

- Q.25 What is the importance of route sheet.
  - Q.26 Explain in detail master schedule.
  - Q.27 Discuss Gantt Chart.
  - Q.28 What are the different types of inspections? Explain any two.
  - Q.29 Write in brief about the various stages in TQM implementation.
  - Q.30 Explain the concept of JIT.
  - Q.31 Write in brief about implementation of Quality Management Systems(ISO 9000).
  - Q.32 What is Quality Circles (QC)? Mention some major objectives of Quality Circle projects.
  - Q.33 Draw the ladder of cost and show various costs on it.
  - Q.34 What do you understand by fixed and variable overheads? Give suitable examples.
  - Q.35 Distinguish between 'internal customer' and 'external customer'

## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the various functions of production planning & control & its advantages.

Q.37 What is market survey? Which data is to be collected for setting up of new venture? Explain.

Q.38 Explain all the elements in 5'S principle and also the implementation procedure of 5'S in a manufacturing company.

No. of Printed Pages : 4  
Roll No. ....

180361/170361

**6th Sem / Auto  
Subject:- Production Engg.**

Time : 3Hrs.

M.M. : 100

## **SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The elimination of which of the following will improve industrial productivity

  - a) Excess time              b) Ineffective time
  - c) Both (a) and (b)        d) None of the above

Q.2 Mechanization is \_\_\_\_\_

  - a) When a human operates a machine
  - b) Using machines to do work instead of humans
  - c) Installing machines into the human body
  - d) Advancing machine technology

Q.3 Break-even analysis chart is drawn between

  - a) Overhead cost and fixed cost
  - b) Volume of production and income
  - c) Material cost and labour cost
  - d) None of these

Q.4 Which of the following is not related with JIT implementation?

  - a) Pull System              b) Push System
  - c) Zero inventory          d) Zero lead time

- Q.5** QIP stands for-
- Quality improvement program
  - Quality imparts process
  - Quality import procedure
  - None of the above
- Q.6** X chart is a \_\_\_\_\_
- Attribute control chart
  - Variable control chart
  - Neither a variable control chart nor an attribute control chart
  - Falls in the category of both variable and attribute control charts
- Q.7** Prime Cost in the aggregate of all \_\_\_\_\_.
- Indirect expenses
  - Indirect expenses + Direct expenses
  - Direct expenses
  - None of the above
- Q.8** Which of the following is/are the advantage(s) of using the ISO 9001 standard?
- Organizing processes
  - Improving the efficiency of processes
  - Continuous improvement
  - Organizing process, improving the efficiency of processes, and continuous improvement
- Q.9** The expenses paid to workers for overtime are considered as?
- Variable cost
  - Fixed cost
  - Dependent cost
  - Total cost
- Q.10** The term "Marketing" refers to?
- Promotion of the product
  - Focusing on sales and profit.
  - Strategizing and implementing the organization process
  - Set of activities of deliver customer value and satisfaction

### **SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- What is assembly production?
- Define productivity
- What do you understand by assembly process?
- What is line balancing?
- Write the importance of break-even point.
- Define remedial inspection.
- What do you understand by acceptance sampling.
- Define Kaizen.
- Write the importance of standards and codes.
- Define estimation.

### **SECTION-C**

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Distinguish between job production and batch production.
- Write the various methods of productivity measurement. Explain any two methods.
- Write short note on flexible manual assembly line.
- Write the role of Partial automation in assembly system and life balancing.