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BPC-004

**BACHELOR'S DEGREE PROGRAMME
(BDP)**

(B. A. PSYCHOLOGY)

Term-End Examination

December, 2023

BPC-004 : STATISTICS IN PSYCHOLOGY

Time : 2 Hours

Maximum Marks : 50

***Note :** All Sections are compulsory. Use of simple calculator is permitted.*

Section—A

Note : Answer any *two* of the following questions in about **450** words each.

1. Discuss the types of statistics on the basis of its function and distribution of data. 10
2. Explain any *two* major statistical techniques for organising the data. 10

P. T. O.

3. Explain Quartile Deviation and compute quartile deviation for the following grouped data : 3+7

Class Interval	Frequencies
155—159	1
150—154	2
145—149	4
140—144	5
135—139	8
130—134	10
125—129	6
120—124	4
115—119	4
110—114	2
105—109	3
100—104	1

4. Explain degrees of freedom. Calculate significance of difference between means of two different independent groups as given below :

3+7

	Mean	S.D.	N
Boys	40	8.5	32
Girls	30	8.0	41

(for d.f. = 71, $t = 2.0$ at 0.05 level, $t = 2.6$ at 0.01 level).

Section—B

Note : Answer any *four* of the following questions in about **250** words each.

5. Discuss the advantages and disadvantages of non-parametric statistics. 6
6. Discuss the types of inferential procedures. 6
7. Explain the meaning of statistics. 6
8. Write the assumptions for 't' test. Calculate standard deviation for the following data : 2+4
10, 12, 11, 14, 16, 13, 14, 15, 12, 10
9. Explain the various scales of measurement. 6

Section—C

Note : Write short notes on any *two* from the following in about **100** words each.

10. Limitations of statistics 3
11. Kurtosis 3
12. Chi-square test 3