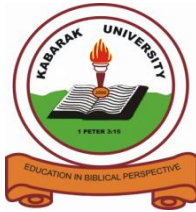


KABARAK



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SECOND SEMESTER 2018/2019 ACADEMIC YEAR

**EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMPUTER
SCIENCE /BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

COMP 421 / INTE 323: SOFTWARE PROJECT MANAGEMENT

STREAM: Y4S2

TIME: 9.00-11.00 AM

EXAMINATION SESSION: JAN-APRIL

DATE: 3/04/2019

INSTRUCTIONS

- i) Answer question ONE and any other TWO questions**
- ii) Write on both sides of the answer sheet**
- iii) Begin each new answer on a separate page of the answer sheet**

QUESTION ONE – COMPULSORY (30 MARKS)

- a) Outline the considerations over and above actual development costs that influence the price charged for a software product by a developer (4 marks)
- b) Discuss the common risks associated with people as part of the risk management process. (4 marks)
- c) Describe four types of software metrics commonly used in software quality. (6 marks)
- d) Describe capability maturity model as used in software quality (6marks)
- e) Evaluate the Gilb's approach in measuring quality (6marks)
- f) Outline two types techniques used in project monitoring techniques (4 marks)

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(1 Peter 3:15)



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QUESTION TWO (20 MARKS)

- a) What is the function of the following features of project management software? (4 marks)
- i. Auto Scheduling
 - ii. Tracking Gantt
- b) Discuss defect prevention process in detail (4 marks)
- c) Analyze techniques used prevent to prevent risk (4 marks)
- d) Define software Audit (2 marks)
- e) Explain four types of audit done on software products (6 marks)

QUESTION THREE (20 MARKS)

- a) Explain the process of software review (5 marks)
- b) How do you judge a project to be a failure? What are the possible causes of project failures? (5marks)
- b) What are the types of project risks? What measures of risk are used to assess the risk factor in project management? (5marks)
- c) Project management has a number of advantages. However it is not a silver bullet that guarantees success on all projects. How can you as a project manager ensure that a project is successful? (2marks)
- d) What do you mean by software quality, How does the company assures the quality aspect of given project? Discuss (3marks)

QUESTION FOUR (20 MARKS)

- a) What is software configuration management? (4 marks)
- b) Define the following terms associated with software configuration management (4 marks)
- a. Version management
 - b. Release management

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- c) Explain goal question metric model in detail. (5marks)
- d) Outline any four quality attributes as per Gilb's approach (4 marks)
- e) Evaluate issues capability maturity model in software quality (3 marks)

QUESTION FIVE (20 MARKS)

- a) Explain the main standards of ISO 9000 series and where do you make use of these standards in software development. (6 marks)
- b) Describe audit scheduling (5 marks)
- c) What is Defect? How is it different from error (4marks)
- d) Evaluate five important measures of software maintainability (5 marks)

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