

- Q.13 Explain any five tools used in Time study.
- Q.14 differentiate between micro-motion study and memo-motion study.
- Q.15 Explain the concept of TQM system for quality control in brief.
- Q.16 Explain any five material handling equipments used in manufacturing industries with their uses.
- Q.17 Explain the need for production, planning and control in industry.
- Q.18 Explain any five duties of Inspection Foreman.

### Section-C

- Note:** Long answer type Question. Attempt any one questions out of two Questions. (1x10=10)
- Q.19 What is statistical Quality Control? Explain used & application of P-Chart in statistical Quality Control in detail.
- Q.20 Explain various types of inspections used in a manufacturing industry in detail

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### 1st Sem - Level-4 (DVOC) Sub : Industrial Engineering

**Time : 3 Hrs.**

**M.M. : 50**

### SECTION-A

**Note:** Very Short Answer Questions. All Questions are compulsory. (10x1=10)

- Q.1 What is basic used of Process chart?
- Q.2 What is acceptance sampling?
- Q.3 Write any two disadvantages of process layout.
- Q.4 Draw the therblig symbol for transport unloaded.
- Q.5 What is plant layout?
- Q.6 Define mode.
- Q.7 What is PERT?
- Q.8 What is Six sigma?
- Q.9 Tell the main objective of inspection.
- Q.10 Draw the therblig symbol for Search.

### Section-B

- Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)
- Q.11 Explain any five advantages of product layout.
- Q.12 Explain process & procedure of routing.