

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(END SEMESTER EXAMINATION)**

**CLASS: BHMCT  
BRANCH: HMCT**

**SEMESTER : VII  
SESSION : MO/2024**

**SUBJECT: HM404 FOOD & BEVERAGE MANAGEMENT**

**TIME: 3 Hours**

**FULL MARKS: 50**

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

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|--|-----|----|----|
| Q.1(a) What are the different levels of competition? Explain all of them with suitable examples.   | [5] | 1  | 2  |
| Q.1(b) Compare between sole proprietorship and partnership business.   | [5] | 1  | 4  |
| Q.2(a) Briefly explain the factors that are to be considered while planning a menu.  | [5] | 2  | 2  |
| Q.2(b) The following table illustrates six selected items from the menu for an accounting period of two weeks. The total count of main courses chosen for the accounting period is 1520. | [5] | 2  | 4  |

Item Name	Cost Price (INR)	Selling Price (INR)	Item Count
Cesar Salad	130	410	320
Oyster Oxtail Soup	90	180	60
Smoked Salmon	220	640	90
Roast Lamb	170	550	480
Roast Turkey	200	480	180
Irish Stew	120	200	390

Perform menu item, menu mix and four box analysis.

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|--|-----|---|---|
| Q.3(a) ABC Pvt. Ltd., a company that specializes in making different types of chocolate and cookies. It uses 12000 tins of cocoa powder per year at a purchase price of Rs. 120/- per tin. The cost associated with placing an order is Rs. 300/- and carrying cost is 10% of the purchase price. The lead time is 7 days and annual working day is 275 days. Based on the given information, calculate the EOQ and re-order point (ROP).  | [5] | 3 | 3 |
| Q.3(b) Inventory records for the month of October 2024 reveal the following:<br>Opening inventory on the 1st of the month: 14 bottles of Rioja @ Rs. 7900/-<br>Purchased on the 7th of the month: 22 bottles of Rioja @ Rs. 8020/-<br>Purchased on the 15th of the month: 24 bottles of Rioja @ Rs. 7990/-<br>Purchased on the 18th of the month: 15 bottles of Rioja @ Rs. 7995/-<br>Purchased on the 18th of the month: 10 bottles of Rioja @ Rs. 8000/-<br>A physical inventory on the 31st of the month showed that 17 bottles remained in stock. Selling price is Rs. 14500 per bottle.<br>According to FIFO, LIFO, Average weighted price and Latest Purchase Price method calculate the value of closing stock, beverage cost and beverage cost%. | [5] | 3 | 3 |

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|--|-----|---|---|
| Q.4(a) Broadly explain Dual Card Kanban System with a diagram. | [5] | 4 | 2 |
| Q.4(b)   | [5] | 4 | 3 |

ABC Analysis		
ITEM	ANNUAL USAGE (UNIT)	UNIT COST (INR)
1	34	5
2	100	34
3	30	30
4	50	34
5	10	34
6	100	238
7	306	10
8	40	4.24
9	32	7.95
10	34	5

What are the appropriate ABC groups of inventory items?

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|---|-----|---|---|
| Q.5(a) What are the various types of operational budget? Explain all of them.                         | [5] | 5 | 2 |
| Q.5(b) Describe the fundamental steps involved in preparing a budget, explaining each step in detail. | [5] | 5 | 2 |