



(Knowledge for Development)

KIBABII UNIVERSITY (KIBU)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

END OF SEMESTER EXAMINATION

2021/2022 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELORS OF SCIENCE IN

(INFORMATION TECHNOLOGY)

COURSE CODE: BIT 411

COURSE TITLE: SOFTWARE PROJECT MANAGEMENT

DATE: 27/05/2022

TIME: 9.00 A.M. – 11.00 A.M.

2HRS

INSTRUCTIONS TO CANDIDATES:

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

Paper Consists of 3 Printed Pages. Please Turn Over ►

QUESTION ONE (COMPULSORY) [20 MARKS]

- (a) Numerous issues can develop if a software project manager lacks the necessary expertise or knowledge. Therefore, software project management has several drawbacks. Discuss (10 Marks)
- (b) An IT manager of a university has planned to have staff and students acquire laptops and smart phones to be used for electronic learning among students. The proposal has been accepted by the university management board. Discuss how the project will be initiated, executed, controlled and closed. (20 Marks)

QUESTION TWO [20 MARKS]

- (a) Once project designing is complete, project managers document their plans during software project management set up document. The document ought to discuss an inventory of various things. Explain (10Marks)
- (b) Identify at least five project scheduling techniques and explain how such tools can assist a software project manager? (10Marks)

QUESTION THREE [20 MARKS]

- (a) It's unique to hear about a CEO who studies happiness and motivation and builds those principles into the company's core values. Software project manager should understand motivation theories and more importantly the motivation needs of each team member. Discuss (15Marks)
- (b) Communication ensures timely and appropriate generation, collection, dissemination, storage and disposition of project information. Explain (5Marks)

QUESTION FOUR [20 MARKS]

- (a) Identify any three main levels of monitoring a project and explain their usefulness to software project manager (12Marks)
- (b) Estimation in software project management is the process of knowing how much effort, cost resources and time the project will require to complete. Explain the following types of estimation methods
- (i) Cost estimation

(ii) Resource estimation

(iii) Effort estimation

(iv) Size estimation

(8 Marks)

QUESTION FIVE [20 MARKS]

(a) What is quality management

(3Marks)

(b) Quality management is particularly important for large complex system. Discuss the statement in relation to quality planning, quality assurance and quality control.

(15 Marks)

(c) What is project management from the information technology perspective?

(2Marks)