

**576371(76)**

**676571(76)**

**M. B. A. (Third Semester) Examination,**

**April-May 2020/NOV-DEC 2020**

**(New Scheme)**

**(Specialization : Production & Operation Management)**

**(Management Branch)**

**PRODUCTION PLANNING and CONTROL (NEW)**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 32***

***Note : Attempt any one question from each section.***

***All questions carry equal marks.***

**Section-‘A’**

1. “First plan your work, than work your plan”. Expand this counsel given to the department of production

[ 2 ]

planning and control, describing briefly the functions of routing, scheduling, dispatching and follow up. 16

**Or**

What do you understand by Production, Planning and Control? Quote your views with suitable examples and also mention the various stages of production, Planning and Control. 16

**Section-'B'**

2. What is Facility Planning? Explain the various factors consider and the general procedure followed for facility location. 16

**Or**

How do the location problems for a manufacturing Industry, a Government Hospital, a new Railway Station and a Higher Primary School differ from one another? Explain. 16

**Section-'C'**

3. Write notes on : (any two) 16

(i) Capacity Planning

[ 3 ]

(ii) Multiproduct Break Even Analysis  
(iii) Design and effective capacity

**Or**

Indian Telecoms entered into contract with precision instruments for the purchase of ₹ 12,500 instruments at the rate of ₹ 250 per instrument during the year. The deliveries of the instruments will be made each time half a month after the order is placed. Indian telecoms estimates its carrying cost at Rs. 48 per instrument per annum. The cost of paper work, follow up transport and receipt work out to be ₹ 2,000. How frequently should Indian Telecom place orders with precision instruments? What is the re-order point?

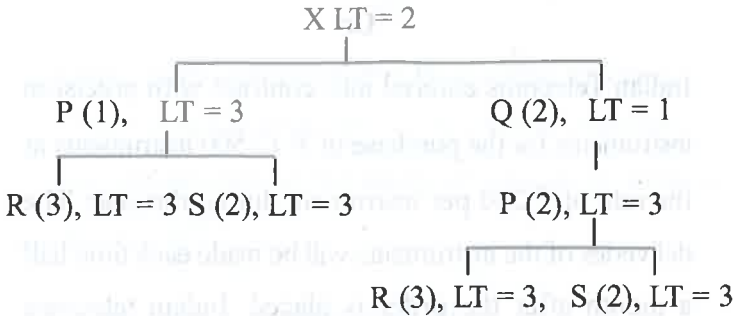
**Section-'D'**

4. Write notes on : (any two)

(i) Bill of Materials (BOM)  
(ii) Master Production Schedule (MPS)  
(iii) Outputs of CRP 16

**Or**

The product structure and lead times for a finished product 'X' are given as :



If 100 units of 'X' are required in week 12 and if none of the component, sub-assemblies and the end-product are either on hand or an order, compute the amounts and dates of the planned order releases for all the components and sub-assemblies. Assume that there is no particular order size and therefore all the order quantities are lot for lot. 16

**Section-'E'**

5. What do you understand by Inventory Control? Explain its importance and any two methods of it. 16

**Or**

Describe the procedure of ABC analysis Bringout the merits and demerits of ABC analysis. 16