

**0806E487**

Candidate's Seat No : \_\_\_\_\_

**M.Sc Sem.-2 Examination****P - 408****Toxicology****June 2022****Time : 2-00 Hours]****[Max. Marks : 50**

<b>Q.1</b>	<b>Answer the Following Questions (Any Six)</b>	<b>42 Marks</b>
<b>1</b>	Explain cell mediated immune response in details.	
<b>2</b>	Give detail account about type 2 hypersensitivity with example.	
<b>3</b>	Define proteomics. Give a brief note on various techniques used for proteomic analysis	
<b>4</b>	Explain metabolic. Describe the analytical techniques used in metabolomic studies	
<b>5</b>	Describe the process of drug discovery with emphasis on insilico method	
<b>6</b>	Give a brief note on proteomics with special emphasis on separation techniques	
<b>7</b>	Describe the process of 2D-PAGE & its application in toxicology	
<b>8</b>	Write a brief note on LCMS technology with reference to metabolomic analysis	
<b>9</b>	Describe preclinical phases of drug discovery. Cite examples of in vivo models in toxicology	
<b>10</b>	Explain various phases of clinical trials	
<b>Q.2</b>	<b>Answer the Following Short Questions (Any Eight)</b>	<b>8 Marks</b>
<b>1</b>	Expand the term LCMS?	
<b>2</b>	What is the function of Tc cells?	
<b>3</b>	Define multivalent epitopes.	
<b>4</b>	Which type of immune system is known as first line of defense?	
<b>5</b>	What is phagocytosis?	
<b>6</b>	Which type of hypersensitivity is also known as IgE mediated hypersensitivity?	
<b>7</b>	Expand the term NMR	
<b>8</b>	Expand the term LFT	
<b>9</b>	Define the m/z?	
<b>10</b>	Define the IC50?	

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