

**B.Tech. SEM -VII Mechanical 2014 Course (CBCS) : WINTER - 2018**  
**SUBJECT: ELECTIVE-II INDUSTRIAL ENGINEERING AND MANAGEMENT**

Day: Monday  
Date: 03/12/2018

**W-2018-2574**

Time: 02.30 PM TO 05.30 PM  
Max Marks: 60

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data if necessary.

**Q.1 a) Define Management. Explain the principles of Management. (10)**

**OR**

**b) Define Management. Explain why Management is called as Science, Art and Profession. (10)**

**Q.2 a) Define Organization. Distinguish between Partnership and Joint Stock Company. (10)**

**OR**

**b) Define organization. Explain functional organization with its advantages and limitations. (10)**

**Q.3 a) Draw the structure for Finance Department. Explain the sources of finance available for starting or developing a business. (10)**

**OR**

**b) Draw the structure of Marketing Department. State different types of market. Explain Mix- marketing with suitable example. (10)**

**Q.4 a) Define Work Study. Explain the procedure of Method Study. With suitable example. (10)**

**OR**

**b) Define Method Study. Explain Man Types Flow Process Chart and Two Handed Flow Process Chart with suitable example. (10)**

**Q.5 a) The elemental data for a typical job was calculated by fly-back stopwatch method is given below. (10)**

Element No	Elemental Time(seconds)	Performance Rating (%)	Frequency
1	20	85	7
2	23	95	1/4
3	24	100	1/6
4	20	75	1
5	35	80	1/3

**OR**

**b) Define Work Sampling. Explain the procedure to calculate the standard time by work sampling. (10)**

**Q.6 a) What role is played by use of safety devices and equipments? Explain the role of eye- protection safety devices used in welding. (10)**

**OR**

**b) What is the purpose of The Factory Act 1948? Mention salient features in the factory Act in relation to working hours and safety. (10)**

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