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UNIVERSITY EXAMINATIONS 2024/2025

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

HPR 3415: E-HEALTH APPLICATIONS IN HEALTH RECORDS

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: *Answer questions One and any other Two*

QUESTION ONE (30 MARKS)

- a) Define the term e-health and give two possible forms of e-health. (4 Marks)
- b) List five key principles of human centered design in e-health (5 Marks)
- c) Describe log data analysis and its applications. (5 Marks)
- d) Distinguish between formative and summative evaluation as a means of assessing effectiveness of e-health. (6 Marks)
- e) List five Theories that support the principles of human centered design. (5 Marks)
- f) Explain five challenges in implementing e-health. (5 Marks)

QUESTION TWO (20 MARKS)

- a) Describe the benefits of using e-health in low and middle income countries. (10 Marks)
- b) As a member of the steering committee tasked with testing the usability of various e-health solutions in the hospital, identify and briefly discuss five key metrics for e-health usability testing. (10 Marks)



MUST is ISO 9001:2015 and



ISO/IEC 27001:2013 CERTIFIED

QUESTION THREE (20 MARKS)

- a) Discuss the various requirements for implementing e-health. (10 Marks)
- b) Identify and briefly describe five core values that need to be observed in e-health applications. (10 Marks)

QUESTION FOUR (20 MARKS)

- a) Describe the principles of e-health for behavior change. (10 Marks)
- b) Describe the role of e-health applications in Data management. (10 Marks)



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