

COM 432



OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2020 /2021 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE (COMPUTER SCIENCE)

COURSE CODE: COM 432

COURSE TITLE: DESIGN TECHNIQUES FOR WEB SITES

DATE: 12/03/2021

TIME: 0900 – 1200HRS

INSTRUCTION TO CANDIDATES

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THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

REGULAR-MAIN EXAM

COM 432 DESIGN TECHNIQUES FOR WEB SITES

STREAM: BSc. COMPUTER SCIENCE

DURATION: 3 Hours

INSTRUCTION TO CANDIDATES

Answer **ALL** questions from section A and any **THREE** from section B.

SECTION A [24 MARKS]. ANSWER ALL QUESTIONS.

QUESTION ONE [12 Marks]

- a) What Is User Flow? [2 marks]
- b) Define the following terms [4 marks]
 - i. Website
 - ii. Web technologies
- c) Explain three methods used to design websites [3 marks]
- d) Explain three Web development tools that are commonly used web development [3 marks]

QUESTION TWO [12 Marks]

- a) Contrast between Domain Name and Web Hosting? [4 marks]
- b) State the steps involved in hosting a website with your domain name? [4 marks]
- c) Discuss the Web Development Process [4 marks]

QUESTION THREE [12 Marks]

- a) Briefly explain how you can build a better website [4 marks]
- b) A student at Alupe University College wants to design a website for an institution. Briefly discuss how you will evaluate the quality of your web design [4 marks]
- c) Explain four principles of a good website [4 marks]

QUESTION FOUR [12 Marks]

- a) Outline the procedure of how to develop a user flow diagram [4 marks]
- b) Auditor Forum has launched a promotion for its credit card customers. [8 marks]

According to the promotion, the customers will receive a gift voucher worth \$500 with their monthly bill if they spend \$15,000 more than their last month spending and their last month bill is not less than \$10,000. Draw a user flow diagram showing the above process.

QUESTION FIVE [12 Marks]

- a) Write a code that will create an image rollover in the image block. [6 Marks]
- b) Identify and explain examples of web design and technologies that defy good usability practices [6 marks]

QUESTION SIX [12 Marks]

- a) Discuss why the choice of color is important in when designing a website [4 marks].
- b) Outline steps that you could carry out to choose a color scheme [4 marks].
- c) Write a code to change link color when hovering over a link [4 marks]

QUESTION SEVEN [12 Marks]

- a) What is an image map? [2 marks]
- b) Explain the three basic html elements that are required for creating a mapped image [3 marks]
- c) What is color theory and why is it important in graphic design? [2 marks]
- d) Write a code that will display the following output [5 marks]


