Text Areas : PlainText

Possible Answers :

6

Sem1 Statistics1

Section Id :	64065322079
Section Number :	4
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	11
Number of Questions to be attempted :	11
Section Marks :	40
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 :	64065350027
Question Shuffling Allowed :	No

Question Number : 73 Question Id : 640653349936 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 "FOUNDATION LEVEL: SEMESTER 1: STATISTICS FOR DATA SCIENCE 1"

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 :

6406531161914. ✔ Yes

6406531161915. ✖ No

Sub-Section Number : 2

Sub-Section Id : 64065350028

Question Shuffling Allowed : Yes

Question Number : 74 Question Id : 640653349937 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Multiple Choice Question

Ram has to choose a t-shirt for his outfit from a collection of 6 yellow t-shirts, 2 black t-shirts and 4 blue t-shirts. If a t-shirt is chosen randomly, then what is the chance that a black or a blue t-shirt is chosen by Ram for his outfit ?

Options :

6406531161916. ✖ $\frac{1}{6}$

6406531161917. ✔ $\frac{1}{2}$

6406531161918. ✖ $\frac{1}{3}$

6406531161919. ✖ $\frac{2}{3}$

Question Number : 75 Question Id : 640653349953 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Multiple Choice Question

Mean and population variance of the dataset $x_1, x_2, ..., x_{10}$ are 19 and 49 respectively. If the value of $\sum_{i=6}^{10} x_i^2$ is 1900, then what is the value of $\sum_{i=1}^{5} x_i^2$?

Options :

6406531161958. ✖ 4100

6406531161959. ✖ 1900

6406531161960. ✖ 1759

6406531161961. ✔ 2200

Question Number : 76 Question Id : 640653349955 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Multiple Choice Question

A fair die is thrown twice independently. What is the probability of getting two numbers whose product is odd?

Options :

6406531161966. ✖ $\frac{3}{4}$

6406531161967. ✖ $\frac{1}{2}$

6406531161968. ✔ $\frac{1}{4}$

6406531161969. ✖ $\frac{2}{9}$

Sub-Section Number :	3
Sub-Section Id :	64065350029
Question Shuffling Allowed :	No

Question Id : 640653349938 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (77 to 78)

Question Label : Comprehension

In a hospital, 40% of the patients are male. It is known that 15% of male patients are suffering from cancer and 10% of female patients are suffering from cancer. If a patient is selected randomly, then based on the given information, answer the subquestions.

Sub questions

Question Number : 77 Question Id : 640653349939 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Short Answer Question

What is the probability that the selected patient is suffering from cancer? (Enter the answer correct to 2 decimal accuracy)

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

0.09 to 0.15

Question Number : 78 Question Id : 640653349940 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Short Answer Question

If the selected patient is suffering from cancer, then what is the probability that the patient is a female? (Enter the answer correct to 2 decimal accuracy)

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Range

Text Areas : PlainText

Possible Answers :

0.47 to 0.53

Sub-Section Number :	4
Sub-Section Id :	64065350030
Question Shuffling Allowed :	No

Question Id : 640653349941 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (79 to 80)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 79 Question Id : 640653349942 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Short Answer Question

A boy went to a bakery shop to purchase chocolates. If there are 5 dark chocolates and 3 milk chocolates, of which two are to be purchased by him, then in how many ways can it be done such that both of the purchased ones are either dark chocolate or the milk chocolate?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

13

Question Number : 80 Question Id : 640653349943 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Select Question

Select the steps from the following options, that you will use for the selection of chocolates to be purchased.

Note: This question is optional. We will check your answer to this question if you make a mistake in the previous one.

Options :

6406531161923. ✔ Selection of chocolates will occur simultaneously.

6406531161924. ✖ Selection of chocolates will not occur simultaneously.

6406531161925. ✖ With replacement.

6406531161926. ✔ Without replacement.

6406531161927. ✖ Order matters.

6406531161928. ✔ Order does not matter.

6406531161929. ✖ Permutation is used.

6406531161930. ✔ Combination is used.

Sub-Section Number :	5
Sub-Section Id :	64065350031
Question Shuffling Allowed :	No

Question Id : 640653349944 Question Type : COMPREHENSION Sub Question Shuffling

Allowed : No Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (81 to 82)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 81 Question Id : 640653349945 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Short Answer Question

How many numbers can be formed using the digits 0, 1, 3, 5, 7, 9 (without repetition), such that the number formed is greater than 20,000?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1080

Question Number : 82 Question Id : 640653349946 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Select Question

Select the steps from the following options, that you will use to form the numbers greater than 20,000 using the given digits.

Note: This question is optional. We will check your answer to this question if you make a mistake in the previous one.

Options :

6406531161932. ✔ Selection of digits will occur simultaneously.

6406531161933. ✖ Selection of digits will not occur simultaneously

6406531161934. ✖ With replacement.

6406531161935. ✔ Without replacement.

6406531161936. ✔ Order matters.

6406531161937. ✖ Order does not matter.

6406531161938. ✔ Permutation is used.

6406531161939. ✖ Combination is used.

Question Id : 640653349947 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (83 to 84)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 83 Question Id : 640653349948 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4

Question Label : Short Answer Question

In a school, there are 3 students in section-*A*, 4 students in section-*B* and 5 students in section-*C*. Find the number of ways, in which 8 students can be selected such that it include at least 2 students from each section and at most 5 students from the total 7 students in section-*A* and *B*.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

270

Question Number : 84 Question Id : 640653349949 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Select Question

Select the steps from the following options, that you will use for selection of students from the given three sections.

Note: This question is optional. We will check your answer to this question if you make a mistake in the previous one.

Options :

6406531161941. ✔ Selection of students will occur simultaneously

6406531161942. ✖ Selection of students will not occur simultaneously.

6406531161943. ✖ With replacement.

6406531161944. ✔ Without replacement.

6406531161945. ✖ Order matters.

6406531161946. ✔ Order does not matter.

6406531161947. ✖ Permutation is used.

6406531161948. ✔ Combination is used.

Sub-Section Number :	6
Sub-Section Id :	64065350032
Question Shuffling Allowed :	No

Question Id : 640653349950 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (85 to 86)

Question Label : Comprehension

Answer the given subquestions.

Sub questions

Question Number : 85 Question Id : 640653349951 Question Type : SA Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 5

Question Label : Short Answer Question

In how many ways a necklace of 6 beads can be formed using 8 beads of different colour?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

1680

Question Number : 86 Question Id : 640653349952 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Select Question

Select the steps from the following options, that you will use to form a necklace after choosing 6 beads from 8 beads.

Note: This question is optional. We will check your answer to this question if you make a mistake in the previous one.

Options :

6406531161950. ✔ Selection of beads will occur simultaneously.

6406531161951. ✖ Selection of beads will not occur simultaneously.

6406531161952. ✖ With replacement.

6406531161953. ✔ Without replacement.

6406531161954. ✔ Order matters.

6406531161955. ✖ Order does not matter.

6406531161956. ✔ Permutation is used.

6406531161957. ✖ Combination is used.

Sub-Section Number : 7

Sub-Section Id : 64065350033

Question Shuffling Allowed : Yes

Question Number : 87 Question Id : 640653349954 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

If an analyst wants to categorize the satisfaction level of a ride as “not happy, happy, very happy” which is serviced by a transport company, then which scale of measurement is suitable for the satisfaction level?

Options :

6406531161962. ✖ Nominal

6406531161963. ✔ Ordinal

6406531161964. ✖ Interval

6406531161965. ✖ None

Sub-Section Number : 8

Sub-Section Id : 64065350034

Question Shuffling Allowed : Yes

Question Number : 88 Question Id : 640653349956 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Select Question

Which of the following statements is/are incorrect?

Options :

6406531161970. ✔ Number of road accidents in a month is a numeric and continuous variable.

6406531161971. ✖ Age of a student (in years) in a class is a numeric and continuous variable.

6406531161972. ✖ Number of languages spoken by an individual is a numeric and discrete variable.

6406531161973. ✔ Speed of a car is a numeric and discrete variable.

Sem2 English2

Section Id :	64065322080
Section Number :	5
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	33
Number of Questions to be attempted :	33
Section Marks :	50
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 :	64065350035
Question Shuffling Allowed :	No

Question Number : 89 Question Id : 640653349957 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