

**ALLAMA IQBAL OPEN UNIVERSITY, ISLAMABAD**  
**(Department of Science Education)**

**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: Laboratory Organization Management and Safety Methods (698)**

**Level: M.Ed**

**Semester: Autumn, 2012**

**Total Marks: 100**

**Pass Marks: 40**

**ASSIGNMENT No. 1**

**(Units 1–5)**

- Q.1 Pupils management in the laboratory is very important. How this will be possible?  
Give your suggestion in this regard? (10)
- Q.2 Compare the designs of Laboratories occur in Pakistan and Malaysia. (10)
- Q.3 Explain the procedure of inspection and maintenance of laboratories and equipment. (10)
- Q.4 Explain the guidelines in preparing lists of requirements for the management of science laboratory. (10)
- Q.5 How teacher can improve the laboratory techniques with regard to Glass working skills? (10)
- Q.6 What are the barriers, which affect the Learning in laboratory at school level in Pakistan? (10)
- Q.7 Explain the present practice of teaching in our schools and colleges laboratories?  
Give suggestions for the change. (10)
- Q.8 How aims and objectives of laboratory teaching are different from the classroom teaching? Explain? (10)
- Q.9 What are the factors responsible for the decline of learning sciences skills in our country? (10)
- Q.10 Explain the role of Practical work in Chemistry Education. (10)

## **ASSIGNMENT No. 2**

**(Units 6–9)**

**Total Marks: 100**

- Q.1 Explain that how the laboratory course should be sequenced? (10)
- Q.2 Write a comprehensive essay on experimental investigations. (10)
- Q.3 Explain the role of research projects with regards to students learning in the laboratory. (10)
- Q.4 Explain the factors influencing sequencing of laboratory work. (10)
- Q.5 Explain the following: (10)
- a) Pre-laboratory activities
  - b) Post-laboratory activities
- Q.6 Explain the role of Assessment to take feedback of the work done in laboratories. (10)
- Q.7 Explain the science laboratory safety rules and techniques. (10)
- Q.8 What are the steps in a course of action for a person First Aid? (10)
- Q.9 Explain your views about the practical work at Secondary School level in Pakistan. (10)
- Q.10 Explain this idea that, “Laboratories are one of the characteristic features of education in the science at all level”. (10)