Assignment 0

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

Due on 2019-01-27, 23:59 IST.

1) According to the law of diminishing marginal utility:
   - Utility is at a maximum with the first unit 1 point
   - Increasing units of consumption increase the marginal utility
   - Marginal product will fall as more units are consumed
   - Total utility will rise at a falling rate as more units are consumed

No, the answer is incorrect.
Score: 0
Accepted Answers:
Total utility will rise at a falling rate as more units are consumed

2) A common measure for relative efficiency is:
   - Weighted sum of outputs/ Weighted sum of inputs 1 point
   - (Weighted sum of inputs - weighted sum of outputs)/ Weighted sum of inputs
   - Ratio of weights given to output and input
   - 1 – slack

No, the answer is incorrect.
Score: 0
Accepted Answers:
Weighted sum of outputs/ Weighted sum of inputs

3) Data Envelopment Analysis is a multi-criteria decision making method based on linear programming to find relative efficiencies of a set of comparable units 1 point
   - joint efficiencies of a set of comparable units

No, the answer is incorrect.
Score: 0
Accepted Answers:
Weighted sum of outputs/ Weighted sum of inputs

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4) The CCR mode _________

- Is a DEA model
- Gives the efficiency which is always absolute
- Is a correlation-covariance ratio mode
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Is a DEA model

5) The BCC model _________

- measures technical efficiency with the convexity constraint
- requires that the composite unit is of different scale size as the unit being measured
- the resulting efficiency is more than the CCR mode
- gives diminishing returns to scale

No, the answer is incorrect.
Score: 0
Accepted Answers:
measures technical efficiency with the convexity constraint

6) A multifactor evaluation process is used in place of analytic hierarchy process when ________

- there is high certainty in determining factor weights without pairwise comparisons.
- there is low certainty in determining factor weights without pairwise comparisons
- there is no certainty in determining factor weights without pairwise comparisons
- none of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
there is high certainty in determining factor weights without pairwise comparisons.

7) The goal of management decision makers using AHP is not to find the "correct" decision but one that best suits their objectives and the problem statement

- TRUE
- FALSE

No, the answer is incorrect.
Score: 0
Accepted Answers:
TRUE

8) AHP can be applied to ________

- All of the below mentioned
- Ranking
- Resource allocation
- Benchmarking

Score: 0
9) **TOPSIS** is a multi-criteria decision analysis method which solves a problem using the method that the chosen solution has the shortest geometric distance from the positive ideal solution

- TRUE
- FALSE

No, the answer is incorrect.
Score: 0
Accepted Answers:
**TRUE**

10) **Pareto optimality**

- Defines a Pareto frontier.
- Is based on Pareto utility
- Provides equal allocation of resources among all individuals
- Is equal to deadweight gain

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Defines a Pareto frontier.*