

Second Year BPT Degree Examinations - October 2013

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 205014

Section A – Microbiology

Marks: 50

Essay:

(10)

1. Define pyrexia of unknown origin (PUO). Name the causes for PUO. Describe the laboratory diagnosis of typhoid fever.

Short notes:

(5x5=25)

2. Laboratory diagnosis of HIV.
3. Hot air oven.
4. Laboratory diagnosis of cholera.
5. Bacterial cell wall.
6. Streptococcus pyogenes infections and its laboratory diagnosis.

Answer briefly:

(5x3=15)

7. Define zoonosis and mention three examples.
8. Name the causative agents of gas gangrene
9. Blood agar.
10. Name three bacteria and three viruses causing meningitis.
11. Acid fast staining.

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Section B – Pathology

Marks: 50

Essay:

(10)

1. Define and classify shock. Describe the pathogenesis of septic shock.

Short notes:

(5x5=25)

2. Pathogenesis of gouty arthritis.
3. Diabetic nephropathy.
4. Lab diagnosis of AIDS.
5. Pathogenesis of atherosclerosis.
6. Metastasis.

Answer briefly:

(5x3=15)

7. CSF findings in pyogenic meningitis.
8. Four causes of hematuria.
9. List cardinal signs of inflammation.
10. Fallot's tetralogy- components.
11. What is necrosis. Explain the types