M.Phil 1st Semester Examination, 2019

POLITICAL SCIENCE

PAPER — PLS-114

Full Marks : 50

Time : 2 hours

Answer **all** questions

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

GROUP — A

1. Classifiy data and discuss the various methods of collecting statistical data.   15

Or

Define median and calculate the median of the following data by commulative frequency method :   15

X	75-125	125-175	175-225	225-275	275-325	325-375	375-425
f	15	22	38	16	8	5	3

2. Differentiate between variables and attributes with suitable examples.   5

Or

Discuss the different errors that are likely to occur while collecting statistical data. How can it be minimized ?   5

GROUP – B

3. Characterize mean and calculate the mean of the following data by step deviation method :   15

Income in rupees	11500	12000	12500	13000	13500	14000	14500	15000
No. of Individuals	629	1705	1800	725	420	127	85	9

Or

Complete the Standard Deviation (SD) of the following distribution :   15

C.I.	0-2	3-5	6-8	9-11	12-14	15-17	18-20	20-22	23-25
f	1	3	5	7	3	5	2	4	3

4. What is the difference between quantitative and qualitative data ? Discuss with suitable examples. 5

Or

Data relating to 400 students are gives in the following frequency distribution. Calculate the modal height :

Height (in feet)	3·0-3·5	3·5-4·0	4·0-4·5	4·5-5·0	5·0-5·5	5·5-6·0
No. of Students	12	37	79	152	65	55

[*Internal Assessment* — 10 Marks]