

[LB 356]

NOVEMBER 2012  
M.PHARM. DEGREE EXAMS  
FIRST YEAR

Sub. Code: 2917

BRANCH VI – PHARMACEUTICAL BIOTECHNOLOGY  
PAPER II – PHARMACEUTICAL ASPECTS OF MICROBIAL  
AND CELLULAR BIOLOGY

*Q.P. Code : 262917*

Time : 3 hours  
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

**I. Elaborate on :**

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Explain the structure, chemistry, morphology and reproduction of fungi. Write the Industrial importance of fungi.	17	40	20
2. Discuss the hypersensitivity reactions and auto immune diseases.	17	40	20

**II. Write Notes on :**

1. Synthesis of DNA.	4	10	6
2. Animal cell culture media.	4	10	6
3. Conjugation and Transduction.	4	10	6
4. Mechanism of action of anti-microbial agents.	4	10	6
5. Cultivation and enumeration of viruses.	4	10	6
6. Mutagenesis and repair mechanisms.	4	10	6
7. Etiology, Pathology and control of any two viral diseases.	4	10	6
8. Immuno-deficiency diseases.	4	10	6
9. Describe the fuelling reaction of aerobic organisms.	4	10	6
10. Actinomycetes.	4	10	6

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