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Question Paper Code: 58766

B.E. / B.Tech.DEGREE EXAMINATION, APRIL 2019

One credit course

Mechanical Engineering

15UME866 - WORK STUDY

(Regulation 2015)

Duration: 1.30 hours

Maximum: 30 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

- Factors affecting plant location is /are
 - Nearness to raw materials
 - Transports Facilities
 - Nearness to market
 - All the above
- study at finding the best way of doing a job.
 - Method Study
 - Motion Study
 - A & B
 - None
- _____ is Topography, area, the shape of the site, cost drainage and other facilities, the probability of floods, earthquakes(from the past History) etc. ,influence the selection of plant location.
 - Land
 - Building/Rent
 - Labour
 - All the above
- Method study also called as.....
 - Work Study
 - Motion Study
 - S.I.M.O chart
 - None
- _____ is generally achieved by eliminating unnecessary motions involved in a certain procedure or by changing the sequence of operation or the process itself.
 - Method Study
 - Motion Study
 - both (a) and (b)
 - None
- The cost which decide the locational economy are those of.....
 - Land
 - Building/Rent
 - Labour
 - All the above

7. _____ will find the time allowed to complete the job by that procedure.
 (a) Work Study (b) Motion Study (c) Time Study (d) None
8. A plant is a place, where..... is/are brought together for manufacturing products.
 (a) Men (b) Materials
 (c) Money and Equipment (d) All the above
9. design affects the production rates, efficiency and the accuracy with which an operation can be performed
 (a) Product Design (b) Work Station Design (c) Layout Design (d) All
10. Demerits of selecting the plant site in a city(Urban site)
 (a) Land available for the building is limited in area
 (b) Cost of land and Building construction is high
 (c) Local taxes etc, are high.
 (d) All the above

PART – B (2 x 10= 20 Marks)

11. (a) Explain the step wise procedure for Method Study. (10)
 Or
 (b) Explain in details of Process charts symbols and Flow process charts. (10)
12. (a) Explain the selecting the plant site in rural and urban locations in detail. (10)
 Or
 (b) Explain in details of Principle of Motion economy (10)