

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. I (Semester-I)
Session: - 2021 - 2022
Unit Test I**

**Name of the Teacher: - M. A. Pande
Subject :- Statistics (Paper- I)**

**Date: 26/10/2021
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	15
3	ANCHAL SUR	A
4	ANJALI JAISWAL	8
5	ARYA G KADU	9
6	ASTHA KADU	12
7	AVANI V ADHAV	14
8	BHAVSH R KADWE	17
9	DARSHAN V DARVEKAR	9
10	DHRUVIKA O GOTMARE	11
11	DIYANKA M RAUT	12
12	EKTA V SANT	11
13	GUNJAN V MOURYA	7
14	HARSHITA S VARADE	A
15	HIMANSHU D RAMTEKE	A
16	ISHIKA S NAIK	9
17	ISHITA S SHRIVASTAVA	10
18	JANHAVI P DIWAKAR	9
19	JAYANT J HALDAR	A
20	KASHISH H BAWANGADE	9
21	MANSI D NANDANWAR	6
22	OM P DORLE	8
23	PARTH S VIRKHARE	10
24	PRANALI D DANDEKAR	7
25	PRANAV R BAGADE	12
26	PRIYA KUMARI PRASAD DEONATH	17
27	PRIYANKA M KHARWAR	16
28	RAJAT B TIWARI	A
29	RIYA R SINGH	9
30	ROHAN K NIMJE	A

31	SANJANA M GHATOLE	A
32	SARVAJEET P MASANWAR	A
33	SEJAL V SURUSE	13
34	SHRADDHA S SANDEL	15
35	SHRUTI R BHAGAT	16
36	SHRUTI S GAIKWAD	10
37	SHUBADA V KABULE	7
38	SUDHANSHU SAKARE	7
39	TRUPTI A MONDHE	11
40	VIDHAN R HEDAOO	12
41	YUNAKSHI P KAROKAR	A

M. Apantele
Signature of Teacher



M. Apantele
Head
Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.


Bachelor of Science (B.Sc.) Semester—I Examination 2021
STATISTICS
Unit Test -I
Semester I Paper—I

Time : 45 Minutes]


Maximum Marks : 20.

Date: 26/10/2021

1. Define following
 - a) Axiomatic approach with example
 - b) Equally likely events with example
 - c) Independent events
 - d) Classical definition of probability with limitations
2. State and prove addition law of probabilities for two events. Hence proved it for three events.
3. For two events A and B if B is subset of A then find $P(A/B)$
4. Write a note on
 - (i) Partition of the sample (ii) Conditional Probability (iii) Independence of probability


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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.**

Department of STATISTICS

Class :- B. Sc. I (Semester-I)

Session: - 2021 - 2022

Unit Test II

Name of the Teacher: - M. A. Pande

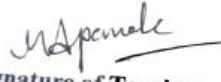
Subject :- Statistics (Paper- I)

Date: 25/11/2021


Batch :- M8-M9(SCSM)

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	ABHISHEK S NANOTY	A
2	AKSHAYA R IYER	6
3	ANCHAL SUR	A
4	ANJALI JAISWAL	12
5	ARYA G KADU	13
6	ASTHA KADU	13
7	AVANI V ADHAV	8
8	BHAVSH R KADWE	14
9	DARSHAN V DARVEKAR	A
10	DHRUVIKA O GOTMARE	9
11	DIYANKA M RAUT	13
12	EKTA V SANT	A
13	GUNJAN V MOURYA	8
14	HARSHITA S VARADE	A
15	HIMANSHU D RAMTEKE	9
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29	RIYA R SINGH	14
30	ROHAN K NIMJE	A
31	SANJANA M GHATOLE	17
32	SARVAJEET P MASANWAR	A
33	SEJAL V SURUSE	9
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40	VIDHAN R HEDA00	10
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Congress Nagar, Nagpur.

Bachelor of Science (B.Sc.) Semester—I Examination 2021

STATISTICS

Unit Test -II

Semester I Paper—I


Time : 45 Minutes]

Maximum Marks : 20.


Date: 25/11/2021

NOTE: All questions carry equal marks

1. Explain the mathematical expectation of random variable. State and prove its properties
2. Define cumulative distribution function of a random variable.
3. Define the following measure of dispersion for a probability distribution with example
(i) Quartile (ii) Mean deviation (iii) Median deviation (iv) Range
4. Define i) Standard deviation of random variable
ii) What is meant by kurtosis and skewness. Write one difference between them


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