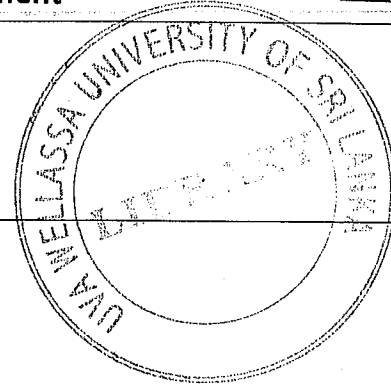


Part C

Instructions to candidates

Number of questions: Two (02) Essay questions

Mark allocation: 40



1.
 - a. Define a project in your own words. (2 mark)
 - b. Briefly explain the triple constraints of a project using a diagram. (2 mark)
 - c. A server installation project was halfway completed by the end of the first week. The planned schedule reflects that the project should be 100% complete within the first week. Planned Value (PV) for project is Rs. 20000.00 and Actual Cost (AC) is Rs. 25000.00. Calculate the followings.
 - i. The Earned Value (EV)
 - ii. The Cost Variance (CV)
 - iii. Schedule Variance (SV)
 - iv. The Cost Performance Index (CPI)
 - v. Schedule Performance Index (SPI)(5 mark)
 - d. Explain what is project cost management and its three (03) processes. (5 mark)
 - e.
 - i. Explain three (03) reasons for project failures in Information Technology (3 mark)
 - ii. Briefly explain how to overcome those issues mentioned in part i. (3 mark)
2.
 - a.
 - i. Define the term dependency in project management (2 mark)
 - ii. List the types of dependencies. (2 mark)
 - b. Refer the Table 01 (page 8) and answer the following questions
 - i. Draw Activity on Arrow (AOA) diagram for this project. (5 mark)
 - ii. Find critical path. (2 mark)
 - iii. Calculate minimum project duration. (1 mark)

Activity	Duration (days)	Dependency
A	1	-
B	3	-
C	6	A
D	7	B
E	12	B
F	2	C
G	11	D,A
H	3	E
I	6	F
J	5	G
K	7	G
L	4	H
M	8	I,J
N	3	L,K
O	2	M,N

Table 01

c. Briefly describe each of the following terms with regard to project management.

- i. Milestone
- ii. Make or Buy analysis
- iii. Design of experiments
- iv. Stakeholder

(8 mark)

