MPDBA 301 - INTERNATIONAL BUSINESS ENVIRONMENT

ASSIGNMENT- 1 5 X 3 =15 Marks

1. Explain different instruments of trade policies in international business
2. What is the safe business environment in international trade?
3. Explain briefly about technology transfer in international business
4. Explain globalization and transnational corporations role in promoting international investment
5. Explain how multilateral trading system facilitate retail investors and investment firms

ASSIGNMENT - 2 5 X 3 =15 Mark$S

6. Explain the role of international financial institutions
7. Explain how the international trade disputes are resolved
8. Explain the legal frame work of foreign trade
9. Explain the benefits of service in the international trade that are useful to India
10. What is the role and function of World Trade Organization

MPDOM 315 - OPERATIONS RESEARCH

ASSIGNMENT- 1 5 X 3 =15 Marks

1. Enumerate six applications of OR
2. What is meant by LPP?
3. State different types of inventory models
4. Give any three definitions of Operations Research
5. A person repairing grinders finds that the time spent on has exponential distribution with mean time of 20 minutes each. If the grinders are repaired in the order in which they come in following poisson distribution with an average rate of 32 for 8 hour day Calculate :
   i) Probability busy period
   ii) Average waiting time in the queue
   iii) Length of the system

ASSIGNMENT - 2 5 X 3 =15 Mark$S

6. At Dr. Raju’s clinic, patients arrive with an average duration of 12 minutes between are arrival and next. The average service time (treatment) is assumed to be 20 minutes. Simulate the system till 11 a.m assuming to be starting from 9 a.m after the clinic is opened. Also calculate the average waiting time per patient
7. Solve the following LPP by graphical method

Minimise

\[ Z = 20x_1 + 10x_2 \]

Subject to

\[ x_1 + 2x_2 \leq 40 \]
\[ 3x_1 + x_2 \geq 30 \]
\[ 4x_1 + 3x_2 \geq 60 \]
\[ x_1, x_2 \geq 0. \]

8. Solve the following linear programming problem using dynamic programming technique

Maximise

\[ Z = 30x_1 + 15x_2 \]

Subject to

\[ 6x_1 + 8x_2 \leq 130 \]
\[ 15x_1 \leq 210 \]
and \[ x_1, x_2 \geq 0. \]

9. A saree centre need 1200 packets per annum to pack costly sarees. The Cost per packet is Rs. 125. The ordering cost per order is Rs. 250. The inventory carrying cost is estimated at 25% per annum
   i) Find EOQ
   ii) What is the re-order level
   iii) What is the Total Cost of inventory

10. A small scale factory has a machinist to process the jobs. The inter-arrival time for the job is not fixed. The processing time on the jobs also varies. These times are described by frequency distributions given below:

<table>
<thead>
<tr>
<th>Inter-arrival time (min)</th>
<th>Frequency</th>
<th>Processing time (min)</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>10</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
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<td>30</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

Determine the idle time of the machinist and the waiting time of jobs in a period of 2 hours
MPDOM 317 - LOGISTICS & SUPPLY CHAIN MANAGEMENT

ASSIGNMENT - 1 5 X 3 =15 Marks

1. Customer service is the output of logistics and supply chain management and it is the key interface between marketing functions and logistics function. - Discuss
2. What are the objectives of supply chain management? Discuss the future potential of supply chain management
3. Why strategic supply chain is critical to a company’s overall success? Explain in detail?
4. What is more important – In bound or out bound logistics in supply chain? Elaborate this statement?
5. Discuss how technology platform shifts have made supply chain IT systems more effective?

ASSIGNMENT - 2 5 X 3 =15 Marks

6. What is more important – In bound or out bound logistics in supply chain? Elaborate this statement?
7. Discuss the role of Human Beings as a resource in Project planning and scheduling
8. What are the objectives of supply chain management? Discuss the future potential of supply chain management
9. Why strategic supply chain is critical to a company’s overall success? Explain in detail?
10. Discuss how technology platform shifts have made supply chain IT systems more effective?

NOTE:
1) Last date for submission of assignments for all the courses / papers is- 14th March for May exams or 14th October for Dec exams
2) Non-submission of assignments as per the scheduled date mentioned above attracts a fine of Rs. 200/- upto 25th March for May exams or 25th October for Dec exams per each assignment of a courses / paper and under any circumstances the assignments will not be accepted from 26th March/October for May/Dec exams.
3) Assignments are to be written in the Book-lets provided by CDL and other formats are not accepted.
4) Answer all 10 questions, in a single book only.