

**DEPARTMENT OF PRODUCTION AND INDUSTRIAL ENGINEERING
FACULTY OF ENGINEERING & ARCHITECTURE
JAI NARAIN VYAS UNIVERSITY :JODHPUR**

**Syllabus for written exam for recruitment of new teachers in the department
Decided in DC Held on 17/10/2016**

Particulars / Syllabus Contents	Approx. Weightage
General Engineering: Engineering Mathematics, Applied Mechanics, Theory of Machines, Design of Components and Assemblies	10%
Production Engineering (i) Hot Working & Cold Working Operations: - Foundry Engineering, Metal Forming Operations, Joining Operations, Metal Cutting Operations, Non-conventional Machining Operations, Press Working Operations. (ii) Metrology (iii) Material Science	40%
Industrial Engineering & Operations Management: (i) Industrial Engineering : Engineering Economics, Work Study, Ergonomics & Productivity Engineering, Facilities Locations and Layout Planning, Product Design & Development, Entrepreneurship Development, Intellectual Property Rights, Maintenance Management. (ii) Operations Management: Production Management, Operations Research, Quality Management & Reliability, Project Management, Supply Chain Management.	40%
Automation: Computer Integrated Management, Computer Aided Design, Computer Aided Manufacturing, Computer Aided Process Planning, Robotics, Simulation.	10%

Depth of competence for these topics would be of the level of UG & PG. Programmes in Prod. & Ind. Engg. and related courses followed across the country.

=====

