

Please check whether you have got the right question paper.

- N.B:
1. All questions are **compulsory**.
 2. Draw **neat** and **labeled** diagrams, wherever **necessary**.
 3. **Figures** to the **right** indicate **full marks**.

- Q.1** Give an account of the contributions of the following Mycologists in the field of mycology and plant pathology. **12**
- a) C. J. Alexopoulos
 - b) R. N. Tandon
- OR**
- Q.1** Describe isolation of soil mycoflora by any one of the following method. **12**
- a) Baiting technique
 - b) Warcup method
- Q.2** Give an account of the classification of Mastigomycotina and Zygomycotina as proposed by Ainsworth. **12**
- OR**
- Q.2** Describe the life cycle of *Physarum polycephalum*. Add a note on its Systematic position. **12**
- Q.3** Discuss the role of Potassium and Carbon in nutrition of fungi. **12**
- OR**
- Q.3** Give a detailed account of Saprophytism as a mode of nutrition. **12**
- Q.4** Give a detail account of chemical composition and functional attributes of a fungal cell wall. **12**
- OR**
- Q.4** Explain in detail the effect of radiations and light on fungal growth. **12**
- Q.5** Write short notes on **any three** of the following :- **12**
- a) Basidiocarp of *Ganoderma*
 - b) V. S. of stroma
 - c) Antagonism
 - d) Panthothenic acid as a nutrient
 - e) M. N. Kamat
 - f) Keratinophilic fungi
