

 MACRO VISION ACADEMY	Entrance Paper (2023-24)		For Office Use Only
	Class:	XI COMMERCE (SET-A)	
	Time:	02:30 Hrs.	
	M.M:	75	

Personal Information

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

City:- _____ **Mobile No:-** _____ **Exam Date:-** / / 2023

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

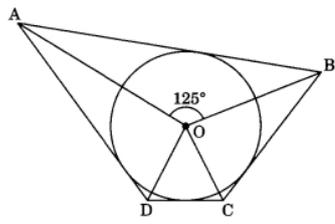
GENERAL INSTRUCTIONS:

- All questions are compulsory.
- Section A contains 15 questions (from 1-15) of Mathematics.
- Section B contains 40 questions (from 16-55) of So. Science.
- Section C contains 17 questions (from 56-72) of English.

Mathematics (15)	So. Science (40)	English (20)	OBTAINED MARKS (75)

Section-A		
Mathematics		
Q.N	Questions	Answers
1.	Find the value of k for which the system of equations $4x + 5y = 0$ $kx + 10y = 0$ has infinitely many solutions.	
2.	If $x^3 + 1$ is divided by $x^2 + 5$, then the possible degree of quotient is _____	
3.	Graphically, the pair of equations $7x - y = 5$; $21x - 3y = 10$ represents two lines which are _____	

Rough Work

4.	Asha has only Rs. 1 and Rs. 2 coins with her. If the total number of coins that she has is 50 and the amount of money with her is Rs. 75, then the number of Rs. 1 and Rs. 2 coins are, respectively _____	
5.	The sum of the first 15 multiples of 8 is _____	
6.	If $x \tan 45^\circ \sin 30^\circ = \cos 30^\circ \tan 30^\circ$, then x is equal to _____.	
7.	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 _____.	
8.	In Fig., if $\angle AOB = 125^\circ$, then $\angle COD$ is equal to 	
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 _____	
10.	A cone is craved out from a solid cylinder of same radius r cm and same height of h cm then the surface area of remaining solid will be _____	
11.	If two positive integers p and q can be expressed as $p = ab^2$ and $q = a^3b$; a, b being prime numbers, then LCM (p, q) is _____	

Rough Work

12.	A card is selected at random from a well shuffled deck of 52 cards. The probability of its being a red face card is _____	
13.	The perimeter of a triangle with vertices A(3, 0), B(0, 0) and C(0, 4) is:	
14.	The shadow of a tower, standing on a level plane, is found to be 50 m longer when sun's elevation is 30° than when it is 60° . Find the height of the tower.	
15.	If the equation $x^2 + 4x + k = 0$ has real and distinct roots, than the value of k is _____.	

Section-B

Social Science

16.	Who introduced Civil Code of 1804 in France?	
17.	Where did Mahatma Gandhi start his famous 'Salt March' on 12th March 1930?	
18.	Which country passed the 'Corn Laws' to restrict the import of corn?	
19.	The production process (carding, twisting and spinning, and rolling) is associated with the production of _____.	
20.	Where did the brutal 'Jallianwala Massacre' take place?	
21.	Write full form of BMI?	
22.	For comparison between countries, total income is not such a useful measure. State whether true or false.	
23.	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 year.	
24.	Transportation comes under which sector?	

Rough Work

25.	In India, _____ issues currency notes on behalf of the central government.	
26.	Grameen Bank of Bangladesh was started by _____ to meet the credit needs of the poor at reasonable rates.	
27.	Banks in India these days hold about _____ per cent of their deposits as cash.	
28.	Removing barriers or restrictions set by the government is known as:	
29.	In which court a consumer should file a case if he/she is exploited in the market?	
30.	Hallmark is the certification maintained for standardization of which type of products?	
31.	Mention any two agro-based industries.	
32.	Which region of India has the maximum concentration of iron and steel industries?	
33.	Which state is the largest bauxite producing in India?	
34.	Who started Bhoodan movement?	
35.	Name any one Coffee producing state in India.	
36.	In which state is the Corbett National Park located?	
37.	Which state of India has the maximum area under forests?	
38.	When the National Forest Policy was formed in India?	
39.	What is the other name of black soils?	
40.	Hirakud Dam is constructed on the river:	
41.	In which of the following states does Shiv Sena exist as a regional political party?	
42.	Which country has one party system?	
43.	"A woman or a man who believes in equal rights and opportunities for men and women" is called _____.	
44.	Which leaders worked for the elimination of caste system in India?	
45.	_____ stands much superior to any other form of Government in promoting dignity and freedom of the individual.	

46.	Democracy is not just rule by majority opinion. (True/False)	
47.	Who has the power to make laws on the 'residuary' subjects?	
48.	Besides Hindi, there are _____ other languages recognised as Scheduled Languages by the Constitution.	
49.	_____ is a violent conflict between opposing groups within a country that becomes so intense that it appears like a war.	
50.	In the capital city Brussels, 80 percent people speak French while 20 percent are _____ speaking.	
51.	$\frac{\text{Total income of the Country}}{\text{Total population the Country}} =$	
52.	Literacy rate measures the proportion of literate population in which age group?	
53.	Name the report published by UNDP which compares countries based on the educational levels of the people, their health status and per capita income.	
54.	The MNC is not only selling its finished products globally but, more importantly, the goods and services are produced globally. (True/False)	
55.	What is the full form of 'WTO'?	

Section-C

English

Read the passage given below:

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.

	<p>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 more active.</p> <p>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>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>
On the basis of your understanding of the passage, attempt the following questions.	
56.	<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>
57.	<p>Obesity can be defined as a/an _____ amount of body weight.</p> <p>(a) less (b) excess</p> <p>(c) optimum (d) balanced</p>
58.	<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>
59.	<p>Environmental factor refers to _____ behaviour.</p> <p>(a) indecent (b) decent</p> <p>(c) lifestyle (d) loud</p>
60.	<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>

Read the passage given below:

1. Roshni Bairwa remembers running all the way from her home in Tonk's Mahmoodnagar Dhani village to the room where the 'balsamooch' (children's group) met. "My grandparents are getting me married, you have to do something," the then 12-year-old told the 20 or so children sitting there.

2. The children, all aged between eight and 16, trooped up to Roshni's house and urged her grandparents to stop the impending wedding. Others, including village elders and teachers, joined in. The wedding was stopped. She had discovered a way out of the quagmire with the help of a local NGO and the village children.

3. When she was in class XII, the pressure to get married returned. This time her uncle found a match for her. When she resisted, she was taunted and beaten. People would point to her as the girl who brought shame to her family and asked their children not to speak to her. "I was 16 years old and alone in the world. I walked to school with my eyes fixed to the ground. I would think sometimes, what have I done that is so terrible for everyone to hate me so much?

I would cry myself to sleep," recalls Roshni, who lost her father when she was two and had been abandoned by her mother shortly after. But even in those dark moments, Roshni didn't give up, moving out of the village to Peeplu tehsil in Rajasthan where she rented a room and attended college.

4. With education and independence came a sense of confidence. "I kept in touch with the children in the village. Every time there was child marriage, they would call me and I would go to stop it. I realised I had already been thrown out of the village, the worst had already happened, what else could the villagers do? So I went and fought with everyone who was getting their child married," she says with a laugh. So far she has stopped over a dozen marriages.

5. Even without the support of the law, young girls have been crusading against the practice. Earlier this month, 19-year-old Sushila Bishnoi from Barmer succeeded in getting her marriage annulled, submitting photographs, and congratulatory messages from her husband's Facebook account to the court. The court accepted these as evidence that the union took place when both the bride and groom were 12 years old and declared the marriage invalid.

6. Seema Bairwal (name changed) was 15 when she was married to a man a few years older. Later when she started attending 'balsamooch' meetings with NGO Shiv Shiksha Samiti and Save the Children, it dawned on her that she had a choice. "I learnt that my life is mine. I have the power to say no to marriage."

On the basis of your understanding of the passage, attempt the following questions.		
61.	The brides mentioned in the passage are rebels against (a) the dowry system (b) child marriage (c) purdah system (d) arranged manages	
62.	When Roshni was twelve years old, she succeeded in her mission with the help of _____ (a) 20 children aged between eight and sixteen (b) her grandparents (c) 20 children, her grandparents, village elders and teachers (d) children and an NGO	
63.	When she was sixteen the people of the village _____ (a) taunted her and beat her up (b) boycotted her (c) were angry with her (d) were sympathetic and understanding	
64.	Roshni moved out of the village in order to (a) seek a job (b) escape the villagers (c) attend college (d) marry a boy of her choice	
65.	'Give up' in para 3 means (a) stop attending classes (b) stop doing something (c) very eager (d) voluntary help	
66.	'Annulled' in para 5 means (a) To state officially that something is not legally valid (b) Help somebody (c) impending doom (d) social works	
67.	The children, all aged between 8 and 16, trooped to _____ and urged her grandparents to stop the impending wedding.	
68.	Roshni lost her father when she was only _____ years old.	

Rough Work