



# BRAINWARE UNIVERSITY

Library  
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Term End Examination 2023

Programme – MBA-2018/MBA-2019/MBA-2020/MBA-2021

Course Name – Production and Operations Management

Course Code - MBA203

( Semester II )

Full Marks : 60

Time : 2:30 Hour

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=1

1. Choose the correct alternative from the following :
- (i) Small orders are placed frequently in a concern for buying materials. Identify its impact on inventory cost.
- a) reduced  
b) increased  
c) either reduced or increased  
d) minimised
- (ii) Identify the nature of Production process that transform raw materials into outputs
- a) Irreversible process  
b) Reversible process  
c) Solid objects  
d) None of these
- (iii) When batches are small, the ratio of direct workers to supervisors is \_\_\_\_\_ and vice verse, in Batch Production. Choose the correct word to fill up the blank.
- a) Negative  
b) Lower  
c) Equal  
d) Higher
- (iv) Identify from the following where facility location selection is needed.
- a) When the existing business unit has outgrown its original facilities and expansion is not possible  
b) When a business is newly started  
c) When the lease expires and the landlord does not renew the lease  
d) When a business old
- (v) Judge from the following technique one that considers transportation cost in the determination of facility location
- a) Location rating factor technique  
b) Transportation technique  
c) Centre-of-gravity technique  
d) Both (b) and (c)
- (vi) Identify the alternative name of Process layout.
- a) Functional layout  
b) Batch production layout  
c) Straight line layout  
d) Both (a) and (b)



**Group-C**

(Long Answer Type Questions)

5 x 6=30

7. Explain ABC analysis in detail. (5)
8. Analyse the concept of replacement. Explain with example situations where it is required. (5)
9. Evaluate the sudden failure situation in detail. Also highlights different frequencies of sudden failure. (5)
10. An event has two time dimension. But an activity has four such different time dimensions. Evaluate this statement and justify. (5)
11. Explain what do you understand by sampling inspection plan. (5)
12. Explain the techniques PERT and CPM. Show their application. (5)

**OR**

Write concept of scheduling, along with forward and backward scheduling. (5)

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