

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

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 05/10/2021
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

Shivaji

Signature of Teacher



U. S. Panale

Head

Head
Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

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

STATISTICS

Unit Test –I

Semester V Paper—II

Time : 45 min]

Maximum Marks : 201.

Date: 05/10/2021

NOTE: All questions carry equal marks

1. Describe the divisions and functions of C.S.O. and N.S.S.O.
2. Describe the advantages of sample survey over complete enumeration method.
3. Show that in case of SRSWOR :
 - (i) Sample mean is an unbiased estimator of population mean
 - (ii) Sample mean square is an unbiased estimator of population mean square
- 4.) Distinguish between SRSWOR and SRSWR.



Signature of Teacher



Head

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**Department of Statistics
Shivaji Science College
Congress Nagar, Nashik**

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

**Name of the Teacher: - Dr.S.S.Paliwal
Subject :- Statistics (Paper- II)**

**Date: 18/11/2021
Batch :- M8-M9(SCSM)**

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

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Signature of Teacher



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

STATISTICS

Unit Test –II

Semester V Paper—II

Time : 45 min]

Maximum Marks : 20.

Date: 18/11/2021

NOTE: All questions carry equal marks

1. Compare stratified sampling under proportional and Neyman allocation over SRSWOR. Prove that : (a) Greater the difference in strata means, greater is the gain in precision of stratified random sampling under proportional allocation over unstratified random sampling
- 2 Explain stratified sampling procedure.
3. Explain the procedure of cluster sampling. Obtain an unbiased estimator of population mean under this sampling procedure. Derive an expression for its variance.
4. Describe a procedure of systematic sampling. Show that systematic sample mean is an unbiased estimator of population mean.



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