

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. III (Semester-V)
Session: - 2019 - 2020
Unit Test I**

**Name of the Teacher: - V.A.Chainani
Subject :- Statistics (Paper- II)**

**Date: 30/11/2019
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ANKUSH D. YEDE	7
2	ASHWINI S. MALHARE	A
3	DIPTI VIVEK VAIDYA	A
4	HARSHITA . KAPSE	5
5	HEMA R. GUPTA	14
6	KETKI R. SHENDE	A
7	KHUSHI R. SHARMA	A
8	MADHURA V. DUBEY	11
9	MANSI B. DOKRIMARE	A
10	NEETU M. DHARMARI	6
11	NITISHA R. PILLEWAN	6
12	PRANJALI . MIRALWAR	A
13	RADHIKA A. TIWARI	6
14	RUCHIKA . GOLAIT	A
15	SAUJANYA . YELMULE	A
16	SNEHA S. IKHAR	11
17	SWARDA S.H KAWARE	15
18	TANUJA D. LILHARE	10
19	UNNATI J. UKINKAR	9
20	AMEYA R. MHAISURKAR	11
21	BHUSHAN G.MESHRAM	10
22	H. B. SHARANAGAT	12
23	MAYANK . RAMTEKKAR	9
24	OMKAR UMESH LONDHE	A
25	PRATIK S. MULEY	13
26	P.D. RAKHADE	14
27	SANKET R. TOPLE	15
28	S.A. DESHPANDE	7
29	SUBODH N. CHAUDHARI	A
30	YOGESH R. WAGHODE	5

Ahainani

Signature of Teacher



M. Panale

Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—V Examination 2019
STATISTICS
Unit Test –I
Semester V Paper—II

Time : 45 min]

Maximum Marks : 20.

Date: 30/11/2019

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.

Ahainani

Signature of Teacher



U. S. Panale

Head

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur.
Department of STATISTICS
Class :- B. Sc. III (Semester-V)
Session: - 2019 - 2020
Unit Test II**

**Name of the Teacher: - V.A.Chainani
Subject :- Statistics (Paper- II)**

**Date: 07/12/2019
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ANKUSH D. YEDE	6
2	ASHWINI S. MALHARE	8
3	DIPTI VIVEK VAIDYA	5
4	HARSHITA . KAPSE	A
5	HEMA R. GUPTA	5
6	KETKI R. SHENDE	13
7	KHUSHI R. SHARMA	A
8	MADHURA V. DUBEY	13
9	MANSI B. DOKRIMARE	7
10	NEETU M. DHARMARI	7
11	NITISHA R. PILLEWAN	A
12	PRANJALI . MIRALWAR	13
13	RADHIKA A. TIWARI	12
14	RUCHIKA . GOLAIT	6
15	SAUJANYA . YELMULE	5
16	SNEHA S. IKHAR	A
17	SWARDA S.H KAWARE	9
18	TANUJA D. LILHARE	10
19	UNNATI J. UKINKAR	A
20	AMEYA R. MHAISURKAR	A
21	BHUSHAN G.MESHRAM	5
22	H. B. SHARANAGAT	14
23	MAYANK . RAMTEKKAR	6
24	OMKAR UMESH LONDHE	15
25	PRATIK S. MULEY	7
26	P.D. RAKHADE	A
27	SANKET R. TOPLE	8
28	S.A. DESHPANDE	8
29	SUBODH N. CHAUDHARI	A
30	YOGESH R. WAGHODE	9

Ahainani

Signature of Teacher



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Department of Statistics
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Bachelor of Science (B.Sc.) Semester—V Examination 2019

STATISTICS

Unit Test –II

Semester V Paper—II

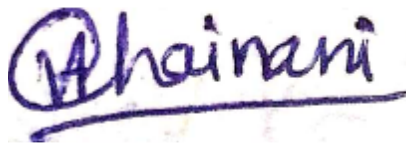
Time : 45 min]

Maximum Marks : 20.

Date: 07/12/2019


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.



Signature of Teacher




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