

B.TECH. SEM -VII MECHANICAL 2014 COURSE (CBCS) :

SUMMER - 2018

SUBJECT: ELECTIVE-II INDUSTRIAL ENGINEERING AND MANAGEMENT

Day: **Friday**
Date: **25/05/2018**

S-2018-2519

Time: **02.30 PM TO 05.30 PM**
Max Marks: 60

N.B.:

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

Q.1 Define Management. State the contributions of Henry Fayol, F.W.Taylor, and Babage in the evolution of management. (10)

OR

Q.1 Define Management. Explain the functions and levels of Management. (10)

Q.2 What are the types of Businesses? Distinguish between Individual and Partnership organization (10)

OR

Q.2 Give classification of Business organization. Distinguish between Private and Public Joint Stock Company. (10)

Q.3 Explain the detailed procedure of recruiting fresh engineer in any automobile industry. (10)

OR

Q.3 What is the difference between Marketing and Selling? What is meant by Market Segmentation? Explain its importance. (10)

Q.4 Define Work Study. Explain with suitable Two Handed Process Chart and Man type flow process chart. (10)

OR

Q.4 What is meant by SIMO Chart? How does it differ from Flow Process Chart? (10)

Q.5 Elemental data for job is noted by cumulative stop watch method is as follows. (10)

Element Number	Observed Time (Seconds)	Performance Rating %	Allowance (%)
1	12	90	30
2	23	94	10
3	33	100	05
4	45	90	08
5	59	85	12

Calculate the standard time for given job.

OR

Q.5 Elemental data is noted for job by accumulative stop watch method for is as follows. (10)

Element Number	Observed Time (Seconds)	Performance Rating %	Frequency
1	50	90	1
2	34	94	1
3	34	100	1/5
4	54	90	1/7
5	23	85	1/7

Calculate the standard time for the job considering the relaxation allowance of 10% and Contingency Allowance of 7%.

Q.6 What is meant by Anthropometry? Explain any three important dimensions of human being which are used in practice for design of any appliance. (10)

OR

Q.6 What is meant by Ergonomics? Discuss with suitable examples, which are the factors affecting the efficiency of human beings? How can this be improved? (10)

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