

2017/18



Academic Year: 2017/2018

Level: Under graduate

Academic program:

Department: Pathology

Course Code:

Course: Pathology

N. of exam paper: 1

Date: 2018

Time allowed: 2 hours

Total score: 80

**1. Give a short account on (5 marks each)**

- Apoptosis
- Course and fate of acute inflammation
- Metastatic calcification
- Causes of thrombosis
- Spread of malignant tumors.
- Fatty degeneration
- Healing of wound by secondary intention.

**2. Define: (3 marks each)**

- Gangrene
- Osteosarcoma
- Atrophy
- Adenocarcinoma
- Granuloma

**3. Complete (two marks each)**

- Two examples of acute inflammatory cells are .... and .....
- Two examples of permanent cells are ..... and .....
- Two examples of hyperplasia are..... and .....
- Two complications of repair are ..... and .....
- Two examples of benign mesenchymal tumors are..... and .....

**4. Compare in a table (10 marks each)**

- Acute and chronic inflammation.
- Benign and malignant tumors.

Good Luck

**Exam instruction**

1- It is necessary to answer only the obligatory questions. 2- Only the blue pen and pencil are allowed to use in the answer sheet 3- Only one sheet answer is allowed for every student- It is not allowed to borrow the tools (pen, pencils, drawing tools, calculator ...etc) 4- It is not allowed to use the cell phone or any of its application during the time of exam.