 

Question Paper Code: sfa

B.E./B.TECH. DEGREE EXAMINATIONS, 2024

Continuous Assessment II

3 Semester

sf - sadfsf

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

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| Q.No | Questions | CO’s | Bloom’s Level |
| 1 | What are the types of production? | CO1 | K1 |
| 2 | Define – Durability | CO1 | K1 |
| 3 | What is string diagram? | CO2 | K1 |
| 4 | What is memo motion study? | CO2 | K1 |
| 5 | What is the information required for process planning? | CO3 | K1 |
| 6 | Compare and contrast the manual process planning with CAPP. b. Explain the steps involved in product planning. | CO3 | K2 |
| 7 | What are the advantages of Gantt load chart? | CO4 | K1 |
| 8 | What is master scheduling? | CO4 | K1 |
| 9 | What is Re-order point (Or reorder level)? | CO6 | K1 |
| 10 | Distinguish between in-process inventory, safety stock inventory and seasonal inventory |  |  |

# **Part-B (2 x 15 = 30 Marks)**

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| Q.No | Questions | CO’s | Bloom’s Level |
| 11. a. | Explain the detailed account of the various factors considered while designing a product. | CO1 | K2 |
| 11. b. | 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 |
| 12. a. | Explain the principles of motion economy as applied to the use of human body, arrangement of workplace and design of tools and equipment. | CO2 | K2 |
| 12. b. | Discuss the various steps involved in conducting a stopwatch time study. | CO2 | K2 |
| 13. a. | Discuss about the machine loading? Also enumerate the various methods to the cycle time to a minimum. | CO3 | K2 |
| 13. b. | A gear manufacturer has gear shaper and gear hobbers. The gear can be processed on gear shaper as well as gear hobber. The following is given. Which of the two machines will you choose to do the job if the order quantity is (i) 1000 numbers and order is unlikely to repeat and (ii) 1000 numbers and the order is likely to repeat for 3 years? | CO3 | K2 |
| 14. a. | Explain the various techniques adopted for aligning completion time and due dates. | CO4 | K2 |
| 14. b. | Summarize about the product control systems? Explain, in detail, the various steps involved in the product control systems process. | CO4 | K2 |
| 15. a. | Explain detailed about the JIT? Explain its significance in the JIT with suitable example and application | CO6 | K2 |
| 15. b. | Discuss in detail about the P and Q systems of inventory replenishment along with their merits and demerits. | CO6 | K2 |