

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

BACHELOR OF SCIENCE HONOURS DEGREE IN RECORDS AND ARCHIVES MANAGEMENT

PART II SUPPLEMENTARY EXAMINATIONS 2014

IRA 2205 WEB CONTENT MANAGEMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATES

1. ANSWER ANY **FOUR** QUESTIONS.
2. EACH QUESTION CARRIES A TOTAL OF **25 MARKS**.

1. Articulate the benefits and drawbacks of the decision made by the World Wide Web Consortium to merge eXtensible Markup Language (XML) into Hypertext Markup Language (HTML) for the structuring of webpages on the internet. [25 marks]
2. Assume you are a digital archivist at a large organisation of your choice:
 - a) Explain any four challenges associated with retaining email as records. [12 marks]
 - b) Recommend strategies that can address the challenges and ensure the long-term retention of emails as records. [13 marks][Total 25 marks]
3. With the aid of diagrams, simulate and explain each of the following Ethernet network topologies.
 - a) Bus [5 marks]
 - b) Star [5 marks]
 - c) Ring [5 marks]
 - d) Tree [5 marks]
 - e) Hybrid [5 marks][Total 25 marks]
4. Due to the growth in web access technologies, what are the prospects and challenges of creating a parallel mobile website accessible for smartphones and related mobile devices? [25 marks]

5. Compare and contrast Microsoft's Internet Explorer and Mozilla's Firefox as web browser software applications for the World Wide Web. **[25 marks]**

6. Assume you are a web content consultant for a large organisation, what mitigation strategies would you recommend against any five web security threats posed to the organisation as a consequence of conducting business activities over the internet. **[25 marks]**

END OF PAPER