

# Unit 11 - week 10

## Course outline

How does an NPTEL online course work?

week 1

week 2

week 3

week 4

week 5

week 6

week 7

week 8

week 9

week 10

● Lecture 46:Network Analysis: Critical Path Method

● Lecture 47:Forecasting: Introduction

● Lecture 48:Forecasting: Methods

○ Lecture 49:Forecasting: Methods II

● Lecture 50:Forecasting: Methods III

○ Quiz : Assignment 10

○ Solution of Assignment 10

week 11

week 12

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Weekly Feedback

## Assignment 10

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-04-08, 23:59 IST.**

Assignment 10

1) The time by which activity completion time can be delayed without affecting the start of succeeding activities, is known as **1 point**

- Duration
- Free float
- Total float
- Interfering float

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Free float

2) Forecasting of a demand is a tool **0 points**

- Based on subjective estimates of the events
- Based on the judgment and experience of the manager
- Based on scientific and mathematical studies
- All of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Based on scientific and mathematical studies

3) Seasonal demand in connection with forecasting shows **1 point**

- Cyclic variation in demand
- Continuously increasing variation in demand
- Continuously decreasing variation in demand
- No variation

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Cyclic variation in demand

4) Exponential smoothing forecasting method is a variant of **1 point**

- Moving average method
- Weighted moving average method
- Simple average method
- Delphi method

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Weighted moving average method

5) Method based on qualitative approach of forecast is **1 point**

- Delphi
- Naïve
- Moving averages
- Linear regression

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Delphi

6) Simple average method in forecasting uses **0 points**

- Forecast intermittent demands of past periods
- Forecast recent demands of past periods
- Old demands of past periods
- Averages of forecast demands provided by the various sales person

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Forecast recent demands of past periods

7) Forecast the demand for 5th week using weighted moving average method for the below given details. Consider the weights as 0.4, 0.3, 0.2 and 0.1 **1 point**

Week	Demand
1	39
2	44
3	40
4	45
5	

- 41.3
- 40.7
- 42.7
- 40.3

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
42.7

8) The forecast method which considers the error in forecasting of recent data is **1 point**

- Simple average method
- Moving average method
- Weighted moving average method
- Exponential smoothing method

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Exponential smoothing method

9) Actual demands of fans in month of the February and March were 110 and 90, whereas forecast demands were 120 and 100, respectively. Exponential smoothing constant is 0.2. What is the expected number of sales in April? **0 points**

- 48.4
- 49.8
- 50.96
- 52.3

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
50.96

10) Time series based forecast method is **1 point**

- Simple moving average
- Exponential smoothing
- Autoregressive moving average
- All of above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
All of above