 <b>MACRO</b> VISION ACADEMY BURHANPUR	<b>Entrance Paper (2024-25)</b>		<b>For Office Use Only</b>
	<b>Class:</b>	XI COMMERCE (SAMPLE PAPER-I)	
	<b>Time:</b>	02:30 Hrs.	
	<b>M.M:</b>	75	

### Personal Information

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

**City:-** \_\_\_\_\_ **Mobile No:-** \_\_\_\_\_ **Exam Date:-** / / 2024

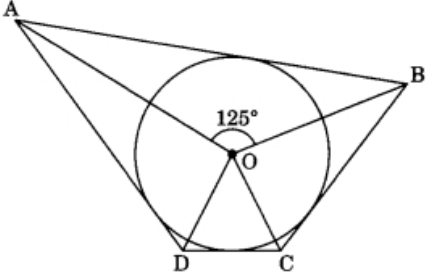
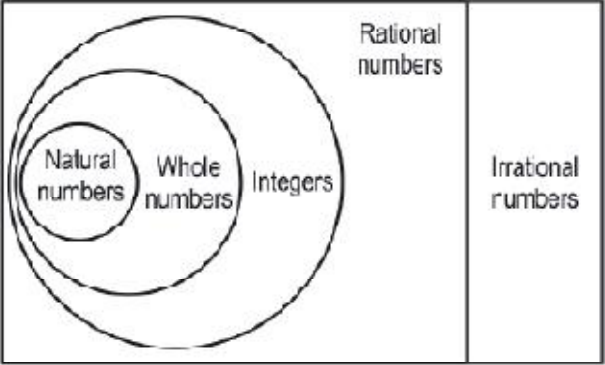
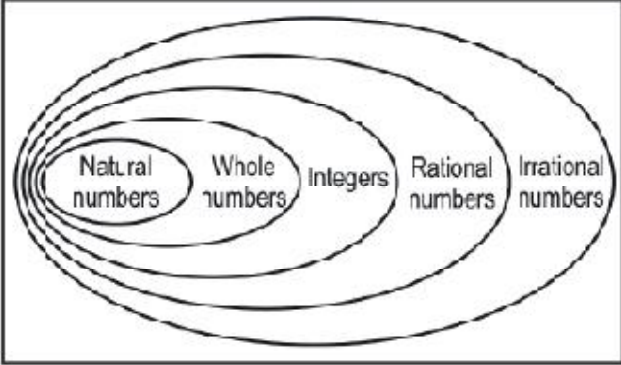
**Studying in Class:-** \_\_\_\_\_ **Appearing for class:-** \_\_\_\_\_ **Board:-** \_\_\_\_\_

#### GENERAL INSTRUCTIONS:

- All questions are compulsory.
- Section A contains 15 questions (from 1-15) of Mathematics.
- Section B contains 30 questions (from 16-45) of So. Science.
- Section C contains 20 questions (from 46-65) of English.
- Section D contains 10 questions (from 66-75) of VMAT.

Mathematics (15)	So. Science (30)	English (20)	VMAT (10)	OBTAINED MARKS (75)

Section-A Mathematics		
Q.N	Questions	Answers
1.	The nature of roots of the quadratic equation $5x^2 - 3x + 1 = 0$ is _____	Root does not exist  <b>OR</b> no real roots
2.	If $x^3 + 1$ is divided by $x^2 + 5$ , then the possible degree of quotient is _____	1
3.	The length of kite string flying at 90 m above the ground with the elevation of $60^\circ$ is	$60\sqrt{3}m$
4.	If radii of two concentric circles are 4 cm and 5 cm, then the length of chord of one circle which is tangent to the other circle is _____.	6 cm
5.	The sum of the first 15 multiples of 8 is _____	960
6.	If $x \tan 45^\circ \sin 30^\circ = \cos 30^\circ \tan 30^\circ$ , then $x$ is equal to _____.	1

7.	A card is selected at random from a well shuffled deck of 52 cards. The probability of its being a red face card is _____	$\frac{3}{26}$
8.	<p>In fig., if <math>\angle AOB = 125^\circ</math>, then <math>\angle COD</math> is equal to</p> 	$55^\circ$
9.	The radii of two cylinders are in the ratio 2:3 and their heights are in the ratio 5:3. The ratio of their volumes is _____	$\frac{20}{27}$
10.	The perimeter of a triangle with vertices A(3, 0), B(0, 0) and C(0, 4) is:	12 Units
11.	<p>Two representation of real numbers are shown below.</p> <p style="text-align: center;"><b>Real numbers</b></p>  <p style="text-align: center;"><b>Representation 1</b></p> <p style="text-align: center;"><b>Real numbers</b></p>  <p style="text-align: center;"><b>Representation 2</b></p> <p>Which one is correct?</p>	Representation 1

12.	<p><b>Assertion (A):</b> Two identical solid cubes of side 'a' are joined end to end. Then the total surface area of the resulting cuboid is <math>12a^2</math></p> <p><b>Reason (R):</b> The total surface area of a cube having side 'a' is <math>6a^2</math></p> <p>(a) Both assertion and reason are correct and reason is correct explanation of the assertion.</p> <p>(b) Both assertion and reason are correct, but the reason is not the correct explanation of the assertion.</p> <p>(c) Assertion is correct, but reason is incorrect.</p> <p>(d) Assertion is incorrect, but reason is correct.</p>	(d) Assertion is incorrect, but reason is correct.
<p><b>Case study (Q13 – Q15)</b></p> <p>Teachers and students of class X of a school had gone to Nandan Kannan for study tour. After visiting different places of Nandan Kannan, lastly, they visited bird's sanctuary and deer park. Rohan is a clever boy and keen observer. He put the question to his friends "How many birds are there and how many deer are there (at particular time) in Nandan Kannan?" Rahul's friend, Nishith gave the correct answer as follows: 'Nishith answered that total animals have 1000 eyes and 1400 legs.'</p>		
13.	If x and y be the number of birds and deer respectively, what is the equation of total number of eyes?	$x + y = 500$
14.	How many birds are there in the Zoo?	300
15.	Total number of animals (birds and deer) is:	500
<p><b>Section-B</b></p> <p><b>Social Science</b></p>		
16.	Write full form of BMI?	Body mass index
17.	For comparison between countries, total income is not such a useful measure. State whether true or false.	True
18.	Infant Mortality Rate (or IMR) indicates the number of children that die before the age of _____ as a proportion of 100 live children born in that particular	0 – 1 year
19.	Transportation comes under which sector?	Tertiary
20.	In India, _____ issues currency notes on behalf of the central government.	RBI
21.	Banks in India these days hold about _____ per cent of their deposits as cash.	15%
22.	In which court a consumer should file a case if he/she is exploited in the market?	Consumer court
23.	Hallmark is the certification maintained for standardization of which type of products?	Gold

24.	What is the full form of 'WTO'?	World Trade Centre
25.	The MNC is not only selling its finished products globally but, more importantly, the goods and services are produced globally. (True/False)	True
26.	$\frac{\text{Total income of the Country}}{\text{Total population the Country}} =$	Per Capita Income / Average Income
27.	SEZ stands for.....	Special Economic Zone
28.	Give some examples of Indian MNCs	Tata, Reliance
29.	Cooperatives and Banks are the examples of which kind of source of credit?	Formal Credit
30.	<p>What is the main source of income of a bank?</p> <p>(a) Bank charges that the depositors pay for ; keeping their money safe is the main ; source of the bank's income.</p> <p>(b) The difference between what is charged from the borrows and paid to the depositors is the main source of bank's income.</p> <p>(c) Banks earn huge amounts of money by investing the money of the depositors in various company shares.</p> <p>(d) The Government of India gives huge amounts of money to the banks to help their smooth functioning</p>	(b) The difference between what is charged from the borrows and paid to the depositors is the main source of bank's income.
31.	<p><b>Assertion (A):</b> Local businesses may setup joint production process with MNC's and can earn higher profits.</p> <p><b>Reason (R):</b> MNC's can provide money for additional investments, like buying new machines for faster production.</p> <p>(a) Both assertion and reason are correct and reason is correct explanation of the assertion.</p> <p>(b) Both assertion and reason are correct, but the reason is not the correct explanation of the assertion.</p> <p>(c) Assertion is correct, but reason is incorrect.</p> <p>(d) Assertion is incorrect, but reason is correct.</p>	(a) Both assertion and reason are correct and reason is correct explanation of the assertion.
32.	<p><b>Assertion (A):</b> Power sharing is good for democracy.</p> <p><b>Reason (R):</b> It helps to reduce the possibility of conflict between the social groups.</p> <p>(a) Both assertion and reason are correct and reason is correct explanation of the assertion.</p> <p>(b) Both assertion and reason are correct, but the reason is not the correct explanation of the assertion.</p> <p>(c) Assertion is correct, but reason is incorrect.</p> <p>(d) Assertion is incorrect, but reason is correct.</p>	(a) Both assertion and reason are correct and reason is correct explanation of the assertion.

33.	<p><b>Assertion (A):</b> Rohan took credit in the form of advance payment from a buyer and he delivered the goods to the buyer on time and also earned profit. The credit made Rohan better off in this situation.</p> <p><b>Reason (R):</b> Credit can never push a person into a debt trap.</p> <p>(a) Both assertion and reason are correct and reason is correct explanation of the assertion.</p> <p>(b) Both assertion and reason are correct, but the reason is not the correct explanation of the assertion.</p> <p>(c) Assertion is correct, but reason is incorrect.</p> <p>(d) Assertion is incorrect, but reason is correct.</p>	(c) Assertion is correct, but reason is incorrect.
<p><b>Case study (Q.34 – Q.36)</b></p> <p><b>Based on the given information, answer the following questions.</b></p> <p>Rajesh works in a bank as a bank manager. He goes regularly to his bank and attends his bank services from 9.00 a.m. to 6:00 p.m. He gets his salary at the end of every month. In addition to the salary, he also gets provident fund as per the rules laid down by the government. He also gets earned leaves, sick leaves and casual leaves. Apart from leaves, he receives medical and other allowances. Rajesh does not go to bank on Saturdays and Sundays. This is a paid holiday. When he joined bank, he was given an appointment letter stating all the terms and conditions of work and his job is secure. Ram is Rajesh's neighbour. He is a daily wage labourer in a nearby grocery shop. He goes to the shop at 7:00 am in the morning and works till 10:00 p.m. in the evening. He gets no other allowances apart from his wages. He is not paid for the days he does not work. He has therefore no leave or paid holidays. Nor was he given any formal appointment letter saying that he has been employed in the shop. He can be asked to leave anytime by his employer if his job is not found satisfactory. His job is not secure. Rajesh works in the organized sector whereas Ram works in an unorganized sector.</p>		
34.	What are the benefits of working in organized sector?	Regular Salary, sick leave .... etc.
35.	Who works as casual labour?	Ram
36.	Give some examples of organized sector jobs.	Ex. of Govt Jobs, etc.
<p><b>Case study (Q.37 – Q.39)</b></p> <p><b>Based on the given information, answer the following questions.</b></p> <p>Power is shared among different organs of government, such as the legislature, executive and judiciary. Let us call this horizontal distribution of power because it allows different organs of government placed at the same level to exercise different powers. Such a separation ensures that none of the organs can exercise unlimited power. Each organ checks the others. This results in a balance of power among various institutions. Last year we studied that in a democracy, even though ministers and government officials exercise power, they are responsible to the Parliament or State Assemblies. Similarly, although judges are appointed by the executive, they can check the functioning of executive or laws made by the legislatures. This arrangement is called a system of checks and balances.</p>		

37.	Power sharing between different organs of the government is being referred as-	Horizontal power sharing										
38.	Judges are appointed by the executive, they can check the functioning of executive or laws made by the legislature known as-	Check and balance										
39.	In a democracy ministers and government are responsible for _____	Legislature										
40.	In which of the following states does DMK exist as a regional political party?	Tamil Nadu										
41.	Which countries are the examples of two party system?	China										
42.	Besides Hindi, there are _____ other languages recognized as Scheduled Languages by the Constitution.	21										
43.	Democracy is not just rule by majority opinion. (True/False)	True										
44.	Choose the incorrect pair from given below:	(b)										
	<table border="1"> <thead> <tr> <th>Political Parties</th> <th>Year of Formation</th> </tr> </thead> <tbody> <tr> <td>(a) Indian National Congress</td> <td>1885</td> </tr> <tr> <td>(b) Bhartiya Janata Party</td> <td>1951</td> </tr> <tr> <td>(c) All India Trinamool Congress</td> <td>1998</td> </tr> <tr> <td>(d) Communist Party of India</td> <td>1925</td> </tr> </tbody> </table>	Political Parties	Year of Formation	(a) Indian National Congress	1885	(b) Bhartiya Janata Party	1951	(c) All India Trinamool Congress	1998	(d) Communist Party of India	1925	
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(a) Indian National Congress	1885											
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(d) Communist Party of India	1925											
45.	_____ is a violent conflict between opposing groups within a country that becomes so intense that it appears like a war.	Civil war.										

**Section-C**

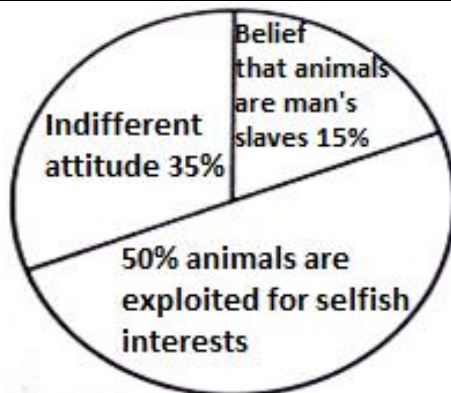
**English**

**Read the passage given below:**

1. An epidemic of obesity or overweight is affecting many countries around the world; more than 300 million people are obese or overweight. Obesity could be for a particular reason. In India, some people tend to be overweight due to their high-calorie diet and lack of physical activity. In the United States, obesity is more prevalent in low-income groups. Obesity is now well recognized as a disease in its own right. Although obesity commonly means being overweight, it is defined as an excessive amount of body weight that includes muscle, bone, fat, and water. "Obesity" specifically refers to an excessive amount of body fat.

2. A certain amount of body fat is needed to store energy, keep you warm, and absorb shock. In general, men with more than 25% body fat and women with more than 35% body fat are considered obese. Obesity tends to run in families, suggesting a genetic cause. Environmental factors include lifestyle, such as what a person eats and how active a person is. Therefore, one must choose more nutritious foods that are low in fat and become

	<p>more active.</p> <p>3. Then there are the psychological factors. Negative emotions like boredom, sadness, and anger are the main culprits. Then there's also "binge eating," that is, when people eat large amounts of food thinking it's out of their control how much they eat. Those with the most severe problem of binge eating are also likely to have more symptoms of depression and low self-esteem.</p> <p>4. Obesity is a health hazard that leads to many serious medical conditions, including type 2 diabetes, heart disease, high blood pressure, and stroke. Obesity is also linked to a higher rate of certain types of cancer. There are many ways to lose weight, but exercise is the best as it has no harmful side effects.</p>	
<b>On the basis of your understanding of the passage, attempt the following questions.</b>		
46.	<p>Women having _____ body fat are regarded as obese.</p> <p>(a) more than 35%                      (b) more than 25%</p> <p>(c) less than 30%                      (d) less than 25%</p>	(a) more than 35%
47.	<p>Obesity can be defined as a/an _____ amount of body weight.</p> <p>(a) less                                      (b) excessive</p> <p>(c) optimum                                (d) balanced</p>	(b) excessive
48.	<p>In the United States obesity is more prevalent among _____ people.</p> <p>(a) high income                          (b) homeless</p> <p>(c) low income                            (d) affluent</p>	(c) low income
49.	<p>Environmental factor refers to _____ behaviour.</p> <p>(a) indecent                                (b) decent</p> <p>(c) lifestyle                                (d) loud</p>	(c) lifestyle
50.	<p>Binge eating is when people eat _____ of food.</p> <p>(a) a meagre amount                      (b) a small portion</p> <p>(c) extra organic type                      (d) a large portion</p>	(d) a large portion
<b>Read the passage given below:</b>		
	<p>1. Man suffers from a distorted complex. He always considers animals as inferior beings only fit for exploitation. Man has been using domestic and wild animals for his selfish ends. Many animal lovers joined together to form the 'Society for Prevention of Cruelty to Animals'.</p> <p>2. The society has been working for the well-being and welfare of animals for many years. Its main aim is to change the attitude and thinking of people towards animals. It is quite sad that animals continue to be ill-treated, tortured and killed according to the whims of the people. About 15% of the people entertain the belief that animals are man's slaves. They use, misuse and torture them accordingly. About 50% of the people exploit animals for selfish ends.</p>	



3. Horses and oxen are used for transport, carrying loads and in agricultural activities. Dogs, cats and many birds are domesticated for fun, entertainment and convenience. Wild animals like elephants, tigers, lions and deer are victims of poaching and killing. Animals are forced to do acrobatic feats in circus shows. Unfortunately, about 35% of people don't think about the animals at all. They are totally indifferent to them.

4. The Government and the animal lovers must work together to bring a change in the attitude of the people. Animals should not be killed and poached for fun, furs or financial gains. They should be treated with kindness, care and sympathy. Cruelty towards animals must be legally punished.

**On the basis of your understanding of the passage, attempt the following questions.**

51.	<b>In the line "... fit for exploitation", the word 'exploitation' does not refer to:</b> (a) abuse (b) ill-treatment (c) oppression (d) utilisation	(d) utilisation
52.	For many years, 'Society for Prevention of Cruelty to Animals' has been working for: (a) destruction of animals. (b) exploitation of animals. (c) the welfare of animals. (d) All of these	(c) the welfare of animals.
53.	Animals should not be used in circus to earn one's livelihood. (True/False)	True
54.	It is very disappointing that animals are still: (a) ill-treated (b) tortured (c) killed (d) All of these	(d) All of these
55.	Based on your understanding of the passage, choose the option that lists the abuses of animals. 1. Used for transport 2. Used for carrying loads 3. Acrobatic feats in circus 4. Poaching 5. Agricultural activities 6. Domesticated for fun (a) 1 and 2 (b) 2 and 6 (c) 5 and 6 (d) 3 and 4	(d) 3 and 4



	<b>Fill in the blanks in the paragraph given below with the help of options that follow.</b> <b>(From Q. No. 56 – 60)</b> That morning I awoke (56) _____ the sound of steady drizzle which sounded (57) _____ tiny hoof-beats upon the roof. Out of the window the prospect (58) _____ quite grey and drab. And the truth was apparent (59) _____ me—the outing that my friend and I (60) _____ planned for this holiday would definitely be cancelled.				
56.	(a) at	(b) to	(c) for	(d) on	AT
57.	(a) for	(b) just	(c) as	(d) like	LIKE
58.	(a) is	(b) was	(c) has	(d) had	WAS
59.	(a) at	(b) with	(c) to	(d) for	TO
60.	(a) have	(b) had	(c) was	(d) were	HAD
61.	In the following question find out the alternative which will replace the question mark. Ornithologist : Bird :: Archaeologist : ? (a) Islands (b) Mediators (c) Archaeology (d) Aquatic				(c) Archaeology
62.	In the following question find out the alternative which will replace the question mark. Traveller : Journey :: Sailor : ? (a) Water (b) Ship (c) Voyage (d) Crew				(c) Voyage
63.	Select the most appropriate meaning of the given phrase/idiom. Dance to someone's tune: (a) Argue with others on petty matters (b) Delay in making a decision (c) Do what others want you to do (d) Be engaged in an energetic activity				(c) Do what others want you to do
64.	In the following questions, some parts of the sentence have been jumbled up. You are required to rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the option with proper sequence. Whenever I am, P : with an old friend of mine Q : in New Delhi R : to have dinner S : I always try. The correct sequence should be _____ (a) S Q P R (b) Q S R P (c) R P S Q (d) P R Q S				(b) Q S R P

65.	What is the jumbled word of "UMBD"?	DUMB
<b>Section-D</b> <b>VMAT</b>		
66.	'Sailor' is related to 'Ship' in the same way as 'Lawyer' is related to (a) Legal (b) Law (c) Court (d) Ruling	(c) Court
67.	If 'ski rps tri' stands for 'nice Sunday morning', 'teh sti rps' stands for 'every Tuesday morning' and 'ski ptr qlm' stands for 'nice market place', which word stands for 'Sunday'? (a) ski (b) rps (c) tri (d) qlm	(c) tri
68.	Heena is daughter of Ajay. Mala, Achla's sister has a son Romi and daughter Sushila. Kamla is maternal aunt of sushila and mother of Krishna. Romi is cousin of Krishna. Krishna is brother of Heena. How is Achla related to Ajay? (a) Cousin (b) Sister-in-law (c) Niece (d) Sister	(b) Sister-in-law
69.	A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P? (a) A (b) X (c) S (d) Z	(b) X
70.	If the alternate letters in the given alphabet starting from A are written in small and rest all in capital, which of the following will represent the MARVELOUS? (a) MaRvELous (b) maRvELous (c) MaRvEILoUs (d) None of these	(b) maRvELous
71.	If day after tomorrow is Saturday, What day was three days before yesterday? (a) Sunday (b) Monday (c) Tuesday (d) Friday	(a) Sunday
72.	Arrange the given words in alphabetical order and select the one that comes last. (a) Affiliated (b) Analogous (c) Address (d) Affective	(b) Analogous
73.	Find the relation in the given set of words and choose the correct alternative of question mark symbol. Hill : Mountain :: ? : Pain (a) Distress (b) Discomfort (c) Headache (d) Fear	(a) Distress
74.	If the first day of the month is Saturday, then which will be the day on the 3 <sup>rd</sup> day after 17 <sup>th</sup> ? (a) Monday (b) Tuesday (c) Thursday (d) Saturday	(c) Thursday
75.	How many such pair of letters are there in the word PARADIGM each of which has as many letters between them in the word as in the English alphabet? (a) One (b) Four (c) Two (d) None of these	(d) None of these

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