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MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE IN STATISTICS WITH INFORMATION TECHNOLOGY

BACHELOR OF SCIENCE IN NFORMATION TECHNOLOGY

COURSE CODE: BIT413

COURSE TITLE: SOFTWARE PROJECT MANAGEMENT

DATE: 07/12/2022   **TIME:** 08:00-10:00AM

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is compulsory
Answer three (3) questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

Question One

(a) In project management, its recommended that the project management team and the project sponsor_work together. Why do you think that this should be so? **(2 Marks)**

(b) Identify activities involved in Project human resource management processes and what happens if new experienced members are added to the project team during the project life cycle **(6 Marks)**

(c) Masinde Muliro university of Science and Technology is about to implement structured networking for one of its office blocks known as SPD. The work involves laying 496 data points on three floors of the building. The network will carry both internet and phone signals. At the end the vendor will also install active network and phone equipment. As a project manager you are expected to show human resource distribution along the project life cycle. Identify the necessary staff showing their titles and roles and where in the project life cycle they fit. Draw a distribution chart of the staff along the cycle. **(12 Marks)**

(d) All project managers and team members need to learn how to implement necessary and systematic risk management processes.

    (i)   In which ways will this enable the entire organization to run their projects in a much smoother manner? **(2 marks)**

    (ii)   Briefly recommend and explain any four risk management process steps a project should undergo for smooth running of the projects **(8 marks)**

Question Two

(a) Differentiate between the following project management frameworks

    (i)   PRINCE2 and CCPM

    (ii)   Lean and XPM

    (iii)   Scrum and Waterfall

(6 Marks)

(b) One single framework does not work for all projects, which is why so many of them have been created over the years. Show the guidelines of how one can choose a relevant project management framework? **(10 Marks)**

(c) Suggest benefits of project management frameworks **(4 Marks)**

Question Three

(a) Differentiate between project scope and project scope management **(4 Marks)**

(b) In your own opinion, what could be the importance of project scope management? **(6 marks)**

(c) State and explain any five elements of project scope management **(10 Marks)**

Question Four

There are three major project management certification organizations namely prince2, ITIL and PMP. By first writing the initials in full, discuss each of them.

(20 marks)

Question Five

(a) Maintaining a bird's eye view of the project performance (during project integration) is vital to preserving positive forward momentum. What tasks are to be covered at this stage are: (10 marks)

(b) Suggest a list of some other processes to follow during the Executing Process stage. These processes belong to several knowledge areas ranging from Project Integration Management to Project Human Resource Management to Project Stakeholder Management. (10 marks)