Program: BE Mechanical Engineering

Curriculum Scheme: Revised 2016

Examination: Fourth Year Semester VII

Course Code: MEC703 and Course Name: PPC

Time: 1hour Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

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| Q1.  | A big advantage of PERT over Gantt charts is that in the former case |
| Option A: | activities and events are clearly shown |
| Option B: | early start and late finish of an activity are clearly marked |
| Option C: | critical path can be easily determined |
| Option D:  | inter-relationship among activities is clearly shown |
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| Q2. | Which MRP system is also called as close loop MRP |
| Option A: | MRP-I |
| Option B: | MRP-II |
| Option C: | ERP |
| Option D: | MRP-III |
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| Q3. | Which of the following is NOT quantitative method of sales forecasting |
| Option A: | Trend analysis method |
| Option B: | Market survey method |
| Option C: | Exponential smoothing method  |
| Option D: | Least square method |
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| Q4. | Job shop and batch processing are differentiated on the basis of: |
| Option A: | Job requirements  |
| Option B: | Degree of standardization |
| Option C: | Volume of output |
| Option D: | Job input |
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| Q5. | Efficiency is given by |
| Option A: | Actual output divided by design capacity |
| Option B: | Capacity divided by utilization |
| Option C: | Effective capacity divided by actual output |
| Option D:  | Actual output divided by effective capacity |
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| Q6. | The process of comparing outputs to previously established standards to determine if corrective action is needed is called:  |
| Option A: | Planning |
| Option B: | Directing |
| Option C: | Controlling |
| Option D:  | Budgeting |
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| Q7.  | Inventory cost per product in intermittent production is:  |
| Option A: | Higher |
| Option B: | Lowest |
| Option C: | Medium |
| Option D:  | Abnormal |
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| Q8.  | The range of Long-range forecasting period may be approximately:  |
| Option A: | 1 to 2 weeks  |
| Option B: | 2 to 3 months |
| Option C: | 1 year |
| Option D:  | above 5 years |
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| Q9. | Is a plan for the production of individual end items? |
| Option A: | MPS |
| Option B: | JIT |
| Option C: | MRP II |
| Option D:  | MRP |
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| Q10.  | The cost of a \_\_\_\_\_\_\_\_\_ that is too large equals the cost of turning away business. |
| Option A: | production plan |
| Option B: | backlog |
| Option C: | resource plan |
| Option D:  | capacity plan |
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| Q11.  | Decisions relating to the sales and operations planning (aggregate planning) involve:  |
| Option A: | Short-term forecasts |
| Option B: | Medium-term forecasts |
| Option C: | Long-term forecasts |
| Option D:  | Both short-term and medium-term forecasts |
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| Q12. | Work study is related with |
| Option A: | Improving present method & finding standard time |
| Option B: | Improving production capability |
| Option C: | Motivation to workers |
| Option D: | Improving production planning & control |
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| Q13. | CPM has following time estimate |
| Option A: | one time estimate |
| Option B: | two time estimate |
| Option C: | three time estimate |
| Option D:  | four time estimate |
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| Q14.  | An assembly line consists of 5 tasks with times of 12, 9, 8, 7, and 11 minutes. The cycle time for the line is 25 minutes. The theoretical minimum number of workstations for this situation is |
| Option A: | 2 |
| Option B: | 3 |
| Option C: | 4 |
| Option D:  | 1 |
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| Q15. |  ‘Buffer stock’ is the level of stock |
| Option A: | Half of the actual stock |
| Option B: | At which the ordering process should start |
| Option C: | Minimum stock level below which actual stock should not fall |
| Option D:  | Maximum stock in inventory |
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| Q16.  | Gantt charts are used for |
| Option A: | Forecasting sales |
| Option B: | Production schedule |
| Option C: | Scheduling and routing |
| Option D:  | Linear programming |
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| Q17. | JIT stands for  |
| Option A: | Just in time purchase  |
| Option B: | Just in time production |
| Option C: | Just in time use of materials |
| Option D: | Just in time order the material |
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| Q18. | Production planning in the intermediate range of time is termed as  |
| Option A: | Production planning. |
| Option B: | Long range production planning. |
| Option C: | Scheduling. |
| Option D:  | Aggregate planning. |
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| Q19.  | Value analysis is particularly of interest when |
| Option A: | Jobbing work economics are involved |
| Option B: | Production is on large scale |
| Option C: | Only few components are involved |
| Option D:  | Costly equipment is used |
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| Q20. | "The time period between placing the order & receiving the placed order is called as" |
| Option A: | Lead time |
| Option B: | Waiting time |
| Option C: | Takt time |
| Option D: | Cycle time |
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| Q21. | In Process Planning we plan:  |
| Option A: | Different machines required |
| Option B: | Different operations required |
| Option C: | We plan the flow of material in each department |
| Option D:  | We design the product. |
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| Q22.  | In aggregate planning, one of the methods in modification of demand is:  |
| Option A: | Differential Pricing |
| Option B: | Lay off of employees |
| Option C: | Over time working |
| Option D:  | Sub-contracting. |
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| Q23. | "The list of quantities of the components, ingredients and materials |
| Option A: |  required to produce a product is the?" |
| Option B: | Bill of material |
| Option C: | Engineering change notice |
| Option D:  | Purchase order |
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| Q24.  | For production planning:  |
| Option A: | Forecasting is not useful |
| Option B: | Medium term forecasting is useful |
| Option C: | Long term forecasting is useful |
| Option D:  | Short term forecasting is useful  |
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| Q25. | Which of the following is NOT a type of inventory? |
| Option A: | ABC |
| Option B: | Finished goods |
| Option C: | Raw material |
| Option D:  | Work in progress |