## Shivaji University, Kolhapur-416004
## Department of Economics
## Admission 2022-2023
## B.Sc.-M.Sc. Economics Integrated (Five Years) Programme
## Syllabus of Entrance Examination

**About Entrance Examination**

Candidates seeking admission to the B.Sc.-M.Sc. Economics Integrated (Five Years) programme shall be required to appear for Shivaji University Entrance Examination of B.Sc.-M.Sc. Economics Integrated (Five Years) 2022. The pattern of the entrance exam is as follows:

● The entrance examination will consist of 50 objective-type questions.

● Each question will carry **TWO** marks. The maximum score point is 100 marks.

● The medium of the Entrance Examination is "English".

● The time duration of the entrance examination will be 90 minutes.

**Components for Entrance Examination**

The Entrance Examination will comprise the following components:

**Section A: (70 Marks)**

**Economics Mathematics & Statistics**

Basic concepts in economics, mathematics and statistics will be covered up to the 12th standard of the CBSE and State Board (HSC) syllabus.

**Economics**

Basic Concepts in Economics, Money, Unemployment, Poverty, Economic Planning in India, Utility Analysis, Demand Analysis, Supply Analysis, Forms of Market, National Income.

**Mathematics & Statistics**

Number System: Natural numbers, integers, rational numbers, and irrational numbers, imaginary numbers, Representation on the number line, Properties of real numbers, Definition of nth root of a real number, complex roots.

Surds: Definition, Forms, Operations, Laws, Rationalisation.

Sets: Types of sets, Subset, - Proper, Improper subset, Super-set, Universal set, Venn diagrams, Operations on sets.

Arithmetic: Profit and loss, discounts, Compound interest, Time, work, distance, Ratio and Proportion, Variation, LCM, HCF.

Algebra: Basic Algebraic Identities, Equations - Linear & Quadratic sequence, Series (AP, GP, HP.), Arithmetic mean, and geometric mean.

Probability: Basic Terminologies, Concept of probability, Addition Theorem, Conditional probability, Multiplication Theorem.

Basic statistics and graphs: Mean, median and mode of grouped data, Histograms, frequency polygon, frequency curve, pie diagram, Ogives (Cumulative frequency graphs), Cartesian coordinate system, Understanding of graphs of lines parallel to axes, Graph of line $ax + by + c = o$.

**Section B: (30 Marks)**

**English, Aptitude, General Knowledge, and Current Affairs**

English:

- Reading comprehension
- Vocabulary
- Applied grammar
- Sequencing of ideas

Aptitude,

General Knowledge and

Current Affairs

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