

FSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(Second Semester)

Branch - PSYCHOLOGY

PSYCHOLOGICAL STATISTICS !

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 Define Statistics.
- 2 Mention any two applications of statistics in the field of psychology.
- 3 What is Data base?
- 4 Mention the advantage of tallying the data.
- 5 Define : Range
- 6 Define : Variance.
- 7 Mention about central limit theorem.
- 8 Write the formula to compute 'Z-score'.
- 9 Write the meaning of the term : sampling.
- 10 What is Quota sampling known as?

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Briefly outline the origin and growth of the field of statistics.
OR
b List out the published and unpublished sources for the collection of secondary data.
- 12 a What are the requisites of tabulation? Explain with an example.
OR
b Draw a pie chart to represent the following data:

CATEGORY	No.
OCD patients	16
Schizophrenic patients	24
Bipolar disorder patients	08
Conversion disorder patients	20
Total	68

- 13 a State the requisites of good average and discuss the merits and demerits of mode.

OR

- b Find the combined SD for the data presented below'.

	N	Mean	SD
Group- 1:	20	15	3
Group-2 :	30	12	5
Group-3 :	50	18	6

Cont...

- 14 a Explicate the applications of probability in day to day decisions.
OR
b Examine the nature and characteristics of normal distribution.
- 15 a Discuss how census is conducted.
OR
b Differentiate between sampling and non-sampling errors.

SECTION - C (30 Marks)

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Explain the important methods of collecting primary data and state their advantages and disadvantages.
- 17 What are the basic principles to be observed in the construction of frequency distribution? Describe the construction of histogram and ogive curves.
- 18 Compute mean, median and mode for the data given below:
- | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|
| C.I: | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 |
| F : | 42 | 38 | 120 | 84 | 48 | 36 | 31 |
- 19 Discuss how skewed distribution is normalized with an example.
- 20 Write in detail about the random sampling methods and their merits and demerits.

Z-Z-Z

END