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**UKA TARSADIA UNIVERSITY**  
**Integrated M.Sc. Biotechnology (SEM III)**

**060020309: AECC 3 DISASTER MANAGEMENT**

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<b>UNIT I</b>	<b>NATURAL DISASTERS</b>	<b>[12 hours]</b>
	Meaning types and effects of: Floods, drought, cyclone, earthquakes, landslides, avalanches, volcanic eruptions, Heat and cold waves, climate change, global warming, sea level rise, ozone depletion	
<b>UNIT II</b>	<b>MAN MADE DISASTERS</b>	<b>[12 hours]</b>
	Nuclear, chemical, biological, building fire, coal fire, forest fire, oil fire, air pollution, water pollution, deforestation, industrial waste water pollution, road, rail, air and sea accidents, terrorism	
<b>UNIT III</b>	<b>DISASTER MANAGEMENT</b>	<b>[12 hours]</b>
	Concept of disaster management, National disaster management framework, Role of NGOs, community - based organizations and media, Role of central, state, district and local administration, Role of armed forces, police and other organizations. Efforts at national and global level to mitigate disaster	
<b>UNIT IV</b>	<b>POST DISASTER MEASURES</b>	<b>[12 hours]</b>
	Damage assessment, Reconstruction and rehabilitation, funding arrangements, dealing with victim's psychology, long term recovery, long term job opportunities and livelihood options	