

B.Tech. SEM -VII Mechanical 2014 Course (CBCS) : SUMMER - 2019
SUBJECT: IELECTIVE-II INDUSTRIAL ENGINEERING AND MANAGEMENT

Day: Wednesday
Date: 15/05/2019

S-2019-2839

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.
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Q.1 a) Define Management. Explain the functions the Management. (10)

OR

b) Define Management. Explain the contribution of F.W. Taylor, Henry Fayol and Gilbreth. (10)

Q.2 a) Define Organization. Distinguish between Individual proprietorship and Public sector. (10)

OR

b) Define Organization. Explain Line and Staff organization with its advantages and limitations. (10)

Q.3 a) Explain the role of Personnel Manager. Explain any three methods of Merit Rating. (10)

OR

b) Explain the role of Finance Manager. Explain the Balance Sheet of any automobile industry for manufacturing a car. (10)

Q.4 a) Define Work Study. Explain Multiple Activity Chart and Simultaneous Motion Chart with suitable example. (10)

OR

b) Define Work Study. Explain detail procedure of work study with suitable example. (10)

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

Element No	Elemental Time(seconds)	Performance Rating (%)	Frequency
1	15	85	7
2	26	95	1/4
3	38	89	1/6
4	45	75	1
5	59	80	1/3

OR

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

Q.6 a) Define ergonomics. Explain the man-machine system. State the use of Anthropometry. (10)

OR

b) Explain (10)
i) 5S
ii) Kaizen
State their advantages and limitations.

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