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**UTHM**  
Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
(TAKE HOME)  
SEMESTER II  
SESSION 2019/2020**

COURSE NAME : PROJECT MANAGEMENT  
COURSE CODE : BPA 31803  
PROGRAMME CODE : BPB  
EXAMINATION DATE : JULY 2020  
DURATION : 24 HOURS  
INSTRUCTION : ANSWER ALL QUESTIONS  
OPEN BOOK EXAMINATION

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

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**TERBUKA**

- Q1**
- (a) Good cost planning requires a basic understanding of how organizations account for cost.  
  
Explain the characterization of cost components and the two approaches to estimating project costs.  
(2 marks)
  - (b) Describe briefly how you transform a Work Breakdown Structure (WBS) into a Network Diagram and draw a network diagram for the following set of activities.  
(4 marks)
  - (c) Explain the following with examples:
    - i) Resource/responsibility matrix
    - ii) Resource loading histograms
    - iii) Resource leveling techniques(9 marks)
  - (d) Explain earned value and variance with an example in Project Evaluation.  
(4 marks)
  - (e) Describe the following:
    - i) Risk Identification
    - ii) Risk Probability
    - iii) Risk Response Strategy.(6 marks)

**Q2** The production planning department in Sakura Electronics has set up the activities for developing and production of a new television as shown in **Table Q2**. Assume a five-day workweek and the project starts on September 1, 2020.

**Table Q2:** The activities for developing and production of a new television

Activity ID	Description	Activity Predecessor	Activity Time (weeks)
1	Staff	None	2
2	Develop market plan	1	3
3	Select channels of distribution	1	8
4	Patent	1	12
5	Pilot production	1	4
6	Test market	5	4
7	Ad promotion	2	4
8	Set up for production	4,6	16

Given the information in **Table Q2**, develop a project network using Microsoft Project by considering the following condition below:

- (a) The project team has requested that you create a network for the project, and determine if the project can be completed in 45 weeks.  
(10 marks)
- (b) Using Microsoft Project, set up the network and determine the critical path for Phase 1 of the project. The project workweek will be 5 days (Sunday to Thursday)  
(15 marks)

Note: Outcome from this mini project student report should (i) Introduction about an analysis on project management problem using MS Project, (ii) Methodology; (iii) Analysis and Results (iv), Discussion and Conclusion, and (v) List of references.

**-END OF QUESTIONS-**