

# ALLAMA IQBAL OPEN UNIVERSITY

<b>LEVEL</b>	<b>M.A/M.ED</b>	<b>SEMESTER</b>	<b>Autumn 2021</b>
<b>PAPER</b>	<b>TEACHING STRATEGIES IN SCIENCE EDUCATION (696)</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>	Explain the concept of knowledge of nature of science and its application in teaching of science of secondary level ?	<b>20</b>
<b>Q.NO.2</b>	Elaborate learning cycle in detail : provide example to explain each phase ?	<b>20</b>
<b>Q.NO.3</b>	Difference between instructional objective and learning outcomes. Explain Bloom's Cognitive domain for writing learning outcome ?	<b>20</b>
<b>Q.NO.4</b>	Write the principles of effective use textbook in science classroom. Also highlight the issues in implementation of these principles ?	<b>20</b>
<b>Q.NO.5</b>	Elaborate different types of demonstration techniques for teaching of science at secondary level?	<b>20</b>
<b>Q.NO.6</b>	Explain the use of guided discovery for teaching of science at by providing example from the content of secondary level?	<b>20</b>
<b>Q.NO.7</b>	How problem solving programs are better than tutorial programs? Elaborate the importance of technology integration for science teaching?	<b>20</b>
<b>Q.NO.8</b>	Highlight strategies for individualizing science teaching at secondary level ?	<b>20</b>