2016

Time: 2 hours

Fuli Marks : 40

The figures in the right-hand margin indicate marks.

Answer any four questions.

(MICROBIOLOGY AND IMMUNOLOGY)

- (a) What are the major divisions in Fungi ?
 Describe, in detail, their important characteristics.
 - (b) Describe, in detail, nutritional requirements of bacteria and function of major and trace elements in the bacterial cell. 3
 - (c) Describe the major ways in which viruses are different from living cells.
- (a) What are the various effector functions performed by antibody? Explain all, in detail, with neat diagram.

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	(b)	Draw a neat and well labelled diagram of a
		primary and secondary lymphoid organ
		each. 3
	(c)	Discuss Wiskott-Aldrich Syndrome. 2
6.	(a)	What are MHC molecules ? Write a detailed
		note on these molecules with well labelled
		diagram. 5
	(b)	Write a detailed note on SCID. 3
	(c)	What are Isotypes, Allotypes and Idiotypes?
		Show with diagram. 2
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