

**Section–C****2×16=32****(Long Answer Type Questions)**

*Note* :- Answer any *two* questions. You have to delimit your each answer maximum up to **500** words. Each question carries 16 marks.

10. Explain selective inventory control methods with suitable examples.
11. Explain various techniques for recording in method study.
12. The table below gives the processing time (in hours) for five jobs A to E on two machines  $M_1$  and  $M_2$ . Sequence these jobs optimally and compute the cycle time and idle time on both machines :

Jobs	A	B	C	D	E
$M_1$	6	5	4	10	3
$M_2$	2	6	8	7	11

13. (a) Write a detailed note on Maintenance management.
- (b) Briefly define types of maintenance practices used in industry.

*MP–109/MP–204 (Old)/4* ( 4 )

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**MP–109/MP–204(Old)****June – Examination 2024****M.B.A. (Ist Year) Examination****OPERATIONS MANAGEMENT****Paper : MP–109/MP–204 (Old)***Time : 3 Hours ]**[ Maximum Marks : 80*

*Note* :- The question paper is divided into three Sections A, B and C. Write answers as per the given instructions.

**Section–A****8×2=16****(Very Short Answer Type Questions)**

*Note* :- Answer all questions. As per the nature of the question delimit your answer in one word, one sentence or maximum up to **30** words. Each question carries 2 marks.

*MP–109/MP–204 (Old)/4* ( 1 )

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1. (i) Name methods of forecasting.
- (ii) Define *two* objectives of work study.
- (iii) Name the four companies of FMCG sector.
- (iv) Determine labour productivity for the data are, 5 workers installed 1000 square yards of carpeting in 10 hours.
- (v) Explain the concept of job design.
- (vi) Explain term supply chain Management.
- (vii) What is the meaning of six sigma ?
- (viii) Explain the term economic order quantity.

**Section-B** **4×8=32**

**(Short Answer Type Questions)**

*Note* :- Answer any *four* questions. Each answer should not exceed **200** words. Each question carries 8 marks.

2. Explain the role and responsibilities of an operation manager with suitable example.
3. What are the factors which affects job design ?

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4. A workshop operates on two shifts of 8 hours per day. It has 10 Machines. It works for 6 days a week, machine utilization is 90% and the efficiency of machine is 85%. Calculate the designed/rated capacity of the workshop in hours.
5. Name different maintenance practice adopted by a continuous manufacturing plant. Also define reliability centered maintenance practice.
6. Explain the six sigma methodology for elimination of defects.
7. Draw the diagram of supply chain management for dairy milk products. Explain the key drivers in dairy milk products company. Also write *two* initiatives for improving the customer satisfaction.
8. Define stages of six sigma. How six sigma being used as a quality improvement tool for passenger four vehicle segment ?
9. Distinguish between different types of production system and provide an example of suitable type of industry for each of them.

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