

BBA (H) Semester IV Examinations, 2022
Subject: Production and Materials Management
Paper: BBA-4.3

Time: 4 Hours

Full Marks: 80

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

Answer Q. 1 and any five from the rest.

1. **Answer any ten questions:** **2 × 10 = 20**
 - (a) What do you mean by production system?
 - (b) Define 'Mass Production'.
 - (c) What is product design?
 - (d) What is 'routing'?
 - (e) Define 'productivity'.
 - (f) Define the term 'motion study'.
 - (g) Define 'Economic Order Quantity (EOQ)'.
 - (h) Define 'Total Quality Management (TQM)'.
 - (i) Define 'Partial Productivity Measure'.
 - (j) What is scheduling?
 - (k) What is material budgeting?
 - (l) What is 'lead time'?
 - (m) What do you mean by process charts?
 - (n) What is meant by JIT inventory?
 - (o) What do you mean by '3S' in materials management?

2.
 - (a) Define operations management. State the objectives of operations management.
 - (b) Briefly discuss the characteristics of batch production. 6+6=12

3.
 - (a) Explain the need for selecting a suitable plant location.
 - (b) Briefly discuss on the 'Dimensional Analysis' technique on location of facilities problem. 5+7=12

4.
 - (a) Explain the major principles of plant layout.
 - (b) Bring out the differences between product layout and process layout. 7+5=12

5. Discuss the functions of production planning and control. 12

6.
 - (a) Define the term 'work study'. What are the aims of work study?
 - (b) Make a distinction between work sampling and time study.
 - (c) List out the advantages of work measurement. 5+3+4=12

7.
 - (a) Define 'work measurement'. List out the techniques of work measurement.
 - (b) The total observed time for an operation of assembling an electric switch is 1 minute. If the rating is 120%, find the normal time. If an allowance of 10% is allowed for the operation, determine the standard time. 6+6=12

P.T.O.

8. (a) Discuss the fundamental factors affecting quality. 6+6=12
(b) What do you mean by TQM? Explain the benefits of TQM.
9. (a) What do you mean by materials management? Bring out its importance. 6+6=12
(b) Define 'Materials Requirement Planning (MRP)'. State its objectives.
10. Write notes on any two: 6×2=12
(a) Material Requirement Planning (MRP)
(b) Bill of Materials (BOM)
(c) Economic Order Quantity (EOQ)
