

B.A.S.L.P. Sem – I (2017 Course) : WINTER - 2018
SUBJECT: RESEARCH METHODS AND STATISTICS

Day: Thursday
Date: 13/12/2018

W-2018-3684

Time: 10.00 AM TO 01.00 PM
Max. Marks: 75

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagrams **WHEREVER** necessary.
- 4) Answer to both the sections should be written in the **SEPARATE** answer books.

SECTION – A

- Q.1** Write short notes on **ANY THREE** out of **FOUR** of the following: **(15)**
- a) Reliability and Validity.
 - b) Variables.
 - c) Ethical issues in Research.
 - d) Research Design.
- Q.2** Attempt **ANY ONE** out of **TWO** of the following: **(10)**
- a) What is Sampling? Describe different types?
 - b) Hypothesis? Explain different types?
- Q.3** Attempt **ANY ONE** out of **TWO** of the following: **(15)**
- a) What do mean by research process? Explain different steps in brief.
 - b) Define variables and their types?

SECTION - B

- Q.4** Attempt **ANY TWO** out of **THREE** of the following: **(10)**
- a) Discuss χ^2 test of independence.
 - b) Draw Ogive's curve for the following data:-

X:	0-5	5-10	10-15	15-20	20-25	25-30
F:	5	7	10	8	6	4

- c) Form discrete frequency distribution from the following information of the blood group:-

A	O	AB	B
B	A	O	AB
O	B	A	A
B	B	O	AB
B	A	A	AB

- Q.5** Attempt **ANY ONE** out of **TWO** of the following: **(10)**
- a) Find Karl Pearson's correlation co-efficient of following:-

X:	3	4	1	7	6
Y:	5	7	4	9	10

- b) Find mean, median and mode from the following data:-

X:	0-10	10-20	20-30	30-40	40-50	50-60
F:	12	18	27	20	17	6

- Q.6** Attempt **ANY ONE** out of **TWO** of the following: **(15)**
- a) What is pie diagram? Write steps to draw Pie diagram.
 - b) Short note on Correlation.