

(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° , 90° and 120° 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