



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER I
SESSION 2013/2014**

COURSE NAME : PROJECT MANAGEMENT
COURSE CODE : BWB 21602
PROGRAMME : 2 BWQ
EXAMINATION DATE : DECEMBER 2013 /JANUARY 2014
DURATION : 2 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

THIS EXAMINATION PAPER CONSISTS OF **THREE (3)** PAGES

Q1 Draw a network diagram representing the following logics:

As the project starts activities A and B can be performed concurrently. When activity A is finished, activities C and D can start. When activity B is finished activities E and F can start. When activities D and E are finished, activity G can start. The project is completed when activities C, F and G are finished. Use both the activity in-the-box and the activity-on-the-arrow formats.

(25 marks)

Q2 Calculate the ES, EF, LS and LF times and the slack for each activity in the Figure Q2 and identify the critical path for the project. Can the project be completed in 40 weeks?

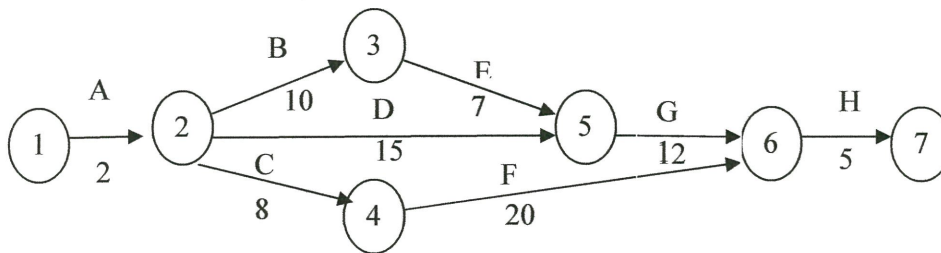


FIGURE Q2 : Activity for the project

(25 marks)

Q3 (a) Describe the project budgeting process?

(5 marks)

(b) How cost variance is calculated? What does it mean when it's positive and negative?

(5 marks)

(c) When evaluating a work package with a negative cost variance, on what two types of activities should you focus? State your reasons for each activity.

(5 marks)

(d) What are progress reports? What should they include? How are they different from a final report?

(10 marks)

Q4 (a) Differentiate between Resources-Leveling and Resources-Limited Scheduling? (5 marks)

(b) Using Figure Q4 below, perform resources leveling. Assume that each task can be performed independently from the other task.

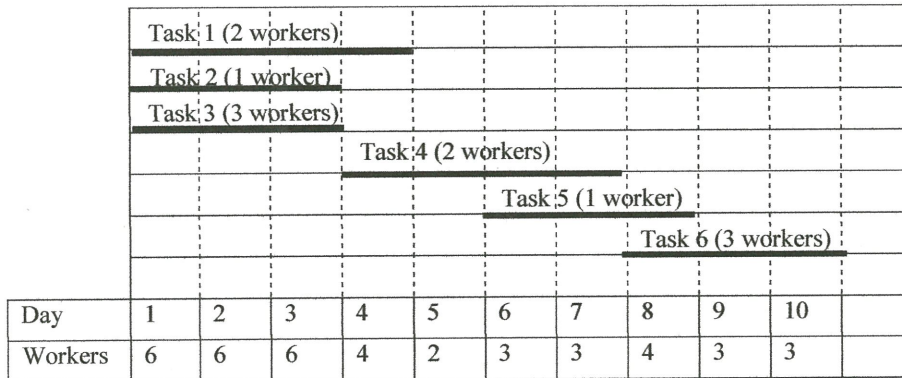


FIGURE Q4: Resource consideration schedule

(10 marks)

(c) Using answer Q4 (b), perform resources-limited-scheduling. Assume that you have only three workers available at any given time. What is the new completion date for the project?

(10 marks)

- END OF QUESTION -