

Examination for Diploma Degree in: Internal Medicine

Course Title: Microbiology & Immunology

Date: 24/8 /2021

Term: 1st part

Time Allowed: 3 hours (with pathology & clinical pathology)

Total Assessment Marks: 45

All questions to be answered



*Tanta University
Faculty of Medicine
Department of Microbiology
and Immunology*

Q1: Enumerate: (2.5 marks each)

- Types of disinfectants/antiseptics with examples.
- Explain Mechanisms of antimicrobial drug resistance

Q2: Give short account on the following

- Enumerate the biologic functions of activated complement (4 marks)
- Mention clinical examples of Type II hypersensitivity (4 marks)
- Importance of MHC antigen (4 marks)

Q3: (3 marks)

Define Nosocomial infection and mention Sources of nosocomial infection

Q4: (5 marks)

A 19 years old male patient presented to the hospital with acute abdominal pain, bloody diarrhea and fever started a day ago after eating chicken in a cafeteria 3 days earlier. A stool sample showed gram negative S shaped rods.

- What is the most possible pathogenic organism?
- In what atmospheric environment does this organism grow?
- What are the selective media for this organism?
- What are the biochemical reactions for this organism?
- How to treat this case?

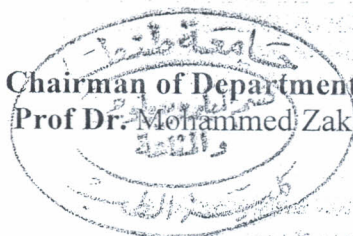
Q5: Discuss the following

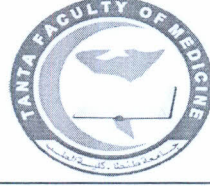
- Post-streptococcal diseases (5 marks)
- Investigation of an outbreak of botulism (5 marks)

Q 6: Discuss the following

- Role of Proto-Oncogene theory in cancer production (3 marks)
- Vaccine against : HBV (3 marks)
- Diagnosis of Candida infection (4 marks)

Chairman of Department
Prof Dr. Mohammed Zakaria





24 August 2021

Total Marks: 45
Time Allowed: 1 Hour

1- Give short account on the causes and laboratory diagnostic workup of:

A) Cushing syndrome. (7.5 Marks)

B) Microcytic hypochromic anemia. (7.5 Marks)

2- Give short account on:

A) Types and clinical significance of glycosylated proteins. (7.5 Marks)

B) Clinical and laboratory findings of chronic lymphocytic leukemia. (7.5 Marks)

3- Give short account on causes and laboratory findings of:

A) Acute renal failure. (7.5 Marks)

B) Disseminated intravascular coagulation (DIC). (7.5 Marks)

ملحوظة: لجنة الشفوي يوم الاربعاء 25 / 8 / 2021

لجنة الممتحنين:

ا.د. هاله ناجي

ا.م.د. محمد طارق

Examination for Diploma Degree in: Internal medicine
Course Title: MED 7003 Path
Date:24-8-2021
Term: August 2021
Time Allowed: one hours
Total Assessment Marks:45



Tanta University
Faculty of Medicine
Department of:
Pathology

Marks

Write on:

I)-

- | | |
|--|----|
| 1- Different types of chemical carcinogens and related cancers | 10 |
| 2- Complications of ulcerative colitis | 5 |
| 3- Sites and lesions of primary tuberculous complex | 5 |

II)- Classification and general pathologic features of hemolytic anemias 10

III)-

- | | |
|--|----|
| 1- Clinical criteria and causes of nephrotic syndrome | 10 |
| 2- Gross and microscopic picture of Hashimoto thyroiditis. | 5 |

"Please contact the department for oral examination date"

Good luck

Exam committee

Professor Dr Samir Mina

Professor Dr Zeinab Elguindy

Professor Dr Maha Shamloula

Professor Dr Mona Abdelhak

Professor Dr Ayman Elsakka

Assist. Professor Dr Asmaa Bedeir