



**SA-1563**

**Second Year M. B. B. S. Examination**

**February / March – 2011**

**Microbiology : Paper - I**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="SECOND YEAR M. B. B. S."/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="MICROBIOLOGY"/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="6"/> <input type="text" value="3"/>	Section No. (1, 2,.....) : <input type="text" value="Nil"/>
Student's Signature	

(2) Draw figures where **necessary**.

- 1 Discuss in detail : (any two) 8
- (a) Applications of Fluorescent Microscopy
- (b) Special staining of bacteria and its application in Microbiological diagnosis
- (c) Bacterial growth curve.
- 2 Write notes on : (any three) 12
- (a) Classify immunity; write the importance of passive immunity with examples.
- (b) Immune complex diseases
- (c) Sterilization by Radiation
- (d) Resistance Transfer Factor.
- 3 Write notes on : (any two) 8
- (a) Microscopic structure of various morphological forms of *Entamoeba histolytica*
- (b) Trypomastigote
- (c) Laboratory diagnosis of Hydatid cyst disease.
- 4 Write notes on : (any three) 12
- (a) Preparation of blood smears for detection of pathogenic protozoa
- (b) Black water fever
- (c) Morphology of a Strobila
- (d) Complications of Filariasis.