



AT-1922

Seat No. _____

B. Sc. (Sem. VI) Examination

March / April - 2018

Microbiology : MI - 603

(Medical Microbiology)

(Core Course)

Time : 3 Hours]

[Total Marks : 70

- 1 (a) Discuss in detail : (Any Two) 12
- (1) Diseases of Respiratory system
 - (2) Diseases of Nervous system
 - (3) Diseases of Digestive system.
- (b) Briefly describe Any Three diseases : 6
- (1) Define the terms (a) Impetigo,
(b) Ophthalmia neonatorum
 - (2) Name the causative agent of (a) Acne
(b) Syphilis
 - (3) Name the organ involve in said disease
(a) Otitis media, (2) Gas gangrene
 - (4) Enlist the diseases caused by viruses in humans.
- 2 (a) Explain in detail : (Any Two) 12
- (1) What is normal flora ? Write about normal flora of Skin.
 - (2) Non-specific host defense mechanism.
 - (3) Bacterial endotoxins.

- (b) Answer the questions in short : (Any Three) 6
- (1) List two components of bacteria that are responsible for adherence to host tissues
 - (2) Name the normal flora of (a) GI tract (b) Mouth
 - (3) What factors make the following environment difficult to colonize (a) Skin, (b) Trachea, (c) Stomach
 - (4) Mention the characteristics of normal flora.
- 3 (a) Discuss in detail : (Any Two) 12
- (1) What is Vector ? Discuss Vector-borne disease with suitable examples.
 - (2) Antigen drift & shift.
 - (3) Herd immunity.
- (b) Answer the questions in short : (Any Three) 6
- (1) What is STD ? Give the examples of it.
 - (2) What is Epizootics and zoonoses ?
 - (3) Full form of (a) SARS (b) RMSF
 - (4) Put your suggestion to control the Epidemics.
- 4 (a) Give detail on followings : (Any Two) 12
- (1) Types of vaccines.
 - (2) Application of Prophylactic therapies.
 - (3) Explain the terms : Immunization, Adjuvant, Serum, Antiserum, Anamnesis, Toxoids.
- (b) Answer the questions in short : (Any Two) 4
- (1) Give the full form of (a) MMR (b) DPT (c) BCG
 - (2) Give the three examples of Attenuated virus vaccine.
 - (3) Mention the 3-4 species of Plasmodium, a causative agent of Malaria.