

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.)–201306

POST GRADUATE DIPLOMA IN MANAGEMENT (2019 -21)
MID TERM EXAMINATIONS (TERM -V)
Academic Session- 2020-21

Subject Name: Material and Purchase Management
Sub. Code: PGO-01

Time: 01.30 hrs.
Max Marks: 20

Note:

- 1. Writing anything except Roll Number on question paper will be deemed as an act of indulging in unfair means and action shall be taken as per rules.**
- 2. All questions are compulsory in Section A, B & C. Section A carries 1 Case Study of 8 marks. Section B carries 3 questions of 2 marks each and Section C carries 2 questions of 3 marks each.**

SECTION – A

04+04 = 08 Marks

Q. 1: Case Study:

Scenario 1: The Hawkins Supply company is currently faced with an inventory rotation problem. This difficulty stems from the fact that some supplies must be used prior to a stated expiration date. Upon receipt, a new shipment of these perishable items must be stacked beneath the boxes that are currently in inventory. A substantial amount of time is consumed in restacking the items according to their expiration dates.

Scenario 2: The JAW Bottling Company has recently introduced a new beer to the market called HEAVY. It is extra high in calories. It has been developed specifically for those people that enjoy feeling full after only one beer. The materials handling supervisors at JAW Bottling have been receiving complaints from lift truck drivers that cases of the new HEAVY beer are slipping off pallets during intra-plant movement and truck deliveries. Thus far the JAW engineering department has tried to eliminate or reduce case slippage through the use of the following methods: 1. Top case clamp on the fork truck. 2. Strapping cases to pallet. 3. Plastic wrapper around cases. 4. The use of a large size pallet with a retainer strip nailed along the edges.

Questions:

Q. 1 (A) In Scenario 1, Are there alternative solutions which might be effective to solve the problem of restacking?

Q. 1 (B) Using a method other than in Scenario 2, Can the case slippage problem be solved?

SECTION – B

02×03 = 06 Marks

Q. 2: A standard quantity of 0.25 Kg of material at a standard price of Rs. 3 per kg is allowed for the production of one unit of Product D. During the period, 450 Kg of material was used to make 1500 units of Product D. Calculate Material Quantity Variance.

Q. 3: Explain the objective and application of Acceptance Sampling.

Q. 4: What do you understand by Standardization?

SECTION – C

03×02 = 06 Marks

Q.5. Find the Optimal Sequence, total time elapsed & Idle time of the Machines.

Book	I	II	III	IV	V	VI
Machine A	30	120	50	20	90	110
Machine A	80	100	90	60	30	10

Q. 6. “MRP and JIT are essential IT tools for Material & Purchase Management”. Discuss.

Mapping of Questions with Course Learning Outcome

COs	Question Number(s)	Total Marks Allocated to the CO
CO1	6	3
CO2	1	8
CO3	2, 5	5
CO4	3	2
CO5	4	2

Note: Font: Times New Roman, Font size: 12.