



*(University of Choice)*

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

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**SECOND YEAR SECOND TRIMESTER EXAMINATIONS**

**FOR THE DEGREE  
OF  
MASTERS OF SCIENCE IN NURSING**

**COURSE CODE: NMP 8221**

**COURSE TITLE: PAEDIATRIC EMERGENCIES**

**NURSING MAIN EXAMINATION**

**DATE: 25<sup>TH</sup> APRIL 2022**

**TIME: 11.30AM-2.30PM**

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**INSTRUCTIONS TO CANDIDATES**

**Answer all Questions**

**TIME: 3 Hours**

**MMUST observes ZERO tolerance to examination cheating**

**Ensure that you have all five (2) printed pages. Please turn over**

**EACH QUESTION IS 20 MARKS**

1. Master T 4 years old is admitted to the paediatric emergency room and a diagnosis of cardiopulmonary arrest is made.
  - a) State **two** ways of diagnosing cardiopulmonary arrest in children? 2marks
  - b) Explain **four** causes of cardiopulmonary arrest in children. 4marks
  - c) Describe the management of Master T in emergency room. 14marks
2. Maintenance of airway can be difficult during paediatric and neonatal resuscitation.
  - a) Describe **five** causes of difficulty maintenance of airway in neonates and Paediatrics. 10 marks
  - b) Describe **five** drugs used in paediatric and neonatal resuscitation. 10 marks
3. Ethical consideration is very important when managing children in emergency units. Describe **five** ethics of paediatric and neonatal resuscitation. 20marks
4. A seven year old boy is admitted to paediatric medical ward and a diagnosis of Diabetic ketoacidosis is made. From history, he was confirmed of having diabetes Type 1 two months ago.
  - a) Describe the pathophysiology of Diabetic ketoacidosis. 5marks
  - b) State **three** causes of Diabetic ketoacidosis in this child. 3 marks
  - c) Describe the resuscitative management of the boy. 12 marks
5. A 14 year old Kelly is brought to the casualty department by teachers with history of having fallen from a mango tree while in school. He is unconscious and has bruises on the head and arms.
  - a) State the **five** neurological assessment that will be conducted on Kelly. 5 marks
  - b) Explain **five** radiological tests that will be carried out to confirm diagnosis. 5marks
  - c) Describe the immediate management of Kelly. 10marks