

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

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

**Date: 02/04/2020
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ADITI RAJENDRA MUDGAL	6
2	AKANKSHA ANIL SINHA	11
3	DIVYA PUNARAM ARBAT	A
4	HIMALI NIWAS HALMARE	10
5	KETKI KUNAL KALE	A
6	MANSI NITIN ELGUNDE	7
7	MRUNAL R. MALOKAR	8
8	NAYNA ANAND KALBANDE	A
9	PRANJALI PRAVIN KADDOO	11
10	SAMIDHA P. DESHMUKH	7
11	SAMRUDDHI A.LOKHANDE	5
12	SANYOGITA SANJAY GUPTA	10
13	S.P. SHINGANJUDE	12
14	S. VIJAY GHARPURE	14
15	SRUSHTI VINOD GHARPURE	A
16	TANYA RAJU KALEWAR	11
17	VAIBHAVI JITENDRA TANNA	7
18	VAIBHAVI PRASHANT KALE	15
19	VAISHNAVI A. HIWASE	12
20	VRUSHALI SANTOSH YEDME	A
21	ABHISHEK ANIL AGRAWAL	8
22	DEVESH GAJESH BOBDE	12
23	HOMESH LALIT PARDHI	15
24	MAYUR DAMODHAR DEOLE	A
25	PRAFUL KISHOR DANGRE	A
26	SHUBHAM S. AGLAWE	7
27	SHUBHAM S. PALTANKAR	A
28	SUDHANSHU M. JOSHI	14
29	TARSH M. PATEL	A
30	TEJAS P. TOTADE	A
31	VISHAL R. WARTHI	A
32	V. NANDKISHOR NAGHATE	11

Ahainani

Signature of Teacher



M. Panale

Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—IV Examination 2020

STATISTICS

Unit Test –I

Semester IV Paper—II

Time : 45 min]

Maximum Marks : 20.

Date: 02/04/2020

NOTE: All questions carry equal marks

1. Explain the following mortality rates stating their uses, merits and demerits:
(i) C.D.R. (ii) Causes of death rate.
2. Explain the following terms in a complete life table : l_x , dx , px , qx , L_x , T_x , ex , eo
3. (A) Write note on stable and stationary population. (B) Distinguish between C.B.R. and G.F.R
4. Explain the construction of following rates stating assumptions, definition, merits and demerits:
(i) Age Specific Fertility Rate (ii) Total Fertility Rate..

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U. S. Panale

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

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

**Date: 29/04/2020
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks(out of 20)
1	ADITI RAJENDRA MUDGAL	A
2	AKANKSHA ANIL SINHA	6
3	DIVYA PUNARAM ARBAT	A
4	HIMALI NIWAS HALMARE	A
5	KETKI KUNAL KALE	7
6	MANSI NITIN ELGUNDE	A
7	MRUNAL R. MALOKAR	9
8	NAYNA ANAND KALBANDE	A
9	PRANJALI PRAVIN KADDOO	13
10	SAMIDHA P. DESHMUKH	A
11	SAMRUDDHI A.LOKHANDE	12
12	SANYOGITA SANJAY GUPTA	16
13	S.P. SHINGANJUDE	A
14	S. VIJAY GHARPURE	11
15	SRUSHTI VINOD GHARPURE	8
16	TANYA RAJU KALEWAR	14
17	VAIBHAVI JITENDRA TANNA	A
18	VAIBHAVI PRASHANT KALE	13
19	VAISHNAVI A. HIWASE	A
20	VRUSHALI SANTOSH YEDME	9
21	ABHISHEK ANIL AGRAWAL	10
22	DEVESH GAJESH BOBDE	9
23	HOMESH LALIT PARDHI	9
24	MAYUR DAMODHAR DEOLE	11
25	PRAFUL KISHOR DANGRE	6
26	SHUBHAM S. AGLAWE	A
27	SHUBHAM S. PALTANKAR	15
28	SUDHANSHU M. JOSHI	A
29	TARSH M. PATEL	12
30	TEJAS P. TOTADE	A
31	VISHAL R. WARTHI	A
32	V. NANDKISHOR NAGHATE	A

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Department of Statistics
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Congress Nagar, Nagpur

Bachelor of Science (B.Sc.) Semester—IV Examination 2020

STATISTICS

Unit Test –II

Semester IV Paper—II

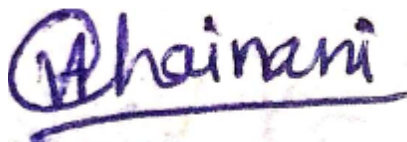
Time : 45 min]

Maximum Marks : 20.

Date:29 /04/2020

NOTE: All questions carry equal marks

1. Define Percentile scores and T-Scores. Explain how these scores are computed for a given frequency distribution of raw scores.
2. Explain z-scores and standard scores. Show that mean and variance of z-scores are 0 and 1 respectively. State the merits and demerits of these scores.
3. Define the terms reliability and validity of a Psychological test. How is the validity of a test obtained experimentally?
4. Explain the method of rational equivalence for estimating the test reliability. Derive Kuder-Richardson's Formula-20.



Signature of Teacher




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