



ST.ALOYSIUS INSTITUTE OF TECHNOLOGY, JABALPUR
WORK STUDY BE-ME VIISEM- Assignment Question

UNIT-1

Short Answer type question-

- Q1. Define method study?
- Q2. Why we perform work study?
- Q3. What is a process chart?
- Q4. Explain principal of motion economy?
- Q5. What is micromotion study?
- Q6. What is importance of Therbligs ?
- Q7. Explain Man – Machine chart.
- Q8. What is Chronocycle graph?
- Q9. What is memo motion study?
- Q10. What is SIMO chart?

Long Answer type question-

- Q1. Define method study. What are its objectives?
- Q2. What are various recording techniques in method study? Explain one of them in detail.
- Q3. What is a process chart? Enlist various types of process charts.
- Q4. Write short note on – Principal of motion economy as related to work place layout.
- Q5. What factors must be considered to develop an improved method?
- Q6. What is a process chart? Briefly explain the procedure for making this chart.
- Q7. Explain the operation process and flow process chart with suitable examples?
- Q8. Explain the significance, construction and application of string & flow diagrams?
- Q9. Write short note on – (a) Micromotion study
(b) Therbligs and its importance
- Q10. Write short note on – (a) Cycle graph & Chronocycle graph (b) Man – Machine chart

UNIT – 2

Short Answer type question-

- Q1. What is work measurement?
- Q2. What are the applications of work measurement?
- Q3. Which type of equipment needed for work measurement?
- Q4. Define method of rating?
- Q5. Explain principal of breaking a job into elements?
- Q6. Define standard time & allowance time?
- Q7. What is work sampling?
- Q8. What are the objectives of work measurement?
- Q9. How we select job for work measurement?
- Q10. What is the procedure of work sampling

Long Answer type question-

- Q1. Explain the procedure of work measurement?
- Q2. What do you understand by allowances in the context of time study? Explain various allowances and how are they determined?
- Q3. Explain the concept of work sampling. How does work sampling differ from stop watch work study?
- Q4. Enumerate the different methods of work measurement and describe the steps involved in stop watch time study procedure.
- Q5. Why is the work content divided into elements? Explain rules to be followed while breaking the job into elements.
- Q6. Define basic time and standard time in context of time study.
- Q7. Write procedure of work sampling. What are advantages & disadvantages of work sampling?
- Q8. Define performance rating. What is its necessity?



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UNIT - 3

- Q1. What is job evaluation? What are different methods of job evaluation?
- Q2. What are the principal of job evaluation? Give objectives of job evaluation.
- Q3. What is an incentive? Name different types of incentives schemes. Discuss any one incentive scheme in detail.
- Q4. What are the advantages of standard data? What are the various methods for determining standard?
- Q5. Explain merit rating and their advantages?
- Q6. Define MTM and explain following terms –
- (a) Various classes of reach
 - (b) Various classes of move
- Q7. Write about BMTS and explain different factors in which it depend?

UNIT-4

Short Answer type question-

- Q1. What do you mean by 'ERGONOMICS'?
- Q2. What is Man-Machine system.
- Q3. How we classify Man-Machine system?
- Q4. Enlist various environmental factor which effect Man-Machine system.
- Q5. What is information processing.

Long Answer type question-

- Q1. What factors would you consider from human engineering point of view in the design of workplace?
- Q2. What is human factor engineering? Why it is needed?
- Q3. Discuss various types and characteristics of man-machine system.

Q4. Name various environmental factors which need to be considered in the ergonomics. Explain any two?

Q5. What do you mean by man-machine system?

Q6. List various factors which can affect the performance of human operators in a man-machine system?

Q7. Explain a framework of human information processing with neat sketch.

Q8. What are the factors affecting selection of information?

UNIT-5

- Q1. What do you understand by a Display System? Explain anthropometry.
- Q2. Describe various types of display system and their salient features.
- Q3. What are the different guidelines for display design?
- Q4. Explain different body dimensions which should be consider for display design.
- Q5. Explain characteristics of auditory and tactral display?