UNIVERSITY EXAMINATIONS

EXAMINATION FOR SEPTEMBER/DECEMBER 2019/2020 DIPLOMA IN COMPUTER SCIENCE/INFORMATION TECHNOLOGY/ DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY

RIT 024: ICT PROJECT MANAGEMENT

DATE: 13TH DECEMBER 2019   **TIME: 2 HOURS**

GENERAL INSTRUCTIONS:

Students are NOT permitted to write on the examination paper during examination time.

This is a closed book examination. Text book/Reference books/notes are not permitted.

SPECIAL INSTRUCTIONS:

This examination paper consists Questions in Section A followed by section B.

Answer Question 1 and any Other Two questions.

QUESTIONS in ALL Sections should be answered in answer booklet(s).

1. **PLEASE start the answer to EACH question on a NEW PAGE.**
2. **Keep your phone(s) switched off at the front of the examination room.**
3. **Keep ALL bags and caps at the front of the examination room and DO NOT refer to ANY unauthorized material before or during the course of the examination.**
4. **ALWAYS show your working.**
5. **Marks indicated in parenthesis i.e. ( ) will be awarded for clear and logical answers.**
6. **Write your REGISTRATION No. clearly on the answer booklet(s).**
7. **For the Questions, write the number of the question on the answer booklet(s) in the order you answered them.**
8. **DO NOT use your PHONE as a CALCULATOR.**
9. **YOU are ONLY ALLOWED to leave the exam room 30minutes to the end of the Exam.**
10. **DO NOT write on the QUESTION PAPER. Use the back of your BOOKLET for any calculations or rough work.**

SECTION A-COMPULSORY

QUESTION ONE (30 MARKS)

a) Give a detailed explanation of how you understand the following terms as used in Project Management. **(10 Marks)**
   i. Project management
   ii. Project life cycle
   iii. Transaction Processing System
   iv. Project
   v. Gantt Chart

b) In any project schedules are a key aspect of project management. A software development project had the following activities.

Activity	Predecessor	Duration in Weeks
A	-	5
B	-	7
C	A	6
D	B	5
E	B	4
F	D,E	8
G	C,F	8
H	D	6
I	G,H	3

Required:

Draw the necessary diagram and calculate the critical path for the project. **(10 marks)**

c) what are the benefits of using project life cycle **(4 Marks)**

d) Describe the importance of project management **(6 Marks)**

SECTION B-ANSWER ANY TWO QUESTIONS (TOTAL MARKS-40)

QUESTION TWO (20 MARKS)

a) Using your own examples clearly show the difference in between a Network model and the Gantt chart as techniques of scheduling activities. **(6 Marks)**

b) Explain major types of system. **(4 Marks)**

c) What are the qualities of good Project Manager? **(5 Marks)**

d) Identify any five categories of resources you may find to be important while working on as a software project. **(5 Marks)**

QUESTION THREE (20 MARKS)

a) Using the diagram discuss three organizational structural **(6 marks)**

b) Give an elaborate four problems that particularly affect students' projects. **(8 marks)**

c) Discuss how project management assist in Countering Competitive Forces **(6 marks)**

QUESTION FOUR (20 MARKS)

a) Discuss three examples of projects that failed because of lack of support by upper management **(6 marks)**

b) Using the diagram discuss three organizational structural **(6 Marks)**

c) Differentiate between the role of leaders and managers **(2 Marks)**

d) Discuss the advantages and disadvantages of using organizational structural. **(6 Marks)**

QUESTION FIVE ((20 MARKS)

a) Discuss the responsibilities of project manager. **(5 Marks)**

b) How do the following factors effect scope change: effort, cost, duration and focus **(5 Marks)**

c) Describe five positive and five negative effect of conflict in project **(10 marks)**