Assignment 2

The due date for submitting this assignment is 23:59 IST on 2020-02-12.

Do not move to the next question until you have completed this assignment.

1. Which of the following is a type of product development?
   - Product Planning
   - Inclusion
   - Product Engineering
   - Initial Planning
   Accepted Answers: 3
   Correct Answer: 4

2. Which of the following is a type of technical problem involved in concurrent engineering?
   - Program Management team
   - Technical team
   - Design team
   - Marketing team
   Accepted Answers: 1
   Correct Answer: 2

3. Which of the following is a basic category of forecasting?
   - Comparative
   - Casual
   - Qualitative
   - Causal Models
   Accepted Answers: 1
   Correct Answer: 3

4. Which of the following is a characteristic of time series data?
   - Trend
   - Seasonality
   - Cyclical fluctuation
   - Double Trend
   Accepted Answers: 2
   Correct Answer: 1

5. Refer to the following table:
   
<table>
<thead>
<tr>
<th>Period</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demand</td>
<td>100</td>
<td>150</td>
<td>125</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>
   
   No, the answer is incorrect. Accepted Answer: 125

6. Refer to the following table:
   
<table>
<thead>
<tr>
<th>Period</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>0.5</td>
<td>0.3</td>
<td>0.2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   
   No, the answer is incorrect. Accepted Answer: 0.6

7. Which of the following can be possible weights for a moving average method?
   - 0.4, 0.2, and 0.2
   - 0.4, 0.3, and 0.2
   - 0.4, 0.3, and 0.2
   - None of the above
   No, the answer is incorrect. Accepted Answer: 0.4, 0.3, and 0.2

8. Which of the following is correct? Here is a smoothing constant.
   - New Base = Previous Base + (New Demand - Previous Base)
   - New Base = Previous Base + (New Demand - Previous Base)
   - New Base = Previous Base + (New Demand - Previous Base)
   - None of the above
   No, the answer is incorrect. Accepted Answer: None of the above

9. Which of the following is correct? Here is a smoothing constant.
   - Value of smoothing constant can be from 1 to 0.1
   - Value of smoothing constant can be from 1 to 0 to 1
   - Value of smoothing constant can be from 0 to 1
   - None of the above
   No, the answer is incorrect. Accepted Answer: Value of smoothing constant can be from 0 to 1

10. A forecasting model can use...
    - Only one smoothing constant
    - Maximum two smoothing constant
    - Maximum three smoothing constant
    - Any number of smoothing constants
    No, the answer is incorrect. Accepted Answer: Any number of smoothing constants

11. Which of the following is correct? Here is a smoothing constant.
    - Value of smoothing constant can be from 0 to 1
    - Only one smoothing constant
    - Maximum two smoothing constant
    - Maximum three smoothing constant
    No, the answer is incorrect. Accepted Answer: Only one smoothing constant

12. Which of the following is correct? Here is a smoothing constant.
    - Value of smoothing constant can be from 0 to 1
    - None of the above
    - Maximum two smoothing constant
    - Maximum three smoothing constant
    No, the answer is incorrect. Accepted Answer: None of the above