



HAE-4819

Seat No. _____

Second Year B. D. S. Examination

June / July - 2017

**Pathology &
General Microbiology**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Write each section in separate answer book.
(2) Draw neat diagram when necessary.
(3) Figures to right indicate full marks.
(4) Attend all questions.

SECTION - I (Pathology)

- 1** Define shock. Name the various types of shock. Discuss pathophysiology of septic shock. **10**

OR

- 1** Define Amyloidosis. Discuss chemical structure. Classification and staining properties of Amyloidosis. **10**

- 2** Answer in brief : (Any **Five**) **10**

- (a) Cloudy swelling.
- (b) Factors affecting wound healing.
- (c) Pigment disorders.
- (d) Protein-Energy Malnutrition.
- (e) Mechanism of spread of tumors.

- 3** Write short notes on : (Any **Five**) **15**

- (a) E.S.R.
- (b) Define Anaemiz. Give P/s findings of Iron Deficiency Anaemia.
- (c) Pleomorphic Adenoma.
- (d) Leukemoid Reactions.
- (e) Premalignant oral lesions.
- (f) Dentigerous cyst.

SECTION – II (General Microbiology)

- 4 Enumerate different types of Antigen-Antibody Reactions. 10
Describe Precipitation Reactions in detail.

OR

- 4 Describe Morphology, Cultural Characteristics, 10
Pathogenicity, Laboratory, Diagnosis and Prophylaxis of
"Corynebacterium diphtheria."

- 5 Write notes on any two : 10
(a) Laboratory Diagnosis of Plasmodium falciparum.
(b) Pathogenicity of Human Immunodeficiency Virus.
(c) Superficial Mycosis

- 6 Answer in brief : (Any Five) 15
(a) Draw and label the diagram of Immunoglobulin M.
(b) What is Mantoux test? What is the Principle and use
of this test ?
(c) Give three differences between Amoebic and Bacillary
Dysentery.
(d) Mention methods that are used for the cultivation of
viruses and uses of each method.
(e) What is the dimorphic fungus? Give four examples of
dimorphic fungi.
(f) Explain the Principle of Autoclave. Give examples of
several types of Autoclave and its uses.