



BRAINWARE UNIVERSITY

Brainware University
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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 Hours

[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=15

- Choose the correct alternative from the following :
- (i) Analyse understated statements and select the wrong one.
 - a) When slack of an activity is zero, it falls only on critical path
 - direct and indirect expenses
 d)
 None of them
 - c) Critical path of a network represents the minimum time required for completion of project
- (ii) Evaluate different times given below and judge the time which results in the least possible direct cost of an activity.
 - a) Normal time

b) Slow time

c) Crash time

- d) Standard time
- (iii) Evaluate statements given in the question. A critical ratio scheduling.......
 - a) Establishes the relative priorities among various activities on a common basis
- b) Determines the status of each activity

b) CPM technique is useful to minimize the

- c) Adjusts automatically changes in activity progress
- d) None of them
- (iv) Analyse understated statements select wrong one.
 - a) An activity consumes time and resources whereas an event does not consume time or resources
- b) The performance of a specific task is called an activity
- c) An event is an instantaneous point in time at which an activity begins or ends
- d) The turning of a job on the lathe is an event whereas job turned is an activity
- (v) Which of the following is the first step in making a correct location choice?
 - a) Decide the criteria for evaluating location alternatives
- b) Evaluate the alternatives

c) Evaluate the alternatives

d) Make a decision and select the location

(vi) Write the type of layout where materials are fed products come out of the last machine	I into the first machine and finished
a) Product layout c) Fixed position layout (vii) Evaluate different layouts and select the correct	b) Process layoutd) Cellular manufacturing layoutone suited to job production
 a) Process Layout c) Fixed Position Layout (viii) Identify disadvantage of product layout 	b) Product Layout d) Fixed Position Layout
 a) High initial investment for the specialized facilities 	b) Skilled labour to operate machines
c) Production time is longer, requiring more goods in inventory	d) High cost of inspection
(ix) Identify the alternative from below, that is not a	part of corrective maintenance
 a) Over used equipment c) Failure to properly lubricate parts (x) Which of the following is related to Quality Conf 	b) Ignoring minor faults d) Remove before failure trol?
 a) Control charts c) Whole lot inspection (xi) Identify the statement that is not a part of Inver 	b) On site inspection d) All of these
a) Effective running of stores	b) State of merchandise methods of storing and maintenance
 c) Stock control system (xii) Identify from the following, opposite of just in the 	d) Closing of stores
a) Stock control	b) TQM
c) Just in case stock management (xiii) Select the correct formula of Economic Ordering consumed per year, P is the procurement cost p carrying cost per item	d) Kaizen g Quantity if A is the total items er order, and C is the annual inventory
a) AP/C(N)	b) 2AP/C(N)
c) v2(AP/C)/(Y) (xiv) State another name of Material management	d) (AP/C)/2(N)
a) distribution planning c) work planning	b) control and logistic management d) Both (a) and (b)
(xv) Apply your concept to judge the prevailing cond transportation using, conveyors.	ition that is not needed for material
 a) Loads are uniform c) Materials move relatively continuously 	b) Routes do not vary d) Routes varies
Group	
(Short Answer Ty	pe Questions) 3 x 5=1
 Explain in brief objectives of project management. Explain network analysis. Give some examples whe 	ere it is applied (3)
4. Explain carry cost and ordering cost with example.	(3)
5. Evaluate fundamentals underlying process control	chart (3) (3)
6. Define event/ nodes used in network analysis.	(3)
OR Describe from your basic knowledge merge event.	(3)
Group	o-C
Library (Long Answer Type Brainware University	

7.	Analyse the technique of representing activities in network diagram.	
	Evaluate the methods used in controlling the quality of manufactured product.	(5)
9.	Explain single sampling and double sampling.	(5)
10.	Discuss importance of statistical quality control in business with suitable example.	(5)
11.	With the help of suitable example and diagrams of total ordering cost, total carry cost, total carry cost curve and evaluate optimum ordering size.	(5)
12	. Analyse WBS and its. important	(5)
	OR	
	Explain advantages and limitations of mass production.	(5)
