Instrumentation Specialisation

SEMESTER - 4

SUBJECTS	Minor -1 Marks	Mid - Exams	Minor - 2 Marks	End - Exams
Process Instrumentation	10	30	10	50
Transducer Technology	10	30	10	50
Microcontrollers	10	30	10	50
Elective - I	10	30	10	50
Elective - II	10	30	10	50
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Elective I and II (for Instrumentation Specialization)

1. Industrial Instrumentation
2. Process Dynamics and Control
3. Signal Conditioning Circuits
4. Data Acquisition Systems
5. High Speed Data Converters
6. Pulse Circuits

SEMESTER - 5

SUBJECTS	Minor -1 Marks	Mid - Exams	Minor - 2 Marks	End - Exams
Analytical Instrumentation	10	30	10	50
Nuclear Instrumentation	10	30	10	50
Elective - III	10	30	10	50
Elective - IV	10	30	10	50
Elective - V	10	30	10	50
Elective - VI	10	30	10	50

Electives III, IV, V and VI (for Instrumentation Specialization)

1. Electronic Instrumentation
2. Non-Destructive Testing
3. Controller Design using FPGA
4. Medical Instrumentation
5. Solar Energy Systems
6. Display Technologies
7. Telemetry and Tele-command
8. Image Processing
9. Control Systems
10. PC Based Instrumentation
11. Digital and Distributed Control Systems
12. Signal Processing