

B.A.S.L.P. SEM – I (2017 COURSE) : SUMMER - 2018

SUBJECT: RESEARCH METHODS AND STATISTICS

Day: **Wednesday**
Date: **02/05/2018**

S-2018-3538

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.
 - b) Ethical issues in Research.
 - c) Hypothesis.
 - d) Qualities of good researcher.
- Q.2** Attempt **ANY ONE** out of **TWO** of the following: **(10)**
- a) Importance of Research methods in ASLP.
 - b) Describe different data collections methods?
- Q.3** Attempt **ANY ONE** out of **TWO** of the following: **(15)**
- a) What is sampling? Describe different types?
 - b) Define Variables and their different types?

SECTION - B

- Q.4** Attempt **ANY TWO** out of **THREE** of the following: **(10)**
- a) Find mode of the following data:-

Marks	0-25	25-50	50-75	75-100
No.of students	30	50	80	40

- b) Write short note on frequency distribution.
 - c) Define following terms
 - i) Class mark
 - ii) Cumulative frequency
 - iii) Exclusive class interval
- Q.5** Attempt **ANY ONE** out of **TWO** of the following: **(10)**
- a) Calculate mode and arithmetic mean of the following data on number of batsman got out on zero in a 12 batsmen.
4,4,12,8,9,6,12,3,6,12,15,12
 - b) Find Karl Pearson's correlation coefficient between X and Y

X:	6	8	12	15	18	20	24	28	31
Y:	10	12	51	51	8	25	22	26	28

- Q.6** Attempt **ANY ONE** out of **TWO** of the following: **(15)**
- a) Write short note on measure of dispersion.
 - b) Write properties of normal distribution.