

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

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

**Date: 23/10/2021
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	AANCHAL GAIKWAD	A
2	AKSHADA GIRHE	13
3	ASHMI DATTA	A
4	BHAIRAVI CHAUHAN	8
5	BHAVNA GAIKWAD	10
6	CHARUSHREE MESHRAM	17
7	DHANSHREE NEHARE	8
8	HIMANSHI FULWANI	6
9	MADHVI SINGH	13
10	MANSI GOKHALE	10
11	MANSI HEDAHO	14
12	MAYURI MADANKAR	8
13	NAINAL SHANGONDAWAR	7
14	NEHA MOHATURE	17
15	NIKITA SAKHARKAR	12
16	POORVI GAJBHIYE	6
17	PORNIMA AWARI	A
18	PRIYA INGLE	10
19	PURVA LANDGE	A
20	RRENUKA CHORE	13
21	RINKU HATTEWAR	16
22	SAKSHI PURSWAMI	7
23	SAKSHI GUMGAONKAR	11
24	SAKSHI KALE	6
25	SEJAL SONULE	8
26	SHRADDHA WATH	A
27	SHRADDHA SALVE	13
28	SHRUTI KARANDE	17
29	SHRUSTI ZADE	11
30	TANVI KEDAR	14
31	VAISHNAVI DANGRE	14
32	VEDIKA POPHALI	7
33	VIDHI JAUHARI	A
34	VIDNYANI UMATHE	9

35	ADITYA GOUR	10
36	ARYAN PATIL	A
37	DIVYANSHU CHOUKSEY	10
38	JAYESH BORKAR	9
39	MRUNAL BENDARE	A
40	OM MANGLE	7
41	PIYUSH MESHARAM	13
42	PRAJWAL ALONE	6
43	PREM HINGWE	17
44	RANJIT RAUT	6
45	ROUNAK KSHIRSAGAR	A
46	VISHNU JOSHI	10

M. Panale
Signature of Teacher



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

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

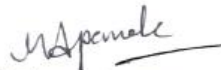
Time : 45 Minutes]

Maximum Marks : 20.


Date: 23/10/2021

NOTE: All questions carry equal marks

1. Explain Karl Pearson correlation coefficient with its diagram.
2. Define the following terms with suitable examples.
 - i) Bivariate m.g.f. ii) Stochastic independence of two random variable
 - iii) Bivariate c.d.f.
3. State and prove p.m.f. of multinomial distribution.
4. Derive m.g.f. of bivariate normal distribution and find its mean and variance


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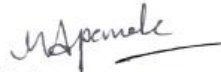
**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. II (Semester-III)
Session: - 2021 - 2022
Unit Test II**

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


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

STATISTICS

Unit Test –II

Semester III Paper—I


Time : 45 Minutes]

Maximum Marks : 20.


Date: 23/10/2021

NOTE: All questions carry equal marks

1. Let $x_1, x_2, x_3, \dots, x_n$ be a random sample of size n from Binomial distribution Find its p.m.f. .
2. Define chi square statistics. State its p.d.f. Also find its mode
3. Define t-test statistics state its p.d.f.
4. Define F –statistics. Derive its p.d.f.


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