UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER I
SESSION 2018/2019

COURSE NAME	:	MULTIMEDIA PROJECT MANAGEMENT
COURSE CODE	:	BIM 30703
PROGRAMME CODE	:	BIM
EXAMINATION DATE	:	DECEMBER 2018 / JANUARY 2019
DURATION	:	3 HOURS
INSTRUCTION	:	ANSWER **ALL** QUESTIONS

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

Q1 Define the following terms:

(a) Work Breakdown Structure

(2 marks)

(b) Compatibility testing

(2 marks)

(c) Archiving

(2 marks)

(d) Return on Investment

(2 marks)

(e) Payback analysis

(2 marks)

Q2 In project time management, activity sequencing is crucial in order to have a well-organized project planning.

(a) Define activity sequencing in project time management.

(2 marks)

(b) Explain **TWO (2)** activities need to be performed in dealing with time management procedure.

(4 marks)

(c) List **THREE (3)** categories of dependency in activity sequencing.

(3 marks)

Q3 Figure Q3 below shows the activities for Video on Demand project in an outline view. Create a Work Breakdown Structure (WBS) organized by project phase. (20 marks)

```
Video on Demand Project

1.0  Concept
     1.1   Analyze current system
     1.2   Define requirement
           1.2.1   User requirement
           1.2.2   Video requirement
           1.2.3   System requirement
                   1.2.3.1   Software
                   1.2.3.2   Hardware
     1.3   Define constraints
     1.4   Develop project plan
     1.5   Select multimedia development team
2.0  Design
3.0  Development
4.0  Roll out
     4.1   Launching
```

Figure Q3

Q4 Questions **Q4(a) – Q4(g)** are based on the given scenario:

Your team has been asked to develop, test and document enhancements to an Augmented Reality Learning application. For the testing phase, the tasks and dependencies are as shown in Table 1:

Table 1

Activity	Description	Immediate predecessor	Estimated duration (in weeks)
A	Create a testing plan	–	3
B	Test the user interfaces	A	10
C	Test the database	A	6
D	Test the network	A	7
E	Write the documentation first draft	A	20
F	Perform user interface testing—enlist some users to test the user interface	B	5
G	Perform integration testing—network with the database	C , D	3
H	Perform integration testing—database, network, and user interface	F, C	2
I	Perform system testing	G, H	8
J	Review and revise documentation	E, I	4
K	Obtain management approval	J	5

(a) Create the network diagram.

(11 marks)

(b) State all possible paths (with its duration).

(15 marks)

(c) Identify which tasks are on the critical path based on answer in **Q11(b)**. Give your justification.

(4 marks)

(d) Analyze the effect (if any) on the completion time of the project based on the following condition:

(i) Task G is delayed by 10 weeks.

(ii) Task E is delayed by 2 weeks.

(6 marks)

(e) Identify **TWO (2)** examples of Finish-to-Start (FS) task dependency.

(4 marks)

(f) Explain **TWO (2)** risks that the developer might be facing in completing the project?

(4 marks)

(g) Explain **ONE (1)** possible solution for each risk mentioned in **Q4(f)**.

(4 marks)

- END OF QUESTION -