Part – A

(Attempt all questions. Each sub question carries 1 mark)

Q1) Give the full form of

1) FCFS  2) EDD  3) MADM  4) PERT

5) SQC  6) SMED  7) BOM  8) WWRT

Q2) Write True or False

1) Time series forecasting is also known as intrinsic method.

2) Industrial robots are not material handling equipment.

3) CRAFT is a software for layout analysis.

4) Product layout is inflexible.

5) Material handling does not create place utility.

6) Daylight does not provide uniform lighting throughout the building.

7) Artificial light is less expensive.

8) Lathe machine is NC machine.

Q3) Fill in the blanks

1) MCDA is a tool for ________________.

2) Least square method is used for ________________.

3) Supply of air to an enclosed space is called ________________.
4) RO plant is used for controlling _______________.
5) CEPP is used for _______________.
6) The more complex the life, greater is the rate of _______________.
7) Bonus is a _______________ incentive.
8) Basic time is observed time multiplied by _______________.

Q4) Match the following

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) JIT</td>
<td>a) Control technique</td>
</tr>
<tr>
<td>2) SQC</td>
<td>b) Continuous</td>
</tr>
<tr>
<td>3) KAIZEN</td>
<td>c) Least inventory</td>
</tr>
<tr>
<td>4) Flowcharting</td>
<td>d) Quality Control</td>
</tr>
<tr>
<td>5) Allowances</td>
<td>e) Adopting the new</td>
</tr>
<tr>
<td>6) Time series</td>
<td>f) Inventory recording</td>
</tr>
<tr>
<td>7) Deming</td>
<td>g) Demand forecasting</td>
</tr>
<tr>
<td>8) FIFO</td>
<td>h) Fatigue</td>
</tr>
</tbody>
</table>

Part – B 48 marks

(Answer any 3 questions out of 5 questions. Each sub-question carries 16 marks.)

Q5) Write short note on any 2 of the following: (2 x 8 =16 marks)

1. JIT
2. PERT
3. SQC
4. Process Layout

Q6) Explain the important factors to be considered in Plant Layout.

Q7) Discuss in detail, the benefits of MRP.

Q8) Discuss the functions of Purchase department.

Q9) Define the term ‘Productivity’ and bring out its importance.
Part – C

Q.10) Case study: (compulsory) 20 Marks

Select any Chemical or Automobile or Mining Industry and explain the different Material Handling equipment used.

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