

reviewer2@nptel.iitm.ac.in ▼

Courses » Engineering Economic Analysis Announcements Course Ask a Question Progress Unit 8 - UNIT-7 (Week 7) Course Assignment 7 outline The due date for submitting this assignment has passed. Due on 2018-03-28, 23:59 IS As per our records you have not submitted this assignment. How to access the portal 1) Which of the following statement is true with respect to estimation by analogy 1 point Unit-1 (Week 1) Cost are assigned to each element at lowest level of details UNIT-2 (Week 2) UNIT-3 (Week 3) The estimator begins with set of drawings and specifies about each kind of requirement UNIT-4 (Week 4) UNIT-5 (Week 5) It is useful when a firm is venturing into new area UNIT-6 (Week 6) It is useful and sufficient in long range planning UNIT-7 (Week 7) Lecture-1: Cost Estimation: Methods of No, the answer is incorrect. Cost Estimation, Score: 0 Adjustment of Data, Learning **Accepted Answers:** It is useful when a firm is venturing into new area Lecture-2: Cost Estimating A2)mathematical model that explains the phenomenon of worker efficiency with 1 point Relationships repetitive production of a good or service is known as Lecture-3: Introduction to Decision Under Learning curve Risk Criteria for Decision Under Risk Functional relationship Lecture-4: Expected Value Decision Order of magnitude estimates Making Under Risk Cecture-5: Power law and sizing model Expected Variance. No, the answer is incorrect. Decision Score: 0 Making Under Risk **Accepted Answers:** Learning curve OQuiz : Assignment 7 While dealing with cost estimating relationship, the functions in which price 1 point Feedback quantity relationship is better represented in small non-continuous increments are Week-7

Engineering Economic Analysis - - Unit 8 - UNIT-7 (Week 7)

 Solutions of Assignment 7

UNIT-8 (Week 8)

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Linear functions

Exponential functions

Parabolic functions

Step functions
No, the answer is incorrect.
Score: 0
Accepted Answers:
Step functions
The table below gives the net profit calculated for five investment opportunities 1 pcinture under three possible futures. The alternatives that should be selected under the meet under three possible futures. The alternatives that should be selected under the m g+ probable future criterion and the expected value criterion respectively are

Alternative	(0.3) F ₁ (Rs)	(0.2) F ₂ (Rs)	(0.5) F ₃ (Rs)
A ₁	30,00,000	20,00,000	38,00,000
A ₂	-20,00,000	16,00,000	59,00,000
A ₃	0	18,00,000	50,00,000
A ₄	11,00,000	28,00,000	20,00,000
A ₅	40,00,000	9,00,000	18,00,000

A₂ and A₁

A₃ and A₁

A₃ and A₄

A₂ and A₄

No, the answer is incorrect. Score: 0

Accepted Answers: A_2 and A_1

5) In cash estimation involving learning, the term learning implies that to

1 point

Direct-Labour hours will increase per unit when production quantity is doubled

Direct-Labour hours will decrease per unit when production quantity is doubled

Direct-Material cost per unit will increase when production quantity is doubled

Direct-Material cost per unit will decrease when production quantity is doubled

No, the answer is incorrect. Score: 0

Accepted Answers:

https://onlinecourses-archive.nptel.ac.in/noc18_me35/unit?unit=55&assessment=80

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Direct-Labour hours will decrease per unit when production quantity is doubled

6) For Q 6 TO 8:

1 point

A student team is designing a formula car. Estimated time required to assemble the first car is 100 hours. Learning rate is 0.8.

Time required to assemble 4th car is f Y I 80 Hours 64 Hours 51.2 Hours 56 Hours No, the answer is incorrect. Score: 0 **Accepted Answers:** 64 Hours 7) Time required to assemble tenth car is 1 point 45.2 Hours 47.6 Hours 49.3 Hours 2.5 Hours No, the answer is incorrect. Score: 0 **Accepted Answers:** 47.6 Hours 8) Time required to assemble first ten cars is 1 point 658 Hours 631 Hours 605 Hours 692 Hours No, the answer is incorrect. Score: 0 **Accepted Answers:** 631 Hours

9) For Q 9 TO 10:

1 point

Engineering Economic Analysis - - Unit 8 - UNIT-7 (Week 7) Cost per kilometer, X, is a random variable and is described in the table below:

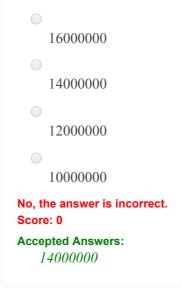
Cost(X) in Rupees	Probability that cost is X
8000000	0.1
1000000	0.3
12000000	0.3
14000000	0.2
1600000	0.1

Expected value of the cost per kilometer will be

Accepted Answers:			
No, the answer is incorrect. Score: 0			
\bigcirc	11300000		
\bigcirc	11200000		
\bigcirc	11800000		
\bigcirc	11600000		

11800000

10 If the contractor wishes to be 90% sure that the cost will not exceed the income, **1** point the bid selected should be for Rupees



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End

f Y D in

8+

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