Unit 12 - Week 11

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Week 12

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Assignment 11

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

Due on 2020-04-15, 23:59 IST.

1) The expected return on an asset that has the following probable returns would be *1 point*

Order	Return (%)	Probability
1	6.5	0.39
2	8.25	0.27
3	9.5	0.19
4	7	0.09
5	4	0.06

- 8.34%
- 6.56%
- 7.44%
- 5.96%

No, the answer is incorrect.
Score: 0
Accepted Answers:
7.44%

2) For a transmission housing project, probability distribution for unit demand (X) and unit price (Y) are estimated as in Table below: *1 point*

Product demand (X)		Unit Sale Price (Y)	
Units(x)	P(X=x)	Unit price(y) in Rupees	P(Y=y)
1600	0.2	48	0.3
2000	0.6	50	0.5
2400	0.2	53	0.2

Mean (Expected) value of the demand in units will be

- 1800
- 2000
- 1900
- 2200

No, the answer is incorrect.
Score: 0
Accepted Answers:
2000

3) For a transmission housing project, probability distribution for unit demand (X) and unit price (Y) are estimated as in Table below: *1 point*

Product demand (X)		Unit Sale Price (Y)	
Units(x)	P(X=x)	Unit price(y) in Rupees	P(Y=y)
1600	0.2	48	0.3
2000	0.6	50	0.5
2400	0.2	53	0.2

Variance of the demand will be

- 50000
- 60000
- 64000
- 70000

No, the answer is incorrect.
Score: 0
Accepted Answers:
64000

4) For a transmission housing project, probability distribution for unit demand (X) and unit price (Y) are estimated as in Table below: *1 point*

Product demand (X)		Unit Sale Price (Y)	
Units(x)	P(X=x)	Unit price(y) in Rupees	P(Y=y)
1600	0.2	48	0.3
2000	0.6	50	0.5
2400	0.2	53	0.2

Mean value of the unit sale price will be Rupees

- 52.50
- 49.56
- 46.70
- 50.00

No, the answer is incorrect.
Score: 0
Accepted Answers:
50.00

5) For a transmission housing project, probability distribution for unit demand (X) and unit price (Y) are estimated as in Table below: *1 point*

Product demand (X)		Unit Sale Price (Y)	
Units(x)	P(X=x)	Unit price(y) in Rupees	P(Y=y)
1600	0.2	48	0.3
2000	0.6	50	0.5
2400	0.2	53	0.2

Variance of the unit sale price will be

- 5.56
- 4.32
- 3.00
- 10.89

No, the answer is incorrect.
Score: 0
Accepted Answers:
3.00

6) For a transmission housing project, probability distribution for unit demand (X) and unit price (Y) are estimated as in Table below: *1 point*

Product demand (X)		Unit Sale Price (Y)	
Units(x)	P(X=x)	Unit price(y) in Rupees	P(Y=y)
1600	0.2	48	0.3
2000	0.6	50	0.5
2400	0.2	53	0.2

Standard deviation of expected value of unit price (in Rupees) will be

- 1.73
- 2.36
- 2.08
- 3.30

No, the answer is incorrect.
Score: 0
Accepted Answers:
1.73

7) The portfolio return for a business whose market value went up from Rs. 720000 in 2010 to Rs. 985000 in 2011 would be *1 point*

- 26.54%
- 30.56%
- 36.80%
- 39.82%

No, the answer is incorrect.
Score: 0
Accepted Answers:
36.80%

8) The following matrix gives the payoff values for three alternatives and three possible states of nature. The alternative which will be chosen using Hurwicz rule with $\alpha = 0.65$ will be *1 point*

	State of Nature		
Alternative	S_1	S_2	S_3
A_1	50	80	80
A_2	60	70	20
A_3	90	30	60

- A1
- A3
- A2
- Either A1 or A2

No, the answer is incorrect.
Score: 0
Accepted Answers:
A1

9) While making decision the environment in which more than one states of nature exist but the decision maker lacks sufficient knowledge to allow him assign probabilities to the various states of nature is *1 point*

- Decision making under conditions of certainty
- Decision making under conditions of uncertainty
- Decision making under conditions of risk
- Decision making under conditions of conflict

No, the answer is incorrect.
Score: 0
Accepted Answers:
Decision making under conditions of uncertainty

10) The criterion that involves the compromise between the maximax and minimax decision criteria is *1 point*

- Laplace criterion
- Optimism criterion
- Pessimism criterion
- Hurwicz criterion

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