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**Question Paper Code: 58766**

B.E. / B.Tech.DEGREE EXAMINATION, NOV 2018

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)

- ..... Investigates the work done in an organization and it aims at finding the best and most efficient way of using available resources  
(a) Work Study      (b) Motion Study      (c) S.I.M.O chart      (d) None
- ..... study at finding the best way of doing a job.  
(a) Method Study      (b) Motion Study      (c) A & B      (d) None
- ..... is generally achieved by eliminating unnecessary motions involved in a certain procedure or by changing the sequence of operation or the process itself.  
(a) Method Study      (b) Motion Study      (c) A & B      (d) None
- Method study also called as.....  
(a) Work Study      (b) Motion Study      (c) S.I.M.O chart      (d) None
- Every organization tries to achieve best quality production in .....  
(a) Max. Time      (b) Min. Possible time      (c) Const. Time      (d) None
- The cost which decide the locational economy are those of.....  
(a) Land      (b) Building/Rent      (c) Labour      (d) All the above
- Merits 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) Service of experts and specialists are easily available  
(d) All

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. .... is characterterised by keeping similar machines or similar operations at one location.  
(a) Functional Layout. (b) Production layout  
(c) Plant Layout (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 the Plant layout Procedure. (10)
12. (a) Explain the application of Ergonomics in details (10)  
Or  
(b) Explain the Advantages and Disadvantages of Selecting the plant site in rural (10)  
and urban locations