

# ALLAMA IQBAL OPEN UNIVERSITY

<b>LEVEL</b>	<b>M.A/M.ED</b>	<b>SEMESTER</b>	<b>Autumn 2021</b>
<b>PAPER</b>		<b>TIME ALLOWED</b>	<b>3 Hours</b>

**NOTE: ATTEMPT ANY FIVE QUESTION.**

<b>Q.NO.</b>	<b>QUESTIONS</b>	<b>MARKS</b>
<b>Q.NO.1</b>	Explore abilities required for a Science Teacher, for development of a new laboratory?	<b>20</b>
<b>Q.NO.2</b>	Give a comprehensive note for the procedure of purchase. What is importance of invoice?	<b>20</b>
<b>Q.NO.3</b>	What are special solutions for removing a particular kind of stain. Write type of stain and method of removing stains?	<b>20</b>
<b>Q.NO.4</b>	How will you overcome barriers for changing lab practices in Pakistan ?	<b>20</b>
<b>Q.NO.5</b>	Give your reflections on aims and objectives for laboratory courses in Pakistan?	<b>20</b>
<b>Q.NO.6</b>	How will you bring change and modify your laboratory as science teacher or science education?	<b>20</b>
<b>Q.NO.7</b>	Critically analyze assessment practices in science laboratory in your area?	<b>20</b>
<b>Q.NO.8</b>	Elaborate general laboratory techniques: Answer with help of your own experiences ?	<b>20</b>