

T24/T35/T50/T51/T52/M07044/EE/2016

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) State the advantages of FPM process. 5
 - b) Explain flexible manufacturing system. 5
 - c) How Co-ordinate measuring system is used in manufacturing method? 5
 - d) Explain just in time manufacturing Technology. 5
 - e) Explain the Robots used in manufacturing. 5
2. Solve any **four** sub-questions.
 - a) State application of AJM process. 5
 - b) Why do we need advanced machining process? 5
 - c) Explain USM with neat sketch? 5
 - d) What are various advanced machining process? 5
 - e) State the advantages of USM process. 5
3. Solve any **four** sub-questions.
 - a) State the applications of EDM. 5
 - b) Explain electric discharge diamond cutting. 5
 - c) What are the process? Variables of EDM. 5
 - d) Explain working principle of wire-EDM. 5
 - e) Explain process characteristics of W-EDM. 5

4. Solve any **four** sub-questions.
- a) Explain working of LBM. 5
 - b) What are advantages of ECM process? 5
 - c) State applications of LBM process. 5
 - d) What are the mechanical properties of ECM parts? 5
 - e) What are process characteristics of ECM? 5

