



*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF SCIENCE AND  
TECHNOLOGY(MMUST)**

**SCHOOL OF NURSING, MIDWIFERY & PARAMEDICAL SCIENCES**

**DEPARTMENT OF NURSING RESEARCH, EDUCATION AND MANAGEMENT**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**FIRST YEAR, THIRD TRIMESTER MAIN EXAMINATION**

FOR THE DEGREE OF

**MASTER OF SCIENCE IN ADVANCED NURSING PRACTICE  
ONCOLOGY AND PALLIATIVE CARE**

***COURSE CODE: NCO 8131***

***COURSE TITLE: INTRODUCTION TO ONCOLOGY***

**DATE: 25<sup>TH</sup> JULY, 2022**

**Time: 8am – 11am**

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**INSTRUCTIONS TO CANDIDATES**

**All questions are compulsory**

**DURATION: 3 Hours**

**MMUST observes ZERO tolerance to examination cheating**

**This paper consists of 2 printed pages. Please turn over.**

### **ANSWER ALL QUESTIONS**

1. Prevention offers the most cost-effective long-term strategy for the control of cancer. As an advanced nurse practitioner, you are tasked to educate a church congregation on ways in which cancer can be prevented. Discuss. (20 marks)
2. The development of a cancer is the culmination of a series of events stemming from the uncontrolled proliferation of malignant cells under the cumulative effect of multiple genetic changes. Discuss the phases of carcinogenesis (20 marks)
3. In Kenya today, Cancer is the third leading cause of mortality after infectious and cardiovascular diseases. Discuss roles of oncology nurses in cancer care. (20 marks)
4. Mr. Akeso comes to your cancer information desk. He says he has lost weight and he has unexplained abdominal pain accompanied with constipation. He says he suspects he has a cancer because he works in flower farm. You know that Carcinogenesis is 'multistep'. No single oncogene causes cancer. Discuss with him the classification of risk factors of neoplasia (20 marks)
5. Normal cells require mitogenic growth signals before they can move from a quiescent state into an active proliferative state. Following the fact that all cancers share underlying principles, discuss Hallmarks of Cancer (20 marks)