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**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

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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)

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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)

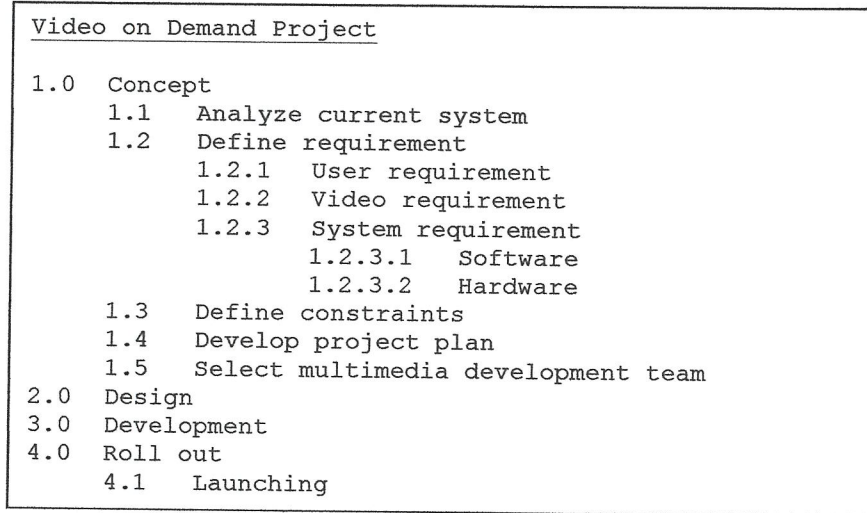


Figure Q3

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 -