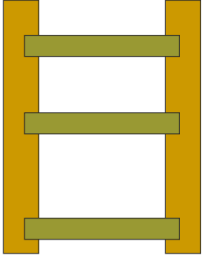


VPM's
DR VN BRIMS, Thane
Programme: MMS (2022-24)
Third Semester Regular Examination January - February 2024

| | | | |
|--|----------------------|--|----------------|
| Course Name: | Materials Management | Course Code | O308 |
| Roll No. | | Marks | 60 |
| Total No. of Questions | 6 | Duration | 3 Hours |
| Total No. of printed pages | 3 | Date | 06.02.2024 |
| Course Outcome Statements: | | | |
| CO1. RECALL basic terms and concepts associated with Materials Management. | | | |
| CO2. EXPLAIN the terms and concepts used in all aspects of materials management. | | | |
| CO3. Make Use of principles of materials management to SOLVE materials management problems. | | | |
| CO4. EXAMINE various aspects of materials management and the relevant characteristics of the materials management process from a data-driven decision perspective. | | | |
| CO5. ASSESS various factors of Materials Planning, Purchasing & Stores Accounting for material management decisions. | | | |
| CO6. PROPOSE material management solutions to business scenarios. | | | |
| Instructions: - | | | Marks |
| Q. No 1 (All Questions are Compulsory) | | | BL |
| | | | CO |
| Q. No. | | Questions | |
| Q. 1 | | Case Study | |
| | | Let's Party! | |
| | | <p>"Let's party!" is still echoing in your head as you leave your Principles of Purchasing class. Again, you ask yourself, "Why did I ever let myself run for class president?" Most of the people in the class were good, level-headed individuals who enjoyed a good time and you enjoyed working with them. But a small group from your class, who were known on campus as The Rowdies, often bullied their way on decisions affecting class activities. The decision to have a year-end party was right up their alley, and class had ended with a chanting session of "Let's party." It sounded like a wrestling match to you. Fortunately, your professor had left the room early to let you discuss with the class the idea of some kind of year-end get-together. The Rowdies had immediately suggested the Goat's Ear, a local hangout with not much to offer but cheap drinks. The rest of your classmates had put forth some other suggestions, but no consensus on a location could be reached between the members of your executive committee or the rest of the class. If you went to the Goat's Ear, most of the sane people in your class wouldn't attend, and even when you suggested more conventional locations, people couldn't agree because of factors such as the type of music played. Since there were only two weeks left until the end of regular classes, you felt that you had to make arrangements in a hurry. It wasn't difficult to identify the most popular possible locations, but getting agreement from this group was going to be difficult. One of your recent lectures was on supplier selection, and your professor had demonstrated the technique called the ranking or weighted-point method. It seemed simple enough in the lecture, and you had almost embarrassed yourself by asking the question "Why not just pick the least expensive supplier?" The thought occurred to you that there just might be some solution to your current problem in the professor's response, "One of the hardest things to do in any group, whether a business or a social club, is to get consensus on even the simplest choices."</p> <p>Put yourself in the position of the class president described in this case and answer following questions:</p> | |

| | a. | Analyse the case to perform a supplier rating analysis for the given situation. Include at least 6 factors and 4 options of restaurants with appropriate weightage. | 6 | Level 4 | CO4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|--|---------------------|---------------------------------|------------------------|---------------------|------------|----------|------------|-----|---|----|------|-------------|----------|----|----|--------|---|---------|---------|--|----------|----------|------------|----------|----------|------------|----------|------------|------|--|--|--|--|--|--|--|--|--|---------|---------|-----|----|------|--|--|--|--|--|---------|-----------|-----|----|------|--|--|--|--|--|---------|-----------|--|--|--|-----|----|------|--|--|---------|-----------|-----|----|------|--|--|--|--|--|---------|-----------|--|--|--|-----|----|------|--|--|--|--|--|----|----|------|--|--|--|--|--|-----|----|------|--|--|---------|-----------|-----|----|-------|--|--|--|--|--|---------|-----------|--|--|--|-----|----|------|--|--|---------|-----------|-----|----|------|--|--|--|--|--|---------|-----------|--|--|--|-----|----|------|--|--|--|--|--|-----|----|------|--|--|---------|-----------|-----|----|------|--|--|--|--|--|---------|-----------|--|--|--|-----|----|------|--|--|--|--|--|-----|----|------|--|--|---------|-----------|-----|----|------|--|--|--|--|--|---|---------|-----|
| | b. | Make the selection as indicated by the above (Q1 a)analysis. Justify why the analysis led to your selection and whether you would like to change any of the criteria or weights as per the requirement. | 6 | Level 5 | CO5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q. 2 | Answer Any one from the following. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. | <p>XYZ manufacturing company buys small engineering items from suppliers. Company is with multiple suppliers and now purchase manager decided to go for vendor evaluation due to revision of policy of single supplier. The different vendors have data as given below for last 50 orders with each of them.</p> <table border="1"> <thead> <tr> <th>Suppliers</th> <th>No. of Orders fulfilled on time</th> <th>No. of orders Accepted</th> <th>Cost offered in Rs.</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>40</td> <td>42</td> <td>380</td> </tr> <tr> <td>B</td> <td>42</td> <td>48</td> <td>395</td> </tr> <tr> <td>C</td> <td>47</td> <td>38</td> <td>415</td> </tr> </tbody> </table> <p>The criterion and its Weightage also specified as Quality = 0.50, Cost = 0.35, Delivery 0.15. Determine the best vendor by vendor evaluation.</p> | Suppliers | No. of Orders fulfilled on time | No. of orders Accepted | Cost offered in Rs. | A | 40 | 42 | 380 | B | 42 | 48 | 395 | C | 47 | 38 | 415 | 6 | Level 5 | CO5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Suppliers | No. of Orders fulfilled on time | No. of orders Accepted | Cost offered in Rs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 40 | 42 | 380 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 42 | 48 | 395 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 47 | 38 | 415 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. | If you are a purchase manager of a steel manufacturing company, and you come across a decision of Purchase or Lease, how you will Analyze the situation? | | Level 5 | CO5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q. 3 | Answer Any one from the following. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. | <p>Squizee ltd maintains its stores ledger on LIFO method basis. Following is the summary of the receipts and issues of raw materials during the month of June 2023:</p> <table border="1"> <thead> <tr> <th colspan="10">Stores Ledger Sheet</th> </tr> <tr> <th rowspan="2">Date</th> <th rowspan="2">Particulars</th> <th colspan="3">Receipts</th> <th colspan="3">Issues</th> <th colspan="2">Balance</th> </tr> <tr> <th>Quantity</th> <th>Rate Rs.</th> <th>Amount Rs.</th> <th>Quantity</th> <th>Rate Rs.</th> <th>Amount Rs.</th> <th>Quantity</th> <th>Amount Rs.</th> </tr> </thead> <tbody> <tr> <td>2023</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>June 01</td> <td>Balance</td> <td>200</td> <td>18</td> <td>3600</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>June 03</td> <td>P.O.NO.09</td> <td>300</td> <td>20</td> <td>6000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>June 07</td> <td>M.R.NO.14</td> <td></td> <td></td> <td></td> <td>250</td> <td>20</td> <td>5000</td> <td></td> <td></td> </tr> <tr> <td>June 11</td> <td>P.O.NO.09</td> <td>400</td> <td>22</td> <td>8800</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="3">June 16</td> <td rowspan="3">M.R.NO.16</td> <td></td> <td></td> <td></td> <td>400</td> <td>22</td> <td>8800</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>50</td> <td>20</td> <td>1000</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>100</td> <td>18</td> <td>1800</td> <td></td> <td></td> </tr> <tr> <td>June 19</td> <td>P.O.NO.21</td> <td>600</td> <td>20</td> <td>12000</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>June 22</td> <td>M.R.NO.18</td> <td></td> <td></td> <td></td> <td>300</td> <td>20</td> <td>6000</td> <td></td> <td></td> </tr> <tr> <td>June 24</td> <td>P.O.NO.24</td> <td>300</td> <td>25</td> <td>7500</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">June 26</td> <td rowspan="2">M.R.NO.26</td> <td></td> <td></td> <td></td> <td>300</td> <td>25</td> <td>7500</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>200</td> <td>20</td> <td>4000</td> <td></td> <td></td> </tr> <tr> <td>June 28</td> <td>P.O.NO.27</td> <td>200</td> <td>27</td> <td>5400</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td rowspan="2">June 29</td> <td rowspan="2">M.R.NO.32</td> <td></td> <td></td> <td></td> <td>200</td> <td>27</td> <td>5400</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>100</td> <td>20</td> <td>2000</td> <td></td> <td></td> </tr> <tr> <td>June 30</td> <td>P.O.NO.30</td> <td>150</td> <td>30</td> <td>4500</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Determine closing stock value for LIFO method</p> | Stores Ledger Sheet | | | | | | | | | | Date | Particulars | Receipts | | | Issues | | | Balance | | Quantity | Rate Rs. | Amount Rs. | Quantity | Rate Rs. | Amount Rs. | Quantity | Amount Rs. | 2023 | | | | | | | | | | June 01 | Balance | 200 | 18 | 3600 | | | | | | June 03 | P.O.NO.09 | 300 | 20 | 6000 | | | | | | June 07 | M.R.NO.14 | | | | 250 | 20 | 5000 | | | June 11 | P.O.NO.09 | 400 | 22 | 8800 | | | | | | June 16 | M.R.NO.16 | | | | 400 | 22 | 8800 | | | | | | 50 | 20 | 1000 | | | | | | 100 | 18 | 1800 | | | June 19 | P.O.NO.21 | 600 | 20 | 12000 | | | | | | June 22 | M.R.NO.18 | | | | 300 | 20 | 6000 | | | June 24 | P.O.NO.24 | 300 | 25 | 7500 | | | | | | June 26 | M.R.NO.26 | | | | 300 | 25 | 7500 | | | | | | 200 | 20 | 4000 | | | June 28 | P.O.NO.27 | 200 | 27 | 5400 | | | | | | June 29 | M.R.NO.32 | | | | 200 | 27 | 5400 | | | | | | 100 | 20 | 2000 | | | June 30 | P.O.NO.30 | 150 | 30 | 4500 | | | | | | 6 | Level 4 | CO4 |
| Stores Ledger Sheet | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date | Particulars | Receipts | | | Issues | | | Balance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Quantity | Rate Rs. | Amount Rs. | Quantity | Rate Rs. | Amount Rs. | Quantity | Amount Rs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2023 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 01 | Balance | 200 | 18 | 3600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 03 | P.O.NO.09 | 300 | 20 | 6000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 07 | M.R.NO.14 | | | | 250 | 20 | 5000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 11 | P.O.NO.09 | 400 | 22 | 8800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 16 | M.R.NO.16 | | | | 400 | 22 | 8800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 50 | 20 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 100 | 18 | 1800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 19 | P.O.NO.21 | 600 | 20 | 12000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 22 | M.R.NO.18 | | | | 300 | 20 | 6000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 24 | P.O.NO.24 | 300 | 25 | 7500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 26 | M.R.NO.26 | | | | 300 | 25 | 7500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 200 | 20 | 4000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 28 | P.O.NO.27 | 200 | 27 | 5400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 29 | M.R.NO.32 | | | | 200 | 27 | 5400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 100 | 20 | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| June 30 | P.O.NO.30 | 150 | 30 | 4500 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | b. | consider a scenario where a restaurant is deciding on the quantity and sourcing of fresh produce for its menu. Break down the cost-effectiveness of bulk purchasing versus just-in-time ordering for fresh produce. Analyze the financial implications of each approach, considering factors such as storage costs and potential waste? | 6 | Level 4 | CO4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q. 4 | Answer Any two from the following. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. | Apply the principles of store preservation in a materials management context by proposing specific strategies and methods that could be implemented to safeguard various types of dairy products within a storage facility. | 6 | Level 3 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. | Apply the stages of disposal in a materials management context by developing a practical plan for the systematic and environmentally responsible disposal of obsolete or excess inventory. | 6 | Level 3 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. | Fabrizeal produce file cabinets. Each cabinet is made up of 2 side boards and 3 shelves.  | 6 | Level 3 | CO3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <tr> <td colspan="6">Item – File Cabinet</td> <td colspan="6">Safety Stock = 0 Units</td> </tr> <tr> <td colspan="6"></td> <td colspan="6"></td> </tr> <tr> <td colspan="6"></td> <td colspan="6">Lot Size = FOQ (80)</td> </tr> <tr> <td colspan="6"></td> <td colspan="6">Lead Time = 2 Weeks</td> </tr> <tr> <td>Period</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> </tr> <tr> <td></td> <td></td> <td>120</td> <td>95</td> <td></td> <td>200</td> <td></td> <td></td> <td>25</td> <td></td> <td>60</td> <td></td> <td></td> </tr> </table> <p>Sideboards: currently 30 on hand 300 scheduled to arrive in week 1 produced LFL. lead time of one week Shelves: currently 20 on hand 260 scheduled to arrive in week 1 produced LFL. lead time of one week. Apply MRP principles to determine how many and when to produce sideboards & shelves</p> | Item – File Cabinet | | | | | | Safety Stock = 0 Units | | | | | | | | | | | | | | | | | | | | | | | | Lot Size = FOQ (80) | | | | | | | | | | | | Lead Time = 2 Weeks | | | | | | Period | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | 120 | 95 | | 200 | | | 25 | | 60 | | | | | |
| Item – File Cabinet | | | | | | Safety Stock = 0 Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | Lot Size = FOQ (80) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Lead Time = 2 Weeks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Period | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 120 | 95 | | 200 | | | 25 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q. 5 | Answer Any two from the following. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. | Explain the role of materials management in the standardization process within supply chain operations. | 6 | Level 2 | CO2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. | Explain any three types of Costing of receipt of materials used in store accounting and verification process. | 6 | Level 2 | CO2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. | Explain Activities of purchasing from manual to computerised system. | 6 | Level 2 | CO2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q. 6 | Answer Any two from the following. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. | Recall the key components of an integrated approach to materials management | 6 | Level 1 | CO1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. | Define the inventory classifications XYZ, ABC, and HML. outlining the specific criteria associated with each category within the context of supply chain management. | 6 | Level 1 | CO1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. | List the fundamental principles and criteria involved in BRISCH codification. | 6 | Level 1 | CO1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |