| Name: <br> Enrolment No: |  |  |  |
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| Cours <br> Progra <br> Time: <br> Instru | UNIVERSITY OF PETROLEUM AND ENERGY STUDIES  <br> End Semester Examination, May 2019 Semester: II <br> LSCM7010 Production Planning and Control  <br> $\mathbf{3}$ hrs. <br> hrs: Max. Marks: |  |  |
| SECTION A |  |  |  |
| S. No. | Attempt all questions | Marks | CO |
| Q 1 | Mark True/False (T/F) for the following | 8 |  |
| a) | In Make to Order, the product is completely made into their final form and stocked as finished goods (T/F) | 2 | 1 |
| b) | Process of breaking down of aggregate plan into finer details is called disaggregation (T/F) | 2 | 4 |
| c) | As per the book by Goldratt, the goal of any organization is increasing efficiency (T/F) | 2 | 4 |
| d) | Fixed order quantity is the method applicable to items when ordering costs are sufficiently high to rule out ordering (T/F) | 2 | 3 |
| Q 2 | Fill in the blanks | 12 |  |
| a) | In ___ model it is assumed that the replenishment is gradual. | 2 | 3 |
| b) | The three forecasting horizons in Operations Planning are $\qquad$ and | 3 | 2 |
| c) | The full form of LDR and SDR is ___ and ___ respectively. | 3 | 3 |
| d) | The full form of ARIMA is | 2 | 2 |
| e) | The full form of priority decision rule EDD is | 2 | 5 |
| SECTION B |  |  |  |
|  | Attempt any four questions | 20 |  |
| Q3 | Diagrammatically show the planning relationship in capacity management. | 5 | 4 |
| Q4 | Based on the below factors, enlist the characteristics of Job Process <br> a) Equipment, b) Labor skills, c) Managerial Approach, d) Volume output per design, e) Variety of designs produced | 5 | 1 |
| Q5 | Explain the greedy algorithm by considering a sample relationship diagram. | 5 | 2 |
| Q6 | Classify the various facility layouts. Explain any two. | 5 | 2 |
| Q7 | Describe the type of inventory policy you might find in each of the following operations, and describe why- a hospital, a cafeteria, an automobile repair facility and a dental office? | 5 | 3 |
| SECTION-C |  |  |  |
|  | Attempt all questions | 30 |  |
| Q8 | Find the optimal order quantity of a product for which the price breaks are as follows: | 10 | 3 |




