



BRAINWARE UNIVERSITY

Brainware University 398, Ramkrishnapur Road, Barasat Kolkata, West Bengal-700125

Term End Examination 2023 Programme – MBA-2018/MBA-2019/MBA-2020/MBA-2021 Course Name – Production and Operations Management Course Code - MBA203 (Semester II)

_	III Marks : 60	Time : 2:30 Hour	
	The figure in the margin indicates full marks. Candic words as far a		
	Gro	up-A	
1.	(Multiple Choice Choose the correct alternative from the following		
(i	Small orders are placed frequently in a concern inventory cost.	for buying materials. Identify its impact on	
(ii)	a) reducedc) either reduced or increased) Identify the nature of Production process that	b) increasedd) minimisedtransform raw materials into outputs	
(iii)	 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. 		
(iv)	a) Negativec) EqualIdentify from the following where facility local	b) Lower d) Higher Ition 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 determination of facility location			
(v.:)	a) Location rating factor techniquec) Centre-of-gravity techniqueIdentify the alternative name of Process lay	b) Transportation technique d) Both (b) and (c) out.	
(vi)	a) Functional layout	b) Batch production layout	

c) Straight line layout

d) Both (a) and (b)

(vii) Indicate from the given alternatives a point, that layout	is not an advantage of using product	
a) Minimum material handling cost	b) Minimum inspection requirement d) None of these	
(viii) Which of the following is the ultimate effect of in a) Poor Planning c) Low Productivity (ix) Consider the production type where Product layer	b) Poor Machine Utilization d) Poor Customer Service	
 a) Job production c) Mass production (x) Identify the type organization that is preferred in a) Functional organization 	b) Batch production d) All of these automobile industry b) Line organization	
c) Staff organization(xi) Application of Process layout is not observed	d) Line and staff organizationb) Where similar jobs are manufactured	on
a) Where low volume of production is requiredc) Where machines are arranged on functional basis	machine d) Where diverse jobs are manufactured machines	
 (xii) Select the type of layout which is preferred to available and a product Layout c) Group Layout (xiii) Select the statement that is not a part of maintenance 	b) Process Layout d) Static Layout	
 a) What is to be maintained c) Manager (xiv) Examine and select that statement that is not incommaintenance 	b) How is it be maintained d) Where to be maintained dicating advantage of corrective	
 a) Disrupt production process causing delays c) Low maintenance costs (xv) Identify the plans to select the correct one wher dispatching are needed. 	b) Optimizes inspection costs d) Low cost replacement e job scheduling,machine loading, and	
a) long-range plansc) intermediate-range plans	b) short-range plansd) strategic planning	
Grou		25.45
(Short Answer T	ype Questions)	3 x 5=15
 Write the selection criteria for the suitable location Describe maintenance activity. State types of maint From your basic knowledge, classify materials unde Evaluate TF, FF and IF and select which one or more Analyse principles of materials handling. 	enance. ordifferent heads and give example. or can have negative value.	(3) (3) (3) (3)
O Explain site selection technique under variable weig		(3)

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	(5)
	failure.	
10.	An event has two time dimension. But an activity has four such different time dimensions.	(5)
	Evaluate this statement and justify.	
1.	Explain what do you understand by sampling inspection plan.	(5)
	Explain the techniques PERT and CPM. Show their application.	(5)
	OR	
٧	Write concept of scheduling, along with forward and backward scheduling.	(5)
