

**B.Tech. SEM -VI Production 2014 Course (CBCS) : WINTER - 2018**

**SUBJECT : PRODUCTION MANAGEMENT**

Day : Wednesday

**W-2018-2501**

Time : 10.00 AM TO 01.00 PM

Date : 14/11/2018

Max. Marks : 60

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**N. B. :**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labeled diagram **WHEREVER** necessary.
  - 4) Assume suitable data, if necessary.
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**Q. 1** Describe functional, economical, manufacturing and marketing aspects in product design. (10)

**OR**

**Q. 1** Describe the relationship of production management with materials, maintenance, and quality control. (10)

**Q. 2** What are the different types of layout? State the merits and demerits of each. (10)

**OR**

**Q. 2 a)** What are the principles of material handling? (05)

**b)** What are the different types of AGV used for material handling? (05)

**Q. 3** Describe Toyota Production System (TPS) with its merits, demerits and applications. (10)

**OR**

**Q. 3** Explain capacity and level strategies of man power. (10)

**Q. 4 a)** What are the different types of maintenance? Explain any one in detail. (05)

**b)** What are the different types of operating policies for maintenance in industry? (05)

**OR**

**Q. 4** Describe the importance of maintenance in industry as a production management. (10)

**Q. 5** Describe the concept of world class manufacturing with its working, merits, demerits and applications. (10)

**OR**

**Q. 5 a)** Explain the evolution of world class manufacturing. (05)

**b)** What do you mean by emergence of information age in WCM? (05)

**Q. 6 a)** Explain knowledge based system with its advantages, disadvantages. (05)

**b)** What is waste heat treatment? (05)

**OR**

**Q. 6** What are the different types of recent techniques of production management? Explain any two in detail. (10)

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