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UNIVERSITY EXAMINATIONS 2023/2024

FOURTH YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN HEALTH RECORDS AND INFORMATION MANAGEMENT

HPR 3414: TELEMEDICINE

DATE: JANUARY 2025   **TIME: 2 HOURS**

INSTRUCTIONS: *Answer questions One and any other Two*

QUESTION ONE (30 MARKS)

a. Identify five challenges of using telemedicine in healthcare delivery in developing countries

(5 Marks)

b. Describe how clinical decision support system works   (5 Marks)

c. Distinguish between "synchronous " and asynchronous systems of telemedicine giving relevant example of each   (5 Marks)

d. Describe the five main considerations in implementing telemedicine   (5 Marks)

e. Identify any five equipment used in telemedicine.   (5 Marks)

f. Identify any five models of telemedicine   (5 Marks)

QUESTION TWO (20 MARKS)

a. Identify possible barriers associated with adoption of telemedicine in Kenya's health care system.   (10 Marks)

b. Describe in details the application of telemedicine in at least 4 branches of medicine

(10 Marks)

QUESTION THREE (20 MARKS)

a. Describe the main benefits of use of Mhealth services by healthcare workers. (10 Marks)

b. Explain the main drivers of telehealth adoption in the 20th and 21st century   (10 Marks)

QUESTION FOUR (20 MARKS)

a. Explain benefits associated with Synchronous telemedicine programs giving relevant examples.   (10 Marks)

b. Give a brief history on the evolution of telemedicine.   (10 Marks)