



# MACRO VISION ACADEMY, BURHANPUR

## Sample Paper 2021-22

Office Use

Class: XI COMMERCE Time : 80 min

M.M.: 40

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

City:-\_\_\_\_\_ Mobile No:-\_\_\_\_\_ Exam Date:-\_\_\_\_\_

Studying in Class:-\_\_\_\_\_ Appearing for class:-\_\_\_\_\_ Board: MP/CBSE/Other\_\_\_\_\_

### GENERAL INSTRUCTIONS:

- The question paper has 40 questions in all. Each question carries 1 mark.
- All questions are compulsory.
- Section A contains 15 questions of Mathematics.
- Section B contains 10 questions of Social Science.
- Section C contains 5 questions of MAT (Mental Ability Test).
- Section D contains 10 questions of English.

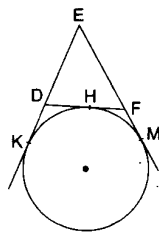
Mathematics (15)	Social Science (10)	MAT (05)	English (10)	OBTAINED (40)

### Section A

#### Mathematics

- Which of the following rational number is expressible as a terminating decimal?  
(a)  $\frac{131}{30}$                       (b)  $\frac{2027}{625}$                       (c)  $\frac{1625}{462}$                       (d)  $\frac{124}{165}$
- If the zeros of the polynomial  $f(x) = k^2x^2 - 17x + k + 2, (k > 0)$  are reciprocal of each other, then the value of k is,  
(a) 2                      (b) -1                      (c) -2                      (d) 1
- On solving  $3x + 4y + 7 = 0$  and  $5x - 7y - 2 = 0$ , we get :  
(a)  $x = 1, y = -1$                       (b)  $x = -1, y = 1$                       (c)  $x = -1, y = -1$                       (d)  $x = 0, y = \frac{-2}{1}$
- The roots of the equation  $2x^2 - 6x + 7 = 0$  are  
(a) real, unequal and rational                      (b) real, unequal and irrational  
(c) real and equal                      (d) imaginary
- The first and last term of an A.P. are 1 and 11. If the sum of its terms is 36, then the number of terms will be  
(a) 5                      (b) 6                      (c) 7                      (d) 8
- Find the distance of the point  $(-6, 8)$  from the origin.  
(a) 8                      (b) 11                      (c) 10                      (d) 9
- The value of  $(\tan 1^\circ \tan 2^\circ \tan 3^\circ \dots \tan 89^\circ)$  is,  
(a) 0                      (b) 1                      (c) 2                      (d)  $\frac{1}{2}$

8. A tower is 50 m high. Its shadow is  $x$  metres shorter when the sun's altitude is  $45^\circ$  than when it is  $30^\circ$ . Find the value of  $x$ . (Use  $\sqrt{3} = 1.732$ )
- (a) 36                      (b) 40                      (c) 36.5                      (d) None of these
9. In the given figure, a circle touches the side  $DF$  of  $\triangle EDF$  at  $H$  and touches  $ED$  and  $EF$  produced at  $K$  and  $M$  respectively. If  $EK = 9$  cm then the perimeter of  $\triangle EDF$  is .



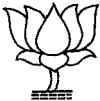

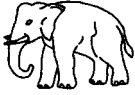

- (a) 9 cm                      (b) 12cm                      (c) 13.5 cm                      (d) 18cm
10. The probability that a leap year has 53 Sundays, is
- (a)  $\frac{2}{7}$                       (b)  $\frac{5}{7}$                       (c)  $\frac{6}{7}$                       (d)  $\frac{1}{7}$
11. The perimeter of a circular field is 242 m. The area of the field is
- (a)  $9317m^2$                       (b)  $18634m^2$                       (c)  $4658.5m^2$                       (d) None of these
12. If the bisector of an angle of a triangle bisects the opposite side of the triangle is
- (a) Isosceles                      (b) Equilateral                      (c) Scalene                      (d) Right angle
13. The mean and mode of a frequency distribution are 28 and 16 respectively. The median is
- (a) 24                      (b) 23.5                      (c) 22                      (d) 24.5
14. During conversion of a solid from one shape to another, the volume of the new shape will
- (a) Decrease                      (b) Increase                      (c) Remain unaltered                      (d) Be doubled
15. A man goes 24 m due west and then 10m due north. How far is he from the starting point?
- (a) 32 m                      (b) 17 m                      (c) 26 m                      (d) 28 m

### Section B

#### Social Science

16. Development of a country can be determined by its:
- (a) per capita income                      (b) average literacy level  
(c) health status of its people                      (d) all the above.
17. Which among the following sectors is registered by the government and follows rules and regulations
- (a) Tertiary sector                      (b) Unorganized sector  
(c) Organized sector                      (d) Semi – formal sector
18. Formal sources of credit do not include
- (a) Banks                      (b) Cooperatives                      (c) Employers                      (d) Government agencies.
19. Globalisation means .....?
- (a) Integration through cultural relations  
(b) Integration through social and political relations  
(c) Integration between countries through trade  
(d) Integration between countries through trade and investment.

20. The horizontal distribution of power sharing takes place between the .....
- (a) Legislature and executive (b) Executive and judiciary  
(c) Legislative, executive and judiciary (d) All of the above.
21. Under the Indian constitution the residuary powers are enjoyed by the .....
- (1) The Parliament (2) The Local Government  
(3) The State Assembly
- (a) only 1 (b) only 2 (c) 1, 2 and 3 (d) 1 and 2 only
22. Which of the following statements is true about democracy?
- (a) Democracy is not suitable for large countries with wide scope.  
(b) Democracy creates social divisions among political parties.  
(c) Democracy is most suitable to accommodate social diversities.  
(d) Democracy does not provide scope for dissent.
23. Which describes a system of Agriculture where a single crop is grown on a large area?
- (a) Horticulture (b) Plantation Agriculture  
(c) Primitive Subsistence Fanning (d) Thumming.
24. Where was the Non-Co-operation Movement called off?
- (a) Chauri Chaura (b) Dandi (c) Champaran (d) Kolkata.
25. Match the following:

Column-I (Symbols)	Column-II(Party)
(a) 	(i) BSP
(b) 	(ii) NCP
(c) 	(iii) CPI-M
(d) 	(iv) BJP

Options:

- (a) a(iv), b(ii), c(i), d(iii) (b) a(iv), b(iii), c(ii), d(i)  
(c) a(iv), b(i), c(iii), d(ii) (d) a(iv), b(iii), c(i), d(ii)

**Section C**  
**MAT**

26. When Anuj saw Manish, he recalled, "He is the son of the father of my daughter." Who is Manish?
- (a) Brother-in-law (b) Brother (c) Cousin (d) Son
27. What will come in place of question mark (?) in the following series?



- 33.** What does the word 'native' used in the passage mean?  
 (a) associated with a particular person to whom it belongs  
 (b) associated with a particular plant  
 (c) associated with a particular place to where it belongs  
 (d) none of the above
- 34.** What does the word 'solo' used in the passage mean?  
 (a) a thing done by three people                      (b) a thing particular to a culture  
 (c) a task done in a hurry                              (d) a thing done by one person
- 35.** The term salsa was created in  
 (a) Europe                      (b) Australia                      (c) New York                      (d) New Delhi

**In the passage given below, some words are missing. Choose the correct word from the given options to complete the passage meaningfully.**

Think twice before you take a sip (36) ..... that cola bottle this summer. Experts (37) ..... that excessive cola consumption can lead to (38) ..... from mild weakness to profound muscle paralysis. This is (39) ..... the cola drinks can cause blood potassium to drop dangerously low, they report in the International Journal of Clinical Practice. They tell of the curious case of an Australian ostrich farmer who (40) ..... emergency care for lung paralysis after drinking 4-10 litres of cola a day.

- 36.** (a) from                      (b) of                      (c) in                      (d) with
- 37.** (a) has warned                      (b) warn                      (c) warned                      (d) have warned
- 38.** (a) each                      (b) everything                      (c) something                      (d) anything
- 39.** (a) because                      (b) as                      (c) so                      (d) like
- 40.** (a) are needing                      (b) needs                      (c) need                      (d) needed

\*\*\*\*\*