



Maximum

Avinashilingam Institute for Home Science and Higher Education for Women
 (Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
 Re-accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12B
 Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment - August, 2024
 V Semester

Class : III UG
 Major: Psychology

Time : 3 Hours
 Max. Marks: 60

21BPSC15 STATISTICS IN PSYCHOLOGY
 Part-A

6 X 1 = 6

Choose the Correct Answer

1. 41.29443 rounded off to two decimal is
 a. 41.29 b. 41.30 c. 41.31 d. 41.32 CO1 K2
2. The multiplication of 0.81 X 0.25 is
 a. 0.20 b. 0.21 c. 0.22 d. 0.23 CO1 K1
3. X axis is otherwise known as
 a. Abscissa b. Origin c. Ordinate d. Axis CO2 K1
4. Column diagram is otherwise known as
 a. Frequency Polygon b. Histogram
 c. Cumulative Frequency d. Cumulative Percentage Curve CO2 K2
5. The Mean value for 7 4 6 8 5
 a. 5.9 b. 6.0 c. 6.1 d. 6.2 CO3 K1
6. Frequently used Measures of Variation is
 a. Range b. SD c. QD d. AD CO3 K1

Part-B

3 X 6 = 18

Answer ALL the questions

Answers should not exceed 200 words or one page

- 7 a. Construct Discrete Frequency Distribution for the following data. CO1 K5

15	14	15	13	15	13	15	13	15	13
16	15	17	15	14	15	14	15	14	16
16	17	14	15	16	16	16	14	15	15

(Or)

CO1 K3

- 7 b. Explicate on Scope of Statistics.

- 8 a. Expound on the Rules for Construct of Frequency Polygon.
 (Or)

CO2 K3

CO2K5

- 8 b. Draw Histogram for the following data.

Scores	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100
F	1	4	6	7	9	8	7	4	3	1

CO3K5

- 9 a. Calculate Mean, Median and Mode for the following data

46	44	45	43	42	41	47
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(Or)

CO3K3

- 9 b. Briefly mention about Quartile Deviation.

Part - C

3 X 12 = 36

Answer ALL the questions

Answer should not exceed 800 words or four pages

10 a. Analyze the uses of Statistics.

CO1 K4

(Or)

10 b. Construct Continuous Frequency Distribution for the following table.

CO1 K5

185	166	176	145	166	191	177	164	171	174
147	178	176	142	170	158	171	167	180	178
173	148	168	187	181	172	165	169	173	184
175	156	158	186	156	172	162	193	173	183
197	181	151	161	153	172	162	179	188	179

11 a. Elucidate on Skewness.

CO2 K4

(Or)

11 b. Construct Frequency Percentage Curve for the following data.

CO2 K5

Scores	110-120	100-110	90-100	80-90	70-80	60-70	50-60	40-50	30-40	20-30	10-20
F	5	9	14	19	21	30	25	15	10	8	6

12 a. Elaborate on Measures of Central Tendency.

CO3 K3

(Or)

12 b. Calculate Mode and SD for the following table

CO3 K5

Scores	100-109	90-99	80-89	70-79	60-69	50-59	40-49	30-39	20-29	10-19	0-9
F	5	9	14	19	21	30	25	15	10	8	6

Copies: 65 + 45

Staff in Charge: Dr. Gayatri Devi, S. & Mrs. Subhashini, S.

A 65
S 45