

27 OCT 2025

26641

SEAT NO. \_\_\_\_\_

**SECOND PROFESSIONAL B.H.M.S. EXAMINATION  
PATHOLOGY AND MICROBIOLOGY PAPER - I  
SUBJECT CODE: HOM UG-PATH-M**

**TIME: 3 HOURS**

**TOTAL MARKS: 100**

- INSTRUCTIONS:** 1. ATTEMPT ALL THE QUESTIONS.  
2. DRAW DIAGRAMS WHEREVER NECESSARY.  
3. FIGURES IN RIGHT INDICATES FULL MARKS

**Q – 1 Multiple Choice Questions.**

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- 1) All are cellular adaption except
  - a) Hypertrophy
  - b) Hyperplasia
  - c) Metaplasia
  - d) Necrosis
- 2) Immune complex mediated reaction
  - a) Type I
  - b) Type II
  - c) Type III
  - d) Type IV
- 3) Increase blood volume in a tissue is known as a
  - a) Hypermia
  - b) Edema
  - c) Purpura
  - d) petechiae
- 4) In shock, characteristic feature is
  - a) Cardiac failure
  - b) Poor perfusion of tissue
  - c) Cyanosis
  - d) Edema
- 5) Reed Sternberg cells are found in
  - a) Hodkin's disease
  - b) Sickle cell aneamia
  - c) Thalassemia
  - d) CML
- 6) Best indicator for coronary artery disease
  - a) HDL
  - b) LDL
  - c) VLDL
  - d) Chlomicron
- 7) Bronchitis means -----of bronchi
  - a) Inflammation
  - b) Necrosis
  - c) Dilatation
  - d) Cavity
- 8) Most common site of peptic ulcer in duodenum
  - a) 1<sup>st</sup> part
  - b) 2<sup>nd</sup> part
  - c) 3<sup>rd</sup> part
  - d) 4<sup>th</sup> part
- 9) BRCA2 not associated with
  - a) Breast cancer
  - b) Prostate cancer
  - c) Ovarian Cancer
  - d) Vulval cancer
- 10) Rheumatoid factor is directed against
  - a) IgG
  - b) IgD
  - c) IgM
  - d) IgA

**Q – 2 Short Answer Questions**

40

- 1) Coagulative Necrosis
- 2) Hypertrophy
- 3) Pathogenesis of autoimmunity
- 4) Type-IV Hypersensitivity reaction
- 5) Pulmonary Embolism
- 6) Aetio-pathogenesis of Myocardial ischemia
- 7) Lobar Pneumonia
- 8) Aetiology of Carcinoma of Prostate

**Q – 3 Long Answer Questions**

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- 1) Define acute inflammation. Describe in detail aetio-pathogenesis of acute inflammation.
- 2) Define Neoplasia with classification. State the characteristic of tumor.
- 3) Define thrombosis. Describe in detail aetio-pathogenesis and morphology of it.
- 4) Define Anemia with classification. Describe in detail in megaloblastic anemia.
- 5) Define Peptic ulcer with aetio-pathogenesis and morphology.