

**RUHS Second MBBS (Main) Examination****Pathology Paper -I****Date: February 2019 Time: 3 hours Max Marks: 40**

Instructions: Question 1 in Section A and Question 4 in Section B are Compulsory. Attempt any one question from rest of the questions in each section. (Use separate answer sheet for each section)

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**SECTION - A**

1. Define shock. Enumerate types of shock. Describe etiopathogenesis of septic shock. (A. 108, B. 129-130) (10)
2. Write Short notes on the following:
  - a) Prostaglandins in inflammation
  - b) Down's syndrome (B. 161)
  - c) Type I hypersensitivity reaction (A. 73, B. 198)
  - d) Endogenous pigments
  - e) Chemical carcinogenesis
3. Describe differences between the following;
  - a) Dystrophic calcification & metastatic calcification (A. 51, 52, B. 38)
  - b) Wound healing by primary intention & Secondary intention
  - c) Granuloma & Granulation tissue
  - d) Dry gangrene & wet gangrene (A. 51)
  - e) Primary Amyloidosis & secondary Amyloidosis

**SECTION B**

4. Describe the etiopathogenesis gross and microscopic features of peptic ulcer in stomach, mention the complications of a peptic ulcer.
5. Write Short notes on the following;
  - a) Fibroadenoma breast (A. 75-7)
  - b) Alcoholic hepatitis
  - c) Tuberculous osteomyelitis
  - d) Vegetation of heart

- e) Glioblastoma multiforme (Astrocytoma grade IV)
6. Write Short notes on the following;
- a) Chronic pyelonephritis
  - b) Risk factors in atherosclerosis
  - c) Adenoma carcinoma sequence in colonic carcinoma
  - d) Benign cystic Teratoma ovary (Dermoid cyst ovary) (A. 746, B. 1047)
  - e) Morphological features of Bronchiectasis lung

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