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JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATION 2016/2017

BACHELOR OF PHARMACY

FOURTH YEAR, SECOND SEMESTER MAIN EXAMINATION

PHA 2416 CLINICAL PHARMACY II

DATE: MAY, 2017

TIME: THREE HOURS

**INSTRUCTIONS:** ANSWER ALL QUESTIONS IN SECTION A (60 MARKS) AND ANY OTHER TWO QUESTIONS FROM SECTION B (40 MARKS).

*ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS/ STRUCTURES WHERE APPROPRIATE.*

**SECTION A (EACH QUESTION IS 5 MARKS)**

1. Identify five types of cells involved in the pathophysiology of asthma and explain their role.
2. Explain the role of antibiotics in the management of gastroenteritis.
3. Describe five factors likely to affect drug adherence in the treatment of tuberculosis.
4. Mr Onyango is a 45 year old man who works in a quarry, comes to your community pharmacy complaining of difficulty in breathing, productive cough and wheezing. State the likely diagnosis of Mr Onyango and describe four tests that will help confirm his diagnosis.
5. Describe five types of Asthma based on their aetiology.
6. Describe five approaches used in the management of chronic Asthma.
7. Describe five therapeutic challenges in the management of a patient with COPD
8. Explain the role of good personal hygiene and rehydration in a patient suffering from infectious Gastroenteritis.
9. Tuberculosis infection is a pandemic. Explain the risk groups for TB infection
10. Give the Differentiating features between Asthma and COPD.
11. Give five strategies that can be used to prevent patients from getting hospital acquired pneumonia

~~12.~~ Explain instances when Direct Observed Therapy is recommended in TB patients.

**SECTION B (EACH QUESTION IS 20 MARKS)**

~~13.~~ Mr Njoroge came to your health facility complaining of productive cough for the three weeks, night sweats, fever and that his clothes have become loose.

- a) Identify the likely diagnosis for him and describe four tests that can be done to confirm his diagnosis. (7 marks)
- b) Explain how Mr Njoroge can be treated after confirming his diagnosis (7 marks)
- c) Describe the medication counselling you should give him to ensure that he adheres to his treatment. (6 marks)

~~14. a)~~ Discuss the stepwise management of Chronic Asthma ( 12 marks)

~~b)~~ Describe how to manage a patient with status asthmaticus. ( 8 marks)

~~15. a)~~ Differentiate between Community Acquired Pneumonia ( CAP) and Hospital acquired Pneumonia ( HAP) (8 marks)

~~b)~~ Describe the management in (a) above. ( 12 marks)