

BACHELOR OF ARTS

ASSIGNMENT

JULY 2026 - JANUARY 2027

**STATISTICAL METHODS FOR
PSYCHOLOGICAL RESEARCH- II (BPCC 108)**

**SCHOOL OF SOCIAL SCIENCES (SOSS)
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI - 110068**

Dear Learner,

As we have informed you in the Programme Guide, evaluation at IGNOU consists of two parts: i) continuous evaluation through assignments, and ii) term-end examination. In the final result, assignments of a Course will carry 30% weightage while 70% weightage is given for term-end examination (total 100 marks).

BPCC108 is a 4 + 2 credits course and has two assignments and one tutorial.

Assignment I has Descriptive Category Questions (DCQs). These are meant for writing essay type answers, with an introduction and a conclusion. These are intended to test your ability to describe understanding/knowledge about the topic in a systematic, to-the-point, and coherent manner.

Assignment II has Middle Category Questions (MCQs). These questions require you to first analyse the topic in terms of arguments and explanations and then write the answers in a concise manner. They are meant to test your ability to clearly understand concepts and processes.

Tutorial: The course on Statistical Methods for Psychological Research- II will include tutorial, that is compulsory. It will be in form of activities and evaluated by your academic counsellor. You should carefully read the course material and apply the information while answering the tutorial. These activities are meant to develop your ability to relate your knowledge to day-to day life experiences. The tutorial will be made available to you along with the assignments and they have to be submitted at your study centre.

Before you attempt the assignments, please read the instructions carefully provided in the Programme Guide. It is important that you write the answers to all the TMA questions in **your own words**. Your answers should be according to the word-limit set for a particular section. Remember, writing answers to assignment questions will improve your writing skill and sharpen your understanding of the concepts. It will also help you prepare for the term-end examination.

Submission

Session	Last Date of Submission*	To be Sent
For July 2026	31st March, 2027	To The Coordinator of the Study Centre allotted to you
For January 2027	30th September, 2027	
	(Please check the dates from www.ignou.ac.in)	

* You need to submit the assignments within the stipulated time for being eligible to appear in the term-end examination.

Please obtain a receipt from the study centre for the assignments submitted and retain it. Also keep a photocopy of the assignments with you. The Study Centre will return the assignments to you after they are evaluated. The completed assignment should be sent **only** to the Coordinator of the Study Centre allotted to you.

Following instructions are to be carefully followed before writing the assignments:

1. You will find it useful to keep the following points in mind:
 - i. **Planning:** Read the assignments carefully. Go through the Units on which they are based. Make some points regarding each question and then re-arrange these in a logical order.
 - ii. **Organisation:** Read the study material carefully, analyse it, and then prepare a rough outline of your answer. Give adequate attention to your introduction and conclusion. Make sure that your answer:
 - a) is logical and coherent;
 - b) has clear connections between sentences and paragraphs;
 - c) is written correctly giving adequate consideration to your expression, style and presentation
 - iii. **Presentation:** Once you are satisfied with your answers, you can write down the final version for submission. Write each answer neatly with proper spacing, and underline the points you wish to emphasise. Make sure that the answer is around the suggested word limit.
2. Use A4 size ruled paper for your response and tie all the pages carefully. Allow a four cm margin on the left and leave some space between each answer. This will facilitate the evaluator to write useful comments in the margin at appropriate places.
3. **Answers should be in your own handwriting.** Do not print or type the answers. Do not copy your answers from the study material sent to you by the University or from other learners. If you copy, you will get zero marks for the respective question.
4. You need to attach a copy of the TMA with the completed assignment before submitting it.
5. In case you have requested for a change of Study Centre, you should submit your Tutor Marked Assignments only to the original Study Centre until the change of Study Centre is notified by the University.
6. If you find that there is any factual error in evaluation of your assignments, e.g., any portion of assignment response has not been evaluated or total of score recorded on assignment response is incorrect, you should approach the coordinator of your study centre for correction and transmission of correct score to headquarters.

Wish you all the best!

STATISTICAL METHODS FOR PSYCHOLOGICAL RESEARCH- II (BPCC 108)

Tutor Marked Assignments (TMA)

Course Code: BPCC 108

Assignment Code: Asst /TMA /July 2026- January 2027

Total Marks: 100

NOTE: All assignments are compulsory.

Instructions:

1. Have a title page. Include details like Name, Enrolment number, Email id, Regional Centre, Study Centre, Programme Title and code, Course title and code and Tutorial code.
2. Use A4 size paper for the tutorial (ruled/ bank).
3. For making tables, blank pages can be used and tables/ graphs (if any) to be drawn in pencil.
4. Content should not be plagiarised.

Part A **Assignment One**

Answer the following questions in about 500 words each (wherever applicable).

Each question carries 20 marks.

2 x 20 = 40

1. Explain the hypothesis testing and describe the procedure for testing.
2. Compute One Way ANOVA (parametric statistics) for the following data:

	Scores obtained on Family Environment Scale				
Group A	2	5	4	5	4
Group B	2	5	1	4	3
Group C	6	2	5	4	1
Group D	3	4	2	1	2

Assignment Two

**Answer the following questions in about 100 words each (wherever applicable).
Each question carries 5 marks.**

$$6 \times 5 = 30$$

3. Differentiate between parametric and non-parametric statistics.
4. Compute Chi square for the following data:

	Responses	
	Agree	Disagree
Group A	2	6
Group B	4	5

5. Elucidate Mann Whitney U test.
6. Compare between Kruskal Wallis ANOVA tests and one way ANOVA (parametric test).
7. Compute one sample median test for the following data:

30	32	31	34	23	35	45	43	20	19
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8. Explain data view, variable view and output view in SPSS.

PART B
TUTORIAL

Course Code: BPCC 108
Tutorial Code: Tutorial /July 2026-27
Total Marks: 30

Note: You need to complete the activity as instructed. All the activities are compulsory.

Instructions:

1. Have a title page. Include details like Name, Enrolment number, Email id, Regional Centre, Study Centre, Programme Title and code, Course title and code and Tutorial code.
2. Use A4 size paper for the tutorial (ruled/ bank).
3. For making tables, blank pages can be used and tables/ graphs (if any) to be drawn in pencil.
4. Content should not be plagiarised.
5. Tutorial should be handwritten.

Activity 1: A research was carried out to study if significant difference exists in adjustment across three phases of adolescence. The results of one-way ANOVA obtained using SPSS are given below. Interpret the results and state if a significant difference exists in adjustment across the three phases of adolescence.

Adjustment	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6607.190	2	3303.595	20.863	0.000
Within Groups	81232.019	513	158.347		
Total	87839.209	515			

5 marks

Activity 2: Collect data from 30 employed adults (15 males and 15 females) and ask them about their present age and years of work experience. Using Microsoft Excel, compute mean, standard deviation and t test. Report the results thus obtained, mentioning the steps followed while computing.

10 Marks

Activity 3: Take any one unit from Block 4 of BPCC108 and write a review of the same in about 1000 words. The review needs to be in your own words and should cover the important aspects of the unit.

15 Marks

ALL THE BEST