

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

**CLASS: BHMCT
BRANCH: HMCT**

**SEMESTER : IV
SESSION : SP/2023**

SUBJECT: HM212 FOOD AND BEVERAGE SERVICE - IV

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) | According to 'British System', the alcoholic strength of 'ABC vodka' is 30 Degree under Proof and 'XYZ whisky' is 22 degree over proof. Calculate the alcoholic strength of 'ABC vodka' and 'XYZ whisky' in 'American System'. | [5] 2 | 3 |
| Q.1(b) | Broadly explain patent still distillation method with a diagram. | [5] 1 | 2 |
| Q.2(a) | What are formulated condition of 'NORMAS'? | [5] 3 | 2 |
| Q.2(b) | Classify Scotch based on malting and explain all of them, | [5] 3 | 4,2 |
| Q.3(a) | Classify liqueur based on sweetness and strength and explain all of them. | [5] 4 | 4,2 |
| Q.3(b) | Differentiate between 'percolation' and 'maceration' method of liqueur manufacturing. | [5] 4 | 4 |
| Q.4(a) | What are the elements of cocktail? Explain all of them. | [5] 4 | 2 |
| Q.4(b) | Classify cocktail based on base used and explain all of them with at least two examples. | [5] 4 | 4,2 |
| Q.5(a) | Why are the following liquor licenses required? i) L1, ii) L2, iii) L3, iv) L4, & v) L5 | [5] 5 | 2 |
| Q.5(b) | Inventory records for the month of March'23 reveal the following: Selling Price per unit is Rs. 32000/- Opening inventory on the 1st of the month: 12 bottles of Glenmorangie @ Rs. 8010/- Purchased on the 7th of the month: 22 bottles of Glenmorangie @ Rs. 8030/- Purchased on the 15th of the month: 24 bottles of Glenmorangie @ Rs.7990/- Purchased on the 26th of the month: 15 bottles of Glenmorangie @ Rs. 7995/- A physical inventory on the 31st of the month showed that 20 bottles remained in stock. Calculate the value of closing stock, beverage cost and beverage cost% according to FIFO, LIFO, Average weighted price and Latest Purchase Price method. | [5] 5 | 3 |

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