 

Question Paper Code: QE1243

B.E./B.TECH. DEGREE EXAMINATIONS, .!frame.!entry5

Continuous Assessment II

Second Semester

CS3451 - Java

# **Part-A (5 X 2 = 10 Marks)**

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| Q.No | Questions | CO’s | Bloom’s Level |
| 4 | What is work sampling? | CO2 | K1 |
| 2 | What are the objectives of method study? | CO2 | K1 |
| 6 | Define – Outline Process Chart | CO2 | K1 |
| 5 | Distinguish between in-process inventory, safety stock inventory and seasonal inventory |  |  |
| 4 | What is inventory control? | CO5 | K1 |

# **Part-B (2 x 13 = 26 Marks)**

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| Q.No | Questions | CO’s | Bloom’s Level |
| 3 | A manufacturer sells an item for Rs. 13 per unit. He incurs a fixed cost of Rs. 60,000 and a variable cost of Rs. 8 unit. Find the break even production quantity and also the no. of units to be produced to get a profit of Rs. 12000. | CO1 | K2 |
| 2 | Explain the detailed notes on: i) Standardisation ii) Simplification iii) Specialisation | CO1 | K2 |
| 3 | Explain about the EOQ? Derive the expression for EOQ when the demand of the item is uniform, the production rate is infinite and no stock-outs are allowed. | CO5 | K2 |
| 1 | A manufacturer has to supply his customers 3600 units of his product per year. Shortages are not permitted. Inventory carrying cost amounts Rs. 12 per uit per annum. The set up cost per run is Rs. 80. Find (i) Economic order quantity (ii) Optimum number of orders per annum (iii) Average annual inventory cost (iv) Optimum period of supply per optimum order. | CO5 | K2 |

# **Part-C (1 x 14 = 14 Marks)**

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| 4 | Explain in detail the production aspects of product design | CO1 | K2 |
| 2 | Explain in brief the steps involved in conducting the method study procedure. | CO2 | K2 |