

Walk-in-interview for Guest Faculties in Mechanical Engineering Department on 22.11.2023 at 2.30pm, Jadavpur University for the Course of Five-Year Programmes for Bachelor of Engg. (Mechanical Engg.)

The details are mentioned below-

Name of the post	Guest Faculty
Number of vacancy	Two
Subjects	1) Engineering Economics and Costing and 2) Humanities
Qualification	As per UGC / State Govt Norms
Period of contract	Six months for 2 nd sem, session 2023-24 (January to June).
Class Timing	6pm to 9 pm (3 Periods or 3 hrs per week)
Course Name	Five-Year Programmes for Bachelor of Engg. (Mechanical Engg.)
Job location	Jadavpur University Main Campus, Mechanical Engg Dept.
Remuneration	Rs. 500/- per Period or per hr
Walking interview scheduled	scheduled for the 22nd November (Wednesday) 2023 at 2.30 pm
Venue	Seminar room, Mechanical Engg Dept, Jadavpur University
Interview	Interested candidates be requested to come along with CV attached with Passport Photo and documents, and report at 2.30 pm at Mechanical Engg Dept, Jadavpur University

Note - Syllabus of the subjects are attached herewith.

ENGINEERING ECONOMICS AND COSTING

Introduction: engineering economy and its importance, want activity – satisfaction of wants. Resource planning and distribution in economic systems – Laissez.

Factors of production: the concept of optimum, laws of return; demand - elasticity of demand – demandestimation market research; supply and industrial costs.

Money-value of money; quantity theory; inflation and deflation.

Banking: role of commercial banks; credit and its importance in industrial functioning – source of finance;

Reserve bank of India and its functions.

Business management and organisation: proprietorship, partnership and joint-stock company – their formation.

Finance and management: elements of taxation, insurance, business combinations, basic principles of management.

Industrial record-keeping: double entry system, journal, ledger, trial balance, cash book, preparation of final accounts – trading, profit and loss account, balance sheet, simple study of balance.

Industrial costs: classification – material cost control, labour cost control and overhead cost control; depreciation and replacement studies.

Financial control: ratio analysis and their interpretation for industrial control; budgetary control.

Value analysis and project evaluation: pay back, DCF, IRR.

HUMANITIES

ENGLISH- 50 Marks

- 1.Basic writing skills
- 2.Report, Covering Letter & Curriculum-Vitae writing
- 3.Reading and Comprehension
- 4.Selected Short Stories

Text Book: English for all

SOCIOLOGY- 50 Marks

1. Sociology: Nature and scope of Sociology - Sociology and other Social Sciences - Sociological Perspectives and explanation of Social issues
2. Society and Technology: Impact of Technology on the Society - A case study
3. Social Stratification: Systems of Social Stratification - determinants of Social Stratification - Functionalist, Conflict and Elitist perspectives on Social Stratification
4. Work: Meaning and experience of work: Postindustrial society- Post-Fordism and the Flexible Firm
5. Development - Conceptions of and approaches to development - The Roles of State and the Market in the Development
6. Globalization: The concept of globalization - globalization and the nation state - Development and globalization in post colonial times.
7. Industrial Policy and Technological change in India - The nature and Role of the State in India
8. Technology Transfer: The Concept and Types of Technology Transfer-Dynamics of Technology Transfer
9. Technology Assessment: The Concept - Steps involved in Technology Assessment
10. Environment: Sociological Perspectives on Environment - Environmental Tradition and values in ancient India
11. The Development of Management: Scientific Management - Organic Organization - Net Work organization - Post modern Organization - Debureaucratization - Transformation of Management
12. Technological Problems and the Modern Society: Selected Case Studies – Electric Power Crisis, Industrial and/or Environmental Disaster, or Nuclear Accident.