

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

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

**Date: 26/04/2022
Batch :- M8-M9(SCSM)**

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

34	VIDNYANI UMATHE	A
35	ADITYA GOUR	13
36	ARYAN PATIL	17
37	DIVYANSHU CHOUKSEY	13
38	JAYESH BORKAR	A
39	MRUNAL BENDARE	11
40	OM MANGLE	11
41	PIYUSH MESHARAM	15
42	PRAJWAL ALONE	15
43	PREM HINGWE	10
44	RANJIT RAUT	6
45	ROUNAK KSHIRSAGAR	A
46	VISHNU JOSHI	A

Shivaji

Signature of Teacher



Shivaji

Head

Head

Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.

Bachelor of Science (B.Sc.) Semester—IV Examination 2022

STATISTICS

Unit Test –I

Semester IV Paper—II


Time : 45 min]

Maximum Marks : 20.

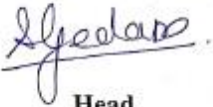
Date: 26/04/2022

NOTE: All questions carry equal marks

1. Explain the following mortality rates stating their uses, merits and demerits:
(i) Age SDR. (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) Distinguish between stable and stationary population. (B) Distinguish between S.F.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..


Signature of Teacher




Head
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Department of Statistics
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Congress Nagar, Nagpur.

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

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

**Date: 31/03/2022
Batch :- M8-M9(SCSM)**

S.no.	Students Full Name	Unit Test Marks (out of 20)
1	AANCHAL GAIKWAD	A
2	AKSHADA GIRHE	16
3	ASHMI DATTA	A
4	BHAIRAVI CHAUHAN	10
5	BHAVNA GAIKWAD	18
6	CHARUSHREE MESHRAM	11
7	DHANSHREE NEHARE	14
8	HIMANSHI FULWANI	A
9	MADHVI SINGH	6
10	MANSI GOKHALE	14
11	MANSI HEDAHO	15
12	MAYURI MADANKAR	18
13	NAINAL SHANGONDAWAR	11
14	NEHA MOHATURE	10
15	NIKITA SAKHARKAR	A
16	POORVI GAJBHIYE	13
17	PORNIMA AWARI	A
18	PRIYA INGLE	13
20	PURVA LANDGE	16
21	RRENUKA CHORE	A
22	RINKU HATTEWAR	14
23	SAKSHI PURSWAMI	12
24	SAKSHI GUMGAONKAR	A
25	SAKSHI KALE	15
26	SEJAL SONULE	15
27	SHRADDHA WATH	8
28	SHRADDHA SALVE	8
29	SHRUTI KARANDE	10
30	SHRUSTI ZADE	A
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35	VIDNYANI UMATHE	A
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43	PRAJWAL ALONE	13
44	PREM HINGWE	6
45	RANJIT RAUT	A
46	ROUNAK KSHIRSAGAR	6

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Signature of Teacher



M. P. Mane

Head

Head

**Department of Statistics
Shivaji Science College
Congress Nagar, Nagpur.**

Bachelor of Science (B.Sc.) Semester—IV Examination 2022

STATISTICS

Unit Test –II

Semester IV Paper—II

Time : 45 min]

Maximum Marks : 201.

Date: 31/03/2022

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. Derive Kuder-Richardson's Formula-20.



Signature of Teacher



Head

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