Paper / Subject Code: 51604 / Production Process -I

Friday, May 24, 2019 02:30 pm - 05:30 pm 1T01423 - S.E.(MECHANICAL)(Sem III) (Choice Based) / 51604 - PRODUCTION PROCESS-I 68448

Time: 3 Hours Max Marks: 80 **Instructions:** 1. Question no. 1 is compulsory. 2. Answer any three questions of the remaining five questions. 3. Make suitable assumptions wherever necessary. 4. Figures to the right indicate full marks. Q.1. Attempt the following two questions: (10 marks each). a. Classify Production Processes in detail. 10 b. Compare wood and metal as pattern materials. 10 Q.2. Attempt the following two questions: (10 marks each). a. Describe the CO2 Shell Moulding Process. 10 b. Differentiate between MIG welding and TIG welding. 10 Q.3. Attempt the following two questions: (10 marks each). a. Describe Rolling process in general with a neat labeled sketch. 10 b. Compare Drop Forging with Hammer Forging process. 10 Q.4. Attempt the following two questions: (10 marks each). a. Describe the Blow Moulding process for plastics. 10 b. Describe Reaction Moulding of polymers with a neat labeled sketch. 10 Q.5. Attempt the following two questions: (10 marks each). a. How does a Gear Cutting process differ from a Gear Generating process? 10 b. How can a lathe machine be specified for the purpose of purchasing? 10 Q.6. Attempt the following two questions: (10 marks each). a. What is meant by a 'Closed Loop Control System' and an 'Open Loop Control System'? 10 b. What is a Transfer Line Machine? Draw a neat labeled sketch. 10