```
from sklearn.datasets import load_wine
from sklearn.tree import DecisionTreeClassifier
from sklearn.model_selection import train_test_split

X_train,X_test,y_train,y_test = train_test_split(X,y,
                                        test_size = 0.10,
                                        random_state = 12)

clf = DecisionTreeClassifier(max_depth = 6,
                        min_samples_split = 2,
                        min_samples_leaf=3,
                        random_state = 81)

clf.fit(X_train, y_train)
print(clf.score(X_train, y_train))
```

Assume that the output of the above code is 0.852. If we increase the value of the parameter 'max_depth', which of the following is more likely to happen?:

Options :

6406531737161. ✔ The output score is likely to increase.

6406531737162. ✖ The output score is likely to decrease.

6406531737163. ✖ The change in 'max_depth' is not likely to have any effect on the output.

6406531737164. ✖ If we increase the value of 'max_depth' beyond 6, the code will throw an error, as the max_depth can not be more than the product of 'min_samples_split' and 'min_samples_leaf'.

BDM

Section Id :	64065333940
Section Number :	12
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	11
Number of Questions to be attempted :	11
Section Marks :	15
Display Number Panel :	Yes
Group All Questions :	No

Enable Mark as Answered Mark for Review and Clear Response :

Yes

Maximum Instruction Time :

0

Sub-Section Number :

1

Sub-Section Id :

64065373975

Question Shuffling Allowed :

No

Is Section Default? :

null

Question Number : 198 Question Id : 640653521191 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : BUSINESS DATA MANAGEMENT"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT ,PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406531737174. ✔ YES

6406531737175. ✖ NO

Sub-Section Number :

2

Sub-Section Id :

64065373976

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 199 Question Id : 640653521193 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

When marginal utility of an item for a customer is greater than the per unit price of an item, the customer will ideally/theoretically: (select the most appropriate answer)

Options :

6406531737180. ✸ stop buying the item

6406531737181. ✔ keep buying the item

6406531737182. ✸ buy more of competitor's item

6406531737183. ✸ marginal utility does not impact buying decisions

Question Number : 200 Question Id : 640653521195 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Ravi's demand for product X increased by 5% when his income decreased by 2%. Product X is _____ for Ravi.

Options :

6406531737188. ✸ a luxury

6406531737189. ✔ an inferior good

6406531737190. ✸ a normal good

6406531737191. ✸ a substitute good

Question Number : 201 Question Id : 640653521198 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

The demand curve has a negative slope because of:

Options :

6406531737201. ✔ the law of diminishing utility

6406531737202. ✖ the law of supply

6406531737203. ✖ the law of demand

6406531737204. ✖ the law of increasing opportunity cost

6406531737205. ✖ the law of decreasing opportunity cost

Question Number : 202 Question Id : 640653521201 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

For a customer with fixed income to maximize utility, he should buy each good in amounts such that:

Options :

6406531737217. ✖ marginal utility of each good is maximized

6406531737218. ✖ total utility is same for each good

6406531737219. ✖ marginal utility per rupee spent is maximized for each good

6406531737220. ✔ marginal utility per rupee spent is the same for each good

Sub-Section Number :	3
Sub-Section Id :	64065373977
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 203 Question Id : 640653521200 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Selectable Option : 0

Question Label : Multiple Select Question

Why is the quick ratio a more rigorous test of short-term solvency than the current ratio? (Choose all that are applicable)

Options :

6406531737213. � The quick ratio eliminates prepaid expenses for the numerator

6406531737214. ✔ The quick ratio considers only cash and marketable securities as current assets

6406531737215. ✗ The quick ratio eliminates prepaid expenses for the denominator

6406531737216. ✔ The quick ratio eliminates inventories from the numerator

Sub-Section Number :	4
Sub-Section Id :	64065373978
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 204 Question Id : 640653521192 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Which of the following is a source of survey data? (select all that is applicable)

Options :

6406531737176. ✔ Market research data

6406531737177. ✗ Stock market data

6406531737178. ✗ Rainfall data

6406531737179. ✔ Consumer pyramid data

Question Number : 205 Question Id : 640653521194 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Luxury goods are characterized by: (select all that apply)

Options :

6406531737184. ✔ high income elasticity of demand

6406531737185. ✗ an increase in income leads to an decrease in demand

6406531737186. ✔ an increase in income leads to an increase in demand

6406531737187. ✖ low income elasticity of demand

Question Number : 206 Question Id : 640653521196 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

When marginal utility is _____, total utility _____: (select all that apply)

Options :

6406531737192. ✖ negative, increases

6406531737193. ✔ negative, decreases

6406531737194. ✔ positive, increases

6406531737195. ✖ positive, decreases

6406531737196. ✔ zero, is maximum

6406531737197. ✖ zero, is minimum

6406531737198. ✖ maximum, is zero

6406531737199. ✖ minimum, is zero

Sub-Section Number :	5
Sub-Section Id :	64065373979
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 207 Question Id : 640653521199 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3 Selectable Option : 0

Question Label : Multiple Select Question

If the current ratio is 2:1 and the Quick ratio is 1.5:1, then which of the following is/are true? (Select all that are applicable)

Options :

6406531737206. ✔ Current assets are 2 times the liability

6406531737207. ✖ Liability is 2 times the current assets

6406531737208. ✔ Stocks is 0.5 times the liability

6406531737209. ✖ Liability is 0.5 times Stocks

6406531737210. ✔ Current assets are greater than stocks

6406531737211. ✖ Stocks are greater than current assets

6406531737212. ✖ None of these

Sub-Section Number :	6
Sub-Section Id :	64065373980
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 208 Question Id : 640653521197 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Short Answer Question

A firm has annual sales turnover of INR 95,00,000/-. Its total current liabilities sum up to INR 3,00,00,000/-. It has INR 15,00,000/- as accounts receivable. Calculate the firm's debtor days (round the answer to 2 decimal places).

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

57.00 to 58.00

Business Analytics