

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
*Department of Educational Planning,
Policy Studies and Leadership*

**SUBJECT: MAILING PACKAGE OF M.A EPM-6570 “EDUCATIONAL RESEARCH AND STATISTICS-II”
SPRING 2014, SEMESTER**

Dear Students,

Assalam-o-Alaikum,

I feel great pleasure to welcome you in the MA EPM-6570 course “**Educational Research and Statistics-II**” in the current semester. The course, as you would feel it, is meant for equipping the prospective planners and administrators with the skills and techniques required by them. I hope you would find this course quite interesting as well as useful in your professional development. I am sure that the successful completion of this course will be a major step towards achievement of the MA EPM degree from the University in due course of time.

This mailing package contains:

- i) Course Book (Units 1–9)
- ii) Two Assignments
- iii) Assignment Proformas (6)
- iv) Schedule for Submitting Assignments
- v) Acknowledgement Receipt

You will receive your workshop assignment in due course which you would be required to present and submit in writing in the forthcoming workshop of the course at the end of the semester.

Towards the end I wish you a happy and enjoyable semester. My services are available as and when required.

With best wishes.

Yours sincerely,

(Ms. Sarwat Maqbool)
Course Coordinator

ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD
(Department of EPPSL)

WARNING

1. **PLAGIARISM OR HIRING OF GHOST WRITER(S) FOR SOLVING THE ASSIGNMENT(S) WILL DEBAR THE STUDENT FROM AWARD OF DEGREE/CERTIFICATE, IF FOUND AT ANY STAGE.**
2. **SUBMITTING ASSIGNMENTS BORROWED OR STOLEN FROM OTHER(S) AS ONE'S OWN WILL BE PENALIZED AS DEFINED IN "AIOU PLAGIARISM POLICY".**

Course: Educational Research and Statistics-II (6570)

Level: MA–EPM

Semester: Spring, 2014

Total Marks: 100

Pass Marks: 40

Note: Before attempting assignments, please read the following instructions:

1. Please write your assignment in legible handwriting (Typed assignment will not be accepted).
2. Please submit the assignment on or before the specified date.
3. Late assignment will not be accepted in any case.
4. All questions carry equal marks.

ASSIGNMENT No. 1

(Units: 1–5)

- Q. 1 Why it is important for a student of research to learn the basic concepts and techniques of statistics? How does it help in educational research? **(20)**
- Q. 2 Describe the concepts of measures of central tendency in detail, with suitable examples from the field of education. **(20)**
- Q. 3 Define variability, range standard deviation and standard scores. **(20)**
- Q. 4 (a) Find out Mean and Median from the following frequency distributions: **(05)**

Class	Frequencies
6-10	3
11-15	3
16-20	3
21-25	8
26-30	4
31-35	5
36-40	4

- (b) Clearly describe the concept of correlation and use of measures of relationship in educational planning and management. (15)

- Q. 5 Write short notes on the following: (4x5=20)
- i. Contingency coefficient
 - ii. Use of standard scores
 - iii. Percentile Ranks
 - iv. Grouped frequency distribution

ASSIGNMENT No. 2

(Units: 6–9)

Total Marks: 100

Pass Marks: 40

Note: All questions carry equal marks.

- Q. 1 Discuss in detail how computers are being used for data analysis in education. (20)
- Q. 2 Explain how the review of related literature can be done effectively to prepare the theoretical framework of research study. (20)
- Q. 3 In your opinion what are the major steps involved in evaluation of a research report. (20)
- Q. 4 What is probability; discuss normal probability curve in detail, with suitable examples from the field of education? (20)
- Q. 5 Write short note on the following: (4x5=20)
- i. Sampling distribution
 - ii. Distribution and degree of freedom
 - iii. Descriptive data analysis
 - iv. Hardware and software

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