



INDIAN INSTITUTE OF MATERIALS MANAGEMENT
Post Graduate Diploma in Materials Management

June 2015

Graduate Diploma in Materials Management
PAPER No. 8(New)
Operations Management

Date: 16.06.2015

Max. Marks: 100

Time: 10.00 a.m. to 1.00 p.m.

Duration: 3 Hrs.

Instructions:

1. From Part A – answer all questions (compulsory). Each sub questions carries 1 mark. **Total: 32 Marks**
 2. From Part B – Answer any 3 questions out of 5 questions. Each sub-question carries 16 marks. **Total : 48 Marks**
 3. Part C is a case study (compulsory) with questions. Read the case study carefully and answer the questions. **Total: 20 Marks**
 4. Please read the instructions given in the answer sheet.
-

Part – A

32 Marks

(attempt all questions Each sub questions carries 1 mark)

Q1 . GIVE THE FULL FORM OF:

1. SBU –
2. FMS –
3. MADM –
4. ETP –
5. EOQ –
6. CAM –
7. SQC –
8. WWRP –

Q2. STATE WHETHER TRUE OR FALSE:

- 1) Cost of a special die/mold, is a direct cost.
- 2) LEAN manufacturing has a flat team base structure.
- 3) MRP is a basic of ERP.
- 4) HOISTS is overhead device.
- 5) GANTT chart is quality control chart.
- 6) Average outgoing quality curve is not an attribute of acceptance sampling.

7) Job enrichment is a part of good job design.

8) A KAIZEN Team is a voluntary group.

Q. 3 FILL IN THE BLANKS:

1) Project is type of _____.

2) _____ is an intangible product.

3) Cluster analysis is a _____ technique.

4) DOE(Design of experiment) & TM (Togachi Method) are _____ statistical techniques.

5) A specific product model is use in _____ short range planning.

6) Minimum Inventory is required in _____ management.

7) _____ layout refers to the movement of man & materials to the product which remains stationary.

8) PARETO analysis is a tool of _____.

Q.4 MATCH THE FOLLOWING:

Column A

- 1) Corporate strategy
- 2) KAIZEN TEAM
- 3) DRUM BUFFER ROPE
- 4) Workers Job
- 5) Extrusion
- 6) Day light
- 7) Supply of portable water
- 8) Local chart

Column B

- Load Schedule
- Sanitation
- No load sharing
- Forming process
- Quality at the source
- Theory of constrain
- Top level management
- Quality circle

Part – B

48 marks

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

Q.5 Explain in detail ERP

Q.6 Explain in detail PLC.

Q.7 Explain Objectives of operation strategy.

Q.8 Explain different stages of purchase cycle

Q.9 Distinguish between product layout and process layout

Part – C

Q. 10

20 marks

(A). Find the Trend Value and estimate the Sale for the year 2016:

Year	2010	2011	2012	2013	2014
Sales in Rs. lakhs	15	18	17	19	21

(B) FIND ROC MAXIMUM LEVEL, MINIMUM LEVEL, AVERAGE LEVEL:

Maximum usage – 12000 kg.

Minimum usage – 4000 kg

ROQ – 16000

Lead time – 3 weeks - 5 weeks
