



Z-4665

Seat No. _____

Second Year M.B.B.S. Examination

February – 2006

Microbiology

Time : **3 Hours**]

[Total Marks : **80**

- Instructions :** (1) Figures on **right** side indicate **full** marks.
(2) Draw neat and clean diagram wherever **necessary**.
(3) Write Paper - **I** and Paper - **II** in **separate** answer books.

Paper - I

- 1** Write short notes on : (any **four**) **16**
(a) Laboratory diagnosis of cholera
(b) Pathogenicity of *N gonorrhoeae*
(c) Laboratory diagnosis of urinary tract infection
(d) Pathogenicity of streptococcus pyogenes
(e) Nagler's reaction.
- 2** Write short notes on : (any **four**) **16**
(a) Elek's test
(b) Sterilisation by moist heat
(c) Bacterial cell wall
(d) Methods of Isolating pure culture
(e) Cell mediated immunity.
- 3** Write answers in 2-3 sentences : (any **four**) **8**
(a) What is heterophile antigen ? Give examples.
(b) Give four important contributions of Louis Pasteur.

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[Contd...

- (c) Name four chemical agents used as disinfectants.
- (d) Name four bacteria causing food poisoning
- (e) Name two enriched media and two enrichment media
- (f) Define plasmids. Enumerate two properties attributed to plasmids.

Paper - II

- 4** Write short notes on : (any **four**) **16**
- (a) Laboratory diagnosis of Kala-azar
 - (b) Life cycle of *Echinococcus granulosus*
 - (c) Guineaworm infestation
 - (d) Pathogenicity and clinical features of *wuchereria bancrofti*
 - (e) Difference between Amoebic and Bacillary dysentery.
- 5** Write short notes on : (any **four**) **16**
- (a) Classification of fungi with examples
 - (b) Inclusion bodies
 - (c) Infections caused by *Mycoplasma*
 - (d) Cryptococcosis
 - (e) Viral vaccines
- 6** Write answers in 2-3 sentences : (any **four**) **8**
- (a) Name two fungi causing meningitis.
 - (b) Enumerate various antigens of Hepatitis B
 - (c) In which parasites the mode of infection is by penetration of skin
 - (d) Name the sexual spores of fungi.
 - (e) Enumerate mosquito borne diseases.
 - (f) Name four oncogenic viruses.