



Estd. 1949

Accredited Grade 'A' by NAAC

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

**SYLLABUS FOR THE WRITTEN TEST FOR
THE POST OF UNIVERSITY ENGINEER**

Unit1:

History and Culture of Gujarat, Current Affairs of India and Gujarat

Unit 2:

English/Gujarati/Hindi Grammar

Computer theory with reference to basic knowledge of computer applications

Unit 3:

Building Materials, Structural Analysis, Construction Practice, Planning and Management, Quality Control measures on site. Environmental Engineering, Surveying and Geology, Transportation Engineering, Basics of Electrical Engineering, Green Mapping

Unit 4:

Project Management, Project Planning & Management software, Construction Technology etc., Current Trends and Recent Advancements in the field of Civil Engineering

Unit 5: (Topics Related to Post Notified by the University)

- Construction, Maintenance, Preservation, Restoration & Conservation of Institutional and Heritage Buildings.
- Scrutiny of plans and estimates, Knowledge regarding tendering, contracts, Project Management, Annual Rate Contracts, SOR, Rate Analysis etc.
- Scrutiny of bills and measurements and materials management (Construction material, Green material, Recyclable material, Renewable material)
- Water harvesting and management. Energy Management.
- Knowledge of purchase through GeM, Stores, Dead Stock.
- Basic knowledge of Architecture, Interiors and Structural Engineering.
- Basic knowledge of Accounting system, PFMS, Audit, Insurance, TDS, GST, Labour laws etc.
- Knowledge regarding Disaster Management Act, Fire safety norms

NOTE:

- The objective type test shall consist of 50 Multiple Choice Questions (MCQs).
- The Objective test shall be of 100 Marks.
- Each question shall carry weightage of 2 marks.
- There will be NO negative marking.
- The candidate shall have to attempt all questions.
- Duration of the test will be of 1 hour.
- The University reserves right to set questions having heterogeneous weightage across different units considering the post notified by the University.