BPC-004

00820

BACHELOR OF ARTS (PSYCHOLOGY)

Term-End Examination

December, 2013

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 hours　　　　　　　　　*Maximum Marks : 50*

Note :　　**1.**　*Answer **any five** questions.*

　　　　　2.　*All questions carry **equal** marks.*

　　　　　3.　*Answer the theoritical questions in around 500 words.*

　　　　　4.　*Use of simple calculator may be **permitted**.*

1. Discuss graphical presentation as statistical technique for organising data.　　**10**

2. Explain various steps involved in hypothesis testing with suitable examples.　　**10**

3. Tabulate the following scores in to a frequency distribution using class interval of 4.　　**10**
   69, 79, 72, 81, 77, 62, 61, 34, 70, 78, 49, 57, 70, 39, 55, 42, 65, 71, 46, 59, 69, 43, 52, 74, 59.

4. Describe the meaning of measures of central tendency and discuss its functions.　　**2+8=10**

5. Compute mean and median from the marks obtained by 25 students as given below :　　**10**
   64, 68, 67, 61, 72, 72, 62, 71, 83, 70, 69, 76, 76, 82, 67, 83, 86, 65, 78, 81, 72, 67, 77, 75, 72.

6. Define correlation and put forth the range of correlation. Explain the term strength of correlation with suitable example. **2+8=10**

7. Find correlation coefficient using product moment method. **10**

Subjects :	a	b	c	d	e	f	g	h
Test x :	21	16	20	19	17	22	18	15
Test y :	41	41	46	43	45	50	42	40

8. Explain Chi-square test of goodness of fit with suitable example. **10**

9. Elucidate standard error degrees of freedom. How will you set the level of significance ? **5+5=10**

10. Discuss the concept of normal distribution and describe the different deviations from normality. **2+8=10**

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