

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

**Department of STATISTICS
Class :- B. Sc. II (Semester-III)**

Session: - 2020 - 2021

Unit Test I

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

Date: 22/10/2020
Batch :- M8-M9(SCSM)

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	A. S. MISHRA	A
2	A. VIJAYKUMAR	15
3	B.V. SINDHAMWAR	12
4	CHINAR KURVE	A
5	HARSHA S. UKEY	16
6	J. G. GAYDHANE	15
7	KOMAL P. JOKYANI	15
8	M.S. KHAIRKAR	11
9	M.N. SELOKAR	10
10	PARIDHI A. SINGH	10
11	POOJA S. TELANG	7
12	PREETI RAI	A
13	R.M. GOSWAMI	9
14	RIYA RAI	8
15	RUSHIKA V. TIKOO	14
16	S.V. RAMBHAD	8
17	SHARVARI S. NATU	12
18	S. CHADOKAR	9
20	S.R. BHONDE	7
21	S.G. DANDEKAR	11
22	S.V. UGEMUGE	7
23	V. KALOKAR .	8
24	V.S. KULKARNI	13
25	V. WADSKAR .	A
26	A.C. MESHRAM	16
27	AMAN AGRAWAL	15
28	C. D. MADHAVI	A
29	P.P. BAHARGHARE	13
30	S.S. DONGRE	8
31	SAYABAJ SHEIKH .	14
32	SHIVAM R. KAKDE	11
33	S.A.I. SHEIKH	14

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 2020
STATISTICS
Unit Test –I
Semester III Paper—I

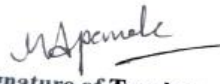
Time : 45 Minutes]

Maximum Marks : 20.


Date: 22/10/2020

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


Signature of Teacher




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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)**

**Date: 03/12/2020
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	A. S. MISHRA	A
2	A. VIJAYKUMAR	15
3	B.V. SINDHAMWAR	12
4	CHINAR KURVE	A
5	HARSHA S. UKEY	16
6	J. G. GAYDHANE	15
7	KOMAL P. JOKYANI	15
8	M.S. KHAIRKAR	11
9	M.N. SELOKAR	10
10	PARIDHI A. SINGH	10
11	POOJA S. TELANG	7
12	PREETI RAI	A
13	R.M. GOSWAMI	9
14	RIYA RAI	8
15	RUSHIKA V. TIKOO	14
16	S.V. RAMBHAD	8
17	SHARVARI S. NATU	12
18	S. CHADOKAR	9
20	S.R. BHONDE	7
21	S.G. DANDEKAR	11
22	S.V. UGEMUGE	7
23	V. KALOKAR .	8
24	V.S. KULKARNI	13
25	V. WADSKAR .	A
26	A.C. MESHRAM	16
27	AMAN AGRAWAL	15
28	C. D. MADHAVI	A
29	P.P. BAHARGHARE	13
30	S.S. DONGRE	8
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33	S.A.I. SHEIKH	14

M. Panade
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Bachelor of Science (B.Sc.) Semester—III Examination 2020
STATISTICS
Unit Test –II
Semester III Paper—I


Time : 45 Minutes]

Maximum Marks : 20.


Date: 03/12/2020

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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