Royal College of Arts, Science and Commerce (Autonomous)

NOTICE

Criteria for admission to M.Sc. Data Science (PG) Self Financing Program for 2025-2026

The merit list for the admission to the M.Sc. Data Science program under the self-financing scheme will be based on (Percentage of aggregate marks/SGPI secured in Sem. 5 & 6 of Bachelor or Sem. 7 & 8 of B.E./ B.Tech.) as well as marks secured in the Common Entrance Test (CET) conducted by the college This Program will be aligned with NEP-2020 as per govt. of Maharashtra guidelines.

Instructions for Common Entrance Test:

- Date of Exam: **16th June 2025**
- The Online Entrance Exam will consist of **Multiple-Choice Questions (MCQ)**
- There is **No negative marking** System for this test.
- Test Duration: **60 minutes**
- No of Questions: **60**
- Total Marks: **60**
- Medium of Test: **English**
- Mode of Examination: **Online**; however, the candidate is required to be physically present at the college campus to take the exam.
- Candidates must be present in the college campus **30 minutes** before the entrance exam start time to ensure a smooth process.
- Decision of College in all matters relating to conduct of College Entrance exam will be final and binding on the candidate.

Syllabus for CET

Section-1: English
- English Comprehension
- Vocabulary
- Knowledge, an appropriate usage of a word, correct forms of words.

Section-2: Logic
- Analogy & Sequence
- Blood relations
- Predicate and Propositional logic

Section-3: Mathematics
- Vectors, Matrices and Determinants
- Lattice theory and linear algebra
- Differentiation and integration
- 2-D and 3-D geometry
- Numerical methods
- Permutations and Combinations
- Set Theory

Section-4: Statistics
- Correlation & Regression
- Sampling Theory
- Probability Distributions
- Data Visualization
- Aggregation and measure of central tendency
- Discrete and continuous probability distributions
- Hypothesis testing

Section-5: Computer Science
- Data structures
- Basics Operating environments and operating systems
- Basics of Programming and algorithms
- Software engineering
- Basics of Data Communications
- Networking and Basics of databases.

K. N. Patanke- Jain

PRINCIPAL