

## (COMMERCE / HUMANITIES)

### MATHEMATICS

[20 Objective Type MCQs of 4 marks each. Total 80 Marks]

- A. **POLYNOMIAL** : Zeros of a polynomial, relationship between zeros and coefficients of a quadratic polynomial.
- B. **PROBABILITY** : Classical definition of probability, Simple problems on single events.
- C. **COORDINATE GEOMETRY** : Concepts of coordinate geometry, Distance formula, Section formula (internal division).
- D. **AREAS RELATED TO CIRCLES** : Motivate the area of a circle, area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (in calculating area of segment of a circle, problems should be restricted to central angle Of  $60^\circ$ ,  $90^\circ$  and  $120^\circ$  only, plane figures involving triangles, simple quadrilaterals and circle should be taken.)
- E. **SURFACE AREAS AND VOLUMES** : Surface areas and volumes of combinations of any two of the following : cubes, cuboids, spheres, hemispheres and right circular cylinders /cones. (Problems with combination of not more than two different solids be taken).
- F. **STATISTICS (Central Tendency)** - MEAN, MEDIAN & MODE (Group & ungrouped data)

## GENERAL ENGLISH

[20 OBJECTIVE TYPE MCQ OF 4 MARKS EACH. TOTAL 80 MARKS]

### ENGLISH

#### **Fill in the Blanks:**

Tenses, Determiners, Subject Verb Agreement, Reported Speech, Modals

Reading Comprehension

Cloze test

Error Correction

Test on Vocabulary

## SOCIAL SCIENCE

[20 Objective Type MCQs of 4 marks each. Total : 80 Marks]

### History

- The Nationalist Movement in India
- Nationalism in Europe
- Print culture and the Modern World

### Political Science

- Power Sharing
- Federalism
- Political Parties

### Geography

- Resources and Development
- Manufacturing Industries

### Economics

- Money and Credit
- Globalisation and the Indian Economy