

**The tentative Syllabus of Online Exam for selection to the posts of Instrument Mechanic will be including but not limited to following topics and emphasis could differ.**

**Section : I General Knowledge (10%)**

**Section : II English Knowledge (10%)**

**Section : III Diploma in Instrumentation & Control Engineering covering following topics (60%)**

- Basic of Circuits and Measurement System
- Basic Electronics/Analog & Digital Electronics
- Power Electronics and Types of Drivers (Control Valves, ON/OFF Valves etc.)
- Measurement and Instrumentation
- Field Instrumentation System
- Control System and Process Control
- Open / Close / Cascade loop control
- PID Controller and tuning
- Pneumatic control / Pneumatic drives
- Type of sensors & Transducers
- Basic Data Acquisition System
- PLC/DCS/SCADA
- Networking / Computer networks
- Cabling
- Analytical Instruments

**Section-IV : Computer Knowledge (10%)**

**Section-V : Gujarati Language & Grammer (10%)**