 20% of his salary if he receive Rs.14500 per month as his salary, then monthly expenditure is _____.	₹ 11600
34.	If $p + q = 12$ and $pq = 22$, then $p^2 + q^2 =$ _____.	100

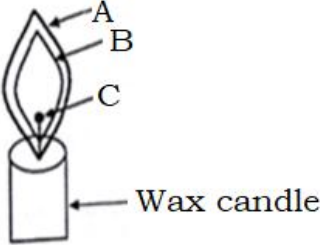
35.	<p>There are two cuboidal boxes as shown in the adjoining figures. Which box requires the lesser amount of material to make?</p> 	(a) requires lesser amount of material to make.
36.	Two numbers are in the ratio 5:3. If they differ by 18, then the numbers are _____.	45, 27
37.	If $\left(\frac{8}{3}\right)^{2x+1} = \left(\frac{8}{3}\right)^{x+2}$, then the value of x is _____.	$x = 1$

Science (25)

Instruction:- Q. 38 – Q. 62 carry 1 mark each.

38.	Name the term used for the plants of particular a region.	Flora
39.	Which petroleum product is used for road surfacing?	Bitumen
40.	Name the nitrogen fixing bacteria present in root nodules of leguminous plants.	Rhizobium
41.	A simple pendulum is released from one of its extreme position. X', after 0.6 seconds it reaches to another extreme position Y'. Find the time taken by the pendulum to make the 12 oscillation.	14.4
42.	Name an instrument which works by producing multiple reflection from plane mirror and forms beautiful patterns.	Kaleidoscope
Fill in the blank.		
43.	Most liquids that conduct, electricity are solution of _____ and _____	Acid Bases
44.	A body weighs 100 N is placed on the top of the wooden table. The area of contact is 2 m ² . The pressure exerted by the body on the wooden table will be _____.	50 Pascal
45.	_____ are the chemicals used to control weeds.	Weedicide
46.	Four R principal or reduce, reuse, recycle and _____	Rethink/Recover

47.	The conversion of fertile land into deserts is:	Desertification						
Write T for True & F for False. (Q.48-Q.49)								
48.	The crop that does not need, standing water is paddy	False						
49.	Petroleum is an exhaustible natural resource	True						
Give one word for:								
50.	Name the phenomenon of splitting white light into its constituent colours?	Dispersion of light						
51.	What is the path through which an electric current flows called?	Electric Circuit						
52.	Who discovered pasteurisation?	Louis Pasteur						
53.	Leaves and fruits fall to the ground when they get detached from a plant. Which forces is acting on it	Gravitational force						
54.	Which nutrient deficiency is responsible for night blindness?	Vitamin A						
Solve the following questions.								
55.	How many mirrors should he use to see the object? 	Three						
56.	Name the larval stage of an organism in the process shown. 	Tadpole						
57.	Which of the following options describe the both the statements given below: I. Statement- Place where animal are protected from any disturbance to them and to their habitat. II. Statement- Place reserved for wildlife where they can freely, use the habitat and natural resources.	Option 'c': Wildlife Sanctuary						
<table border="1"> <thead> <tr> <th>Option 'a'</th> <th>Option 'b'</th> <th>Option 'c'</th> </tr> </thead> <tbody> <tr> <td>National Park</td> <td>Biosphere Reserve</td> <td>Wildlife Sanctuary</td> </tr> </tbody> </table>		Option 'a'	Option 'b'	Option 'c'	National Park	Biosphere Reserve	Wildlife Sanctuary	
Option 'a'	Option 'b'	Option 'c'						
National Park	Biosphere Reserve	Wildlife Sanctuary						

58.	Which zone of the candle shows complete combustion 	A																
59.	Which out of the given fuel will produce maximum energy. <table border="1" data-bbox="272 555 906 1010"> <thead> <tr> <th>Fuel</th> <th>Calorific Value (kJ/kg)</th> </tr> </thead> <tbody> <tr> <td>Cow dung cake</td> <td>6000-8000</td> </tr> <tr> <td>Wood</td> <td>17000-22000</td> </tr> <tr> <td>Coal</td> <td>25000-33000</td> </tr> <tr> <td>Petrol</td> <td>45000</td> </tr> <tr> <td>Kerosene</td> <td>45000</td> </tr> <tr> <td>Diesel</td> <td>45000</td> </tr> <tr> <td>Methane</td> <td>50000</td> </tr> </tbody> </table>	Fuel	Calorific Value (kJ/kg)	Cow dung cake	6000-8000	Wood	17000-22000	Coal	25000-33000	Petrol	45000	Kerosene	45000	Diesel	45000	Methane	50000	Methane
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<p>Case Study: Based on the given information, answer the following questions.</p> <p>Anuj lived in Bombay and he loves to play football. But as of now his half yearly exams were going on so his mother didn't allow him to go out and play. She promised Anuj that as soon as his exams are over he can go and play. Post exams he went out to play football with his friends in the park. Suddenly a insect bit him under his left elbow. He came home and everything was normal that time. The next day his health started getting affected. His Parents rushed him to the doctor. The doctor prescribed some medicines and some medical tests. The next day parents went to the doctor with Anuj's medical report. In that report the platelet counts were very low. The doctor diagnosed him with Dengue fever. Anuj was hospitalised for some time and followed a strict diet to recover as early as possible. And eventually some days passed and he recovered.</p>																		
60.	Name the device used to see micro-organisms.	Microscope																
61.	What is the term used for disease causing microbes.	Pathogen																
62.	Name the fungus from which first antibiotic prepared.	Penicillium																
SST (10)																		
Instruction:- Q. 63 – Q. 72 carry 1 mark each.																		
63.	When was the Indian Constitution adopted or passed?	26 Nov 1949																
64.	The Indian Constitution describes India as a _____.	Secular																

65.	The term of a member of Rajya Sabha or the Upper House of Parliament is _____.	6 years
66.	Rajya Sabha has _____ members.	250
67.	What is the other name of Lok Sabha?	House of people/lower house
68.	Name the island group of India lying in the Arabian Sea.	Lakshadweep
69.	Which longitude represents the Standard Meridian of India?	82°30'E
70.	How many states does India consist of?	29
71.	India is located in which continent?	Asia
72.	What is the latitude which divides the country India into two equal parts?	Tropic of cancer

English (10)

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

Read the passage carefully:

Alfred Hitchcock was a man with vivid imagination, strong creative skills and a passion for life. With his unique style and God-gifted wit he produced and directed some of the most thrilling films that had the audience almost swooning with fright and falling off their seats with laughter. Alfred Hitchcock was greatly influenced by American films and magazines. At the age of 20, he took up a job at the office of Paramount Studio, London. Using imagination, talent and dedication, he made each of his endeavours a success. He took great pleasure in working in the studio and often worked all seven days a week. He moved to the USA in 1939 and got his American citizenship in 1955. Here, he produced many more films and hosted a weekly television show. No matter from where his ideas came, whether a magazine article, a mystery novel or incident, his films had the typical “Hitchcock touch” where the agony of suspense was relieved by interludes of laughter! Hitchcock was knighted in 1980.

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

73.	<p>What qualities helped Hitchcock achieve success?</p> <p>(a) His imagination, creativity and passion for life</p> <p>(b) His hard work, his imagination and his sense of humour</p> <p>(c) His creativity, his passion for life and his sense of humour</p> <p>(d) His imagination, his talent and his dedication</p>	<p>(a) His imagination, creativity and passion for life</p>
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74.	What is Alfred Hitchcock famous as? (a) Writer (b) Film Producer (c) Television actor (d) Film Actor	(b) Film Producer
75.	What did the typical Hitchcock-style of film-making include? (a) Fear and passion (b) Fear and humour (c) Suspense and humour (d) Fear and suspense	(c) Suspense and humour
76.	What did Alfred Hitchcock do in United States? (a) He produced films and read magazines (b) He produced films and television serials (c) He read magazines and saw films (d) He produced films and hosted a television show	(d) He produced films and hosted a television show
77.	What does the word 'swooning' mean? (a) Fainting (b) Falling (c) Hiding (d) Becoming conscious	(a) Fainting
<p>Fill in the blanks in the paragraph given below with the help of options that follow. The students (78) _____ talking as Miss Sarkar (79) _____ the classroom. Then in a loud voice she said 'Good Morning' and (80) _____ quickly around the room. All the children (81) _____ her intently to find out what sort of a person she (82) _____ "I suppose you want to know my name," she said. But before she could tell them, someone in the class yelled out, "You are Miss Sarkar."</p>		
78.	(a) are (b) was (c) were (d) been	(c) were
79.	(a) enters (b) entered (c) entering (d) will enter	(b) entered
80.	(a) observe (b) watching (c) watch (d) watched	(d) watched
81.	(a) glance (b) glancing (c) glanced (d) will glance	(c) glanced
82.	(a) is (b) was (c) been (d) being	(b) was
Hindi (05)		
Instruction:- Q. 83 – Q. 87 carry 1 mark each.		
निम्नलिखित वाक्यों को शुद्ध रूप में लिखिए।		
83.	बसंत ऋतु में फूलों की बाहर आती है।	
84.	उसने धीरे स्वर में कहा।	
निम्नलिखित शब्द संबंधी अशुद्धियों को सुधार कर लिखिए।		
85.	बहोत	
86.	संसारिक	
87.	पिताम्बर	
