



|  | b. | Apply Finite Scheduling in a suitable industry and explain why industries use this approach. <br> By Applying infinite scheduling Identify the type of software that will be used in this type of approach. Explain with reasons the characteristic features of the businesses that have to use this approach. | 6 | $\begin{gathered} \text { Level } \\ 3 \end{gathered}$ | $\begin{gathered} \mathrm{CO} \\ 3 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | c. | "Capacity Requirement Planning (CRP) and Rough-Cut Capacity Planning (RCCP) are both crucial components of a capacity planning exercise in manufacturing" <br> Apply different strategies for altering the capacity to justify the above statement. | 6 | $\begin{gathered} \text { Level } \\ 3 \end{gathered}$ | $\begin{gathered} \text { CO } \\ 3 \end{gathered}$ |
| Q. 5 |  | Answer Any two from the following |  |  |  |
|  | a. | "MPS is a single level planning whereas MRP is a multilevel Planning" In light of this statement Explain the similar \& differentiating features of MPS \& MRP | 6 | $\begin{gathered} \text { Level } \\ 2 \end{gathered}$ | $\begin{gathered} \text { CO } \\ 2 \end{gathered}$ |
|  | b. | When we state that "MRP II was developed as the second generation of MRP", illustrate additional features/refinements provided in this higher-level software. | 6 | $\begin{gathered} \text { Level } \\ 2 \end{gathered}$ | $\begin{gathered} \text { CO } \\ 2 \end{gathered}$ |
|  | c. | What is the major design consideration in the product layout which has culminated in assembly lines? What are the merits and demerits of assembly lines? Based on behavioural sciences, what are the current trends in assembly line design? What is a mixed-model assembly line? | 6 | $\begin{gathered} \text { Level } \\ 2 \end{gathered}$ | $\begin{gathered} \mathrm{CO} \\ 2 \end{gathered}$ |
| Q. 6 |  | Answer Any two from the following. |  |  |  |
|  | a. | What is the critical factor in process layout model? For estimating the flows between different work centres there are different modelling tools / techniques available. Name and explain them briefly. | 6 | Level $1$ | $\begin{gathered} \text { CO } \\ 1 \end{gathered}$ |
|  | b. | After advent of ERP, MRP II does not exist as an independent software. However MRP is still available in today's market. Define the techno commercial aspects/features of MRP \& ERP systems to explain this phenomenon | 6 | Level $1$ | $\begin{gathered} \mathrm{CO} \\ 1 \end{gathered}$ |
|  | c. | i. What are "Best Practices" in the systems offered by global ERP vendors? <br> ii. Why do they insist on not customising them but to be implemented on "as is" basis? <br> iii. How deployment methods of ERP have evolved and what issues need to be considered during implementation of ERP system | 6 | Level $1$ | $\begin{gathered} \text { CO } \\ 1 \end{gathered}$ |

