

Reg. No.:.....

**First Year MHA Degree Supplementary Examinations March 2025**  
**Paper VII – Basic Medical Sciences & Epidemiology**

**(Common for 2013 and 2016 Scheme)**

**Time: 3 Hours**

**Max Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*
- *Write Section A and Section B in separate answer books (32 Pages). Do not mix up questions from section A and section B*

**QP Code:130380**

**Section A – Basic Medical Sciences**

**50**

**Essay:**

**(20)**

1. Describe the anatomy and functions of respiratory system. Give a brief overview of the mechanism of respiration and its regulation.

**Short Essay:**

**(10)**

2. Describe pasteurization and its significance. Mention a few milk-borne diseases.

**Short notes:**

**(4x5=20)**

3. Functions of pituitary hormones
4. Secretions of Gastrointestinal tract
5. Electrocardiography (ECG)
6. Autonomic nervous system

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**QP Code:131380**

**Section B – Epidemiology**

**50**

**Essay:**

**(20)**

1. Describe the epidemiology of Tuberculosis. What is the diagnostic, surveillance, and the treatment measure for Tuberculosis

**Short Essay:**

**(10)**

2. Describe the risk factors for coronary heart diseases.

**Short notes:**

**(4x5=20)**

3. Leprosy
4. Japanese encephalitis
5. Disinfection
6. Sources of bias in interpretation of research

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