Examination, December – 2017 COMPUTER INTEGRATED MANUFACTURING

Paper-ME-425-F

Time allowed: 3 hours]

[Maximum marks: 100

Note: Q. No. 1 is compulsory. Students have to attempt five questions in total, at least one question from each section.

- (b) What is work volume in robotic technology? 10
- (c) What is computer aided testing?

Section-A

(a) What are basic components of NC system? 10(b) What are basic components of CNC system? 10

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- (a) What are different types of memory?
- What are different advantages of CNC? 10

Section-B

(a) Discuss the computer assisted part programming.

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- Discuss the APT language geometry.

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Explain the following: (i) Function of computor in CIMS (ii) Contact inspection method.	(a) Explain the role of computer in QC. (b) What is material handling system?	Explain the following: (i) Part programmer job (ii) Tape coding and forward. Section—C (a) What are different types of robot control? 10 (b) Explain the different types of FMS workstation. Explain the following: Explain the following: FMS components 20 20 20 21 20 21 20 21 20 21 20 21 20 21 20 21 22 22	
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