

## **Mid Semester Examination - October - 2017**

**Branch: M. Tech. (Automation)**

**Sem.:- I**

**Subject & Subject Code:- Industrial Automation (ME-XX101)**

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This Question paper is set referring a prescribed Book from syllabus of BATU titled "Automation, Production Systems & Computer-Integrated Manufacturing" written by Mikell P. Groover (Edition 2001)

Following points can be considered for evaluation.

1. Page Nos are shown in respective brackets.
2. Primarily the marks for answers can be attributed proportionally to the Key Points and Key Words. If required elaboration length in terms of number of words can also be considered for assigning marks suitably.

**Q. No. 1**

- a. Define Automation and Types of Automation in Production System. (Pg. 1 & 2)
- b. What are the Methods of Workpart Transport. (Pg. 87)

**Q. No. 2**

- Write briefly about various functions in Manufacturing. (Pg. 20)
- What do you mean by Fixed and Variable Cost? (Pg. 52)
- Explain in short the concept of "Starving" and "Blocking". (Pg. 119)
- Reasons for adopting Partial Automation in Production Lines. (Pg. 115)