



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2018/2019**

COURSE NAME : PROJECT PLANNING AND SCHEDULING
COURSE CODE : BPD 33903
PROGRAMME CODE : BPC
EXAMINATION DATE : JUNE / JULY 2019
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

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

CONFIDENTIAL

TERBUKA

Q1 A poor or wrong decision making at planning phase will bring failure to the housing development project. This situation will burden the buyers who are not only forced to bear the financial burden with the bank but also the frustration because they are not satisfied with their house.

Discuss planning process stage that must be follow by housing developers so that the decision making become smooth, manageable, within budget and save time.

(25 marks)

Q2 A shopping complex project consists of 22 activities. **Table Q2** shows the duration of each of activities.

Table Q2: Duration of each of Activity

Activity	Time (weeks)	Preceded by
A	2	None
B	3	A
C	4	A
D	5	A
E	7	B
F	7	C
G	8	D
H	4	E
I	2	F
J	12	G
K	5	G
L	6	F,H
M	2	J
N	2	I,M
O	6	J
P	4	K
Q	4	L
R	4	O
S	2	N,R
T	9	O,P
U	2	Q
V	3	S,T,U

(a) Calculate total duration to complete the project.

(20 marks)

(21) Illustrate the critical path on the network.

(5 marks)

Q3 Reliable cost estimates are necessary for responsible resource loading at every stage of a project. Unreliable cost estimates can cause significant problems to staff management and budgeting decision. As a project manager, you are constantly deciding on how to get the optimum return from your project.

- (a) Elaborate the definition of budget preparation. (5 marks)
- (b) Discuss techniques of cost estimating in resource loading. (8 marks)
- (c) Analyse with a sketch cost baseline diagram for the cost baseline variation in accordance to project life cycle. (12 marks)

Q4 The director of capital budgeting of Argross Developers Company has asked you to analyse two proposed capital investments, Project A and B. Each project has a cost of RM100,000 and the cost of capital for each project is 12%. The Project A and B expected net cash flow are as follows:

Table Q4: Net Cash Flow

Year	Project A (RM)	Project B (RM)
0	(100,000)	(100,000)
1	65,000	35,000
2	30,000	35,000
3	30,000	35,000
4	10,000	35,000

Based on the information in **Table Q4**:

- (a) Calculate each project's payback period. (10 marks)
- (b) Calculate each project's net present value (NPV). (10 marks)
- (c) Evaluate which project should be accepted based on Q4(a) and Q4(b). (5 marks)

-END OF QUESTIONS-