



TECHNICAL UNIVERSITY OF MOMBASA
INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:

BSEE/SEP2016/J-FT

EIT 4321: SOFTWARE APPLICATION & PACKAGE
SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2 HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- a) (i) Explain the term software package (2 marks)
ii) A Software expert advised a customer to purchase a software Suite for office applications. Explain the term “ software Suite” giving one example and any three advantages. (5 marks)
- (b) An electrical Engineering firm expressed interest to purchase a software package for electrical and electronic circuit design
(i) Explain three functions such a software should provide (6 marks)
(ii) describe the tools required for each of the functions identified in b(i) (13 marks)
- c) Identify any two brands of software application packages in the market that provide tools for electrical and electronic drawing (6 marks)

Question TWO

- (a) Explain the design of a Computer Application to an electrical engineering that would enable a team of engineers to work concurrently share tasks on a project (6 marks)
b) Identify and explain the various IT components that will be required to deploy such design of an application for the team (14 marks)

Question Three

a) Explain the meaning of application packages, give example and how they can be of use to an electrical engineer

(i) Word processor (4 marks)

(ii) Spreadsheet (4 marks)

(iii) database (4 marks)

b) (i) Explain the meaning of software (2 marks)

(ii) Differentiate between disparate and enterprise application software (3 marks)

(iii) Explain the meaning of application environment (3 marks)

Question Four

(a) Briefly describe any three internet communication methods and how they can be useful to an electrical engineer (6 marks)

(b) You have an talk to present at an exhibition for electrical engineers

i) What application software will you use to process and make the presentation. (2 marks)

ii) How will you make the documents attract the attention of the audience? (3 marks)

(c)(i) Explain the use of a project management software (5 marks)

(ii) Identify any four tools provided in the project management application software (4 marks)

Question Five

(i) Explain meaning, features and use of the following in computer applications :

- a. Server computer
- b. Workstation computer
- c. LAN

(12 marks)

(ii) Explain four user support services in information technology.(8 marks)