

# ALLAMA IQBAL OPEN UNIVERSITY

<b>LEVEL</b>	<b>M.A/M.ED ( SCIENCE EDUCATION)</b>	<b>SEMESTER</b>	<b>SPRING 2022</b>
<b>COURSE CODE</b>	<b>LABORATORY ORGANIZATION, MANAGEMENT AND SAFETY METHODS.(698) 2</b>	<b>MAX.MARKS</b>	<b>100</b>
<b>TIME ALLOWED</b>	<b>03 HOURS</b>	<b>PASS.MARKS</b>	<b>40/50</b>

**NOTE: ATTEMPT FIVE QUESTION.ALL CARRY EQUAL MARKS.**

<b>Q.NO.</b>	<b>QUESTIONS</b>	<b>MARKS</b>
<b>Q.NO.1</b>	Elaborate terms related to Emergency services. Also write procedures for general emergency in school laboratories.	<b>20</b>
<b>Q.NO.2</b>	Describe different First Aid Techniques during laboratory work.	<b>20</b>
<b>Q.NO.3</b>	Explore the Role of Ventilation in science laboratory. What type of Hazards are associated with Ventilation.	<b>20</b>
<b>Q.NO.4</b>	What is the role of Motivation and interest in sequencing of activities for science teaching? Discuss.	<b>20</b>
<b>Q.NO.5</b>	What are general laboratory safety methods. Also describe how to identify chemical, biological, fire and radiation hazards in laboratory.	<b>20</b>
<b>Q.NO.6</b>	Discuss the barriers to change related to laboratory work in developing countries.	<b>20</b>
<b>Q.NO.7</b>	Critically discuss commonly used. Design of laboratory in Pakistani schools.	<b>20</b>
<b>Q.NO.8</b>	Describe Criterion Referenced Tests. Discuss use of CRT in laboratory assessment.	<b>20</b>