

QUESTION BANK

UNIT-III

| Unit-III SHORT ANSWER QUESTIONS. |  |     | L3 | 1,3,6,7 |
|----------------------------------|--|-----|----|---------|
| 1                                | Give a comparative statement in the location study of a rural it and urban site  | CO3 | L3 | 1,3,6,7 |
| 2                                | List out Mother's principles of layout?  | CO3 | L3 | 1,3,6,7 |
| 3                                | State the factors to be considered for location of plant.  | CO3 | L3 | 1,3,6,7 |
| 4                                | State the steps involved in RPW method for line balancing problem  | CO3 | L3 | 1,3,6,7 |
| 5                                | What are the factors which determine the appropriate span of management?   | CO3 | L3 | 1,3,6,7 |
| 6                                | What is allowance? What are the different types of allowances to be considered in establishing standard time?  | CO3 | L3 | 1,3,6,7 |
| 7                                | Is it important to have a good product development process? What do firms gain from this?  | CO3 | L1 | 1,3,6,7 |
| 8                                | What are the different types of layouts? How should an organization decide on which layout to choose?  | CO3 | L2 | 1,3,6,7 |
| <b>LONG ANSWER QUESTIONS</b>     |  |     |    | 1,3,6,7 |
| 1                                | Define continuous production. List out its characteristics.  | CO3 | L1 | 1,3,6,7 |
| 2                                | Design the best suitable layout plan for a cool drink/ beverage bottling factory. (Assume the data and required operations arbitrarily).   | CO3 | L1 | 1,3,6,7 |
| 3                                | Write the characteristics of the following methods of production<br>a) Job order b) Batch and c) Mass.   | CO3 | L1 | 1,3,6,7 |
| 4                                | Explain features, advantages, limitations and suitability of following layouts:  | CO3 | L2 | 1,3,6,7 |
|                                  | a) Product layout b) Process layout c) Fixed position layout.  |     |    |         |
| 5                                | Distinguish between cost and value. What are different types of values? Explain with examples.   | CO3 | L1 | 1,3,6,7 |
| 6                                | What is value analysis? Explain in detail.   | CO3 | L1 | 1,3,6,7 |
| 7                                | Explain briefly travel chart? What type of layout do you think might be appropriate for the manufacture of the V- belt pulley, discuss.  | CO3 | L2 |         |
| 8                                | Discuss the main objective which a factory planning engineer should attempt to achieve when designing a plant layout. Explain what is meant by a travel chart and show how such a chart can be of use in determining the best relative location of departments in a factory? | CO3 | L1 | 1,3,6,7 |
| 9                                | Is layout design for a service organization any different from that of a manufacturing organization? Explain your answer in detail?  | CO3 | L1 | 1,3,6,7 |
| 10                               | Explain briefly travel chart? What type of layout do you think might be appropriate for the manufacture of the V- belt pulley, discuss.  | CO3 | L3 | 1,3,6,7 |