



SECOND SEMESTER EXAMINATION 2018/2019 SESSION

COURSE CODE: QTS 325 COURSE TITLE: CONSTRUCTION MANAGEMENT I

TIME ALLOWED: 1½ Hours (90 Minutes)

CREDIT LOAD: 2 Units

INSTRUCTION: Answer four (4) questions in all. Question 6 is COMPULSORY.

Question 1:

- a) Although there are several streams of information that needs organization and management in any construction project, some of them are described as the most business-critical. Drawing from this statement, discuss these critical ones. (15 Marks)
- b) Resource management is described as central to the success of a construction project. Using the key elements of resource management, explain this assertion. (5 Marks)

Question 2: While defining Construction Management, explain its objectives and discuss its functions. (15 Marks)

Question 3: Using annotated sketches, explain the concept of Line of Balance scheduling technique and state its advantages. (15 Marks)

Question 4: The word organisation is used to describe an entity comprising multiple people, such as an institution or an association that has a particular purpose. Drawing from this and using neat diagrams, describe five types of organisation structure. (15 Marks)

Question 5: In discussing the stages of Construction Project Management, explain its importance. (15 Marks)

Question 6: Use the information in Table 1 to draw the network diagram, determine the critical path(s) for the project, list the network paths and determine the float for each activity. (15 Marks)

Table 1

Activity	Duration (Days)	Dependency
Start	0	-
A	8	Start
B	5	A
C	6	B, H
D	8	C
E	9	D, F
F	3	C, I
G	7	Start
H	8	G
I	9	H
J	5	I
K	2	J
L	3	J
Finish	0	