	Name:
	Reg. No
FIRST SEMESTER EXTERNAL DEGREE EXAMINATION, DECVAN 2015-16	
	2015 admission)
CC15UPSY1CO2—PSYCHOLOGICAL STATISTICS (complementary)	
Time: Three hours	
	Maximum: 80 marks
Part A	
Objective Type questions	
2. Multiple choices. Choose correct answer:	
Which type of distribution is	6 represented by histogram?
a. Continuous	b. Normal.
c. Discrete	d. Individual
2. Which is the best measure of central tendency?	
a. mean	b. Median.
c. mode	d. C.V
3. Quartile deviation is calculated by	
$Q_1 - Q_2$	b. Q ₃ - Q ₂
$Q_3 - Q_1$	d. $Q_3 + Q_1$
4. For a symmetric distribution a mean = median = mode	
c. mode > median	b. mean > mode.
	d. mean ≠ median
5. Kurtosis is a measure of:	
a. central tendency c. dispersion	b. symmetry.
c. dispersion	d. Flatness
(b) Fill in the blanks :	
6. The class interval is determined by the formula	
7. The empirical relationship between mean median and mode is	
8. The intersection point of two ogives is 9. When we need to know the most often recurring score in a series, we use as the	
10. If $\beta \ge 3$, the kurtosis is known as	
	(10x1=10 marks)
	Turn over

Part B

Write short notes on all the questions.

- 11. What are the uses of statistics in Psychology?
- 12. What are the steps of constructing frequency distribution?
- 13. Distinguish between continuous series discrete series?
- 14. Distinguish between primary data and secondary data?
- 15. Define a pie-diagram with construction?
- 16. What are the advantages of graphical representation of data
- 17. What are the properties of good average?
- 18. Compute range and coefficient of range for the following data

Scores: 5 10 15 20 25 30 35 Frequency: 3 7 11 12 9 5 1

- 19. Compare mean deviation and standard deviation as measure of dispersion.
- 20. What is meant by kurtosis?

 $(10 \times 2 = 20 \text{ marks})$

Part C

Answer any six questions.

- 21. If the class mid points in a frequency distribution of a group of weights persons are 125,135,145,155,165,175,185,195 and 205 lbs, find (i) size of class interval; (ii) class boundaries; and (iii) class limits assuming that the weights are measured to the nearest pound.
- 22. What are the methods of collecting primary data and what are ts merits?
- 23. Explain various graphical representations data.
- 24. Calculate mode for the following data:

Class: 0-20 20-40 40-60 60-80 80-100 Frequency: 12 20 34 28 4

25. A class consisting of 20 boys and 30 girls. The average mark for boys is 57 with standard deviation 3.5 and the average mark for girls is 70 with standard deviation 5. Compute the combined mean and combined standard deviation.

 $(2 \times 10 = 20 \text{ marks})$