

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
300 level 2nd Semester Examination – December 2018/January 2019
IIT 323-2 Project Management



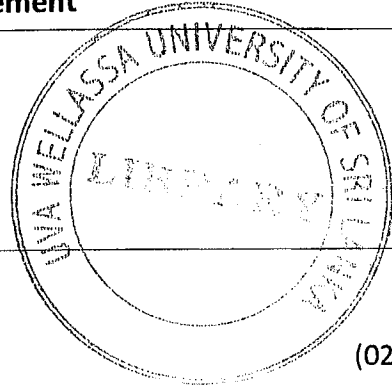
Instructions to candidates

Duration: Two (02) hours

Number of questions: Four (04)

Mark allocation: 100

Answer all questions



1.
 - a. Define a project. (02 marks)
 - b. Explain four (04) characteristics that help to differentiate projects from other functions carried out in the daily operations of the organization. (08 marks)
 - c. 'Result of a project that **not** clearly align to the strategic plan is poor utilization of the organization's resources.' Do you agree with above statement? Justify your answer. (10 marks)
2.
 - a. Briefly explain importance of project portfolio management to achieve strategic objectives of an organization. (10 marks)
 - b. Briefly explain two (02) challenges faced by a project manager in navigating organizational culture. (10 marks)
3.
 - a. Differentiate the work breakdown structure and work package by explaining its help to the project manager. (15 marks)
 - b. Why estimating time and cost are very important in project management? (10 marks)
4.
 - a. List five (05) tools and techniques which can be used to ensure that the project will satisfy the needs for which it was undertaken. (10 marks)

- b. Table Q4 contains the schedule for an information system project.

Table Q4

Activity	Duration (Days)	Preceding Activity
A	5	None
D	10	A
B	9	A
C	4	A
E	6	B,C
F	5	B,C,D
H	2	E,F

- c. Draw a network diagram using Arrow Diagramming Method (ADM).

(10 marks)

- d. Identify the possible paths, highlight the critical path and calculate the project duration.

(10 marks)

- e. Why is it required to use dummy activities in Activity on Arrow (AOA) diagrams? Give suitable examples.

(05 marks)

