



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION 2016/2017**  
**BACHELOR OF PHARMACY**

**FOURTH YEAR, SECOND TRIMESTER MAIN EXAMINATION**  
**PHA2410: PHARMACOGNOSY V**

**DATE: 31<sup>ST</sup> 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**

1. Explain the importance of traditional medicine systems to conventional health care workers. (5 marks) 3
2. Outline five names and uses of plants that are used in Traditional African Medicine. (5 marks) 4
3. Indicate the composition of prescriptions in Traditional Chinese medicine. (5 marks) 3
4. List five essential oils that maybe used to relieve depression. (5 marks) 4
5. Write down five homeopathic remedies that are used to manage women's complaints. (5 marks) 5
6. Describe acupuncture and how it is used for treatment. (5 marks) 3
7. Describe interactions that make some herbal mixtures more effective than single drugs. (5 marks) 3
8. Describe types of adverse reactions in herbal medicines. (5 marks) 4
9. Define intellectual property rights and describe patents (5 marks) 4
10. Explain these terms: (5 marks) 3
  - a) Doctrine of signatures
  - b) Prior informed consent
  - c) Similiar similes curentue
  - d) Bioprospecting
  - e) The precautionary principle
11. Give five unethical practices that the Pharmacy and Poisons board seeks to curb through the registration of herbal and complementary products. (5 marks) 3.
12. Describe the problems experienced in standardization of herbal drugs. (5 marks) 2

**SECTION B**

13. Discuss Ayurveda as a traditional medical system. (20 marks)
14. Discuss the toxicities associated with some common herbs. (20 marks)
15. In registration of herbal and complementary products, discuss the quality control of the finished product. (20 marks)

\*\*\*\*\*END\*\*\*\*\*

Vatu - SSBW  
Pitta - SBAC  
Kapha - Phad

delusion  
desire  
↓  
Passion  
Sexual  
Anger

Eucalyptus  
Limonene

Myrrorin

✓ Ephedra 3  
✓ Aristolochia 1  
✓ Salvia 6  
✓ Ginkgo biloba 3  
✓ Ginseng 4  
✓ Licorice 5  
✓ Aconite 1

180