



COVENANT UNIVERSITY
CANAANLAND, KM10, IDIROKO ROAD
P.M.B 1023, OTA, OGUN STATE, NIGERIA
BSc EXAMINATION

COLLEGE: Science & Technology
DEPARTMENT: Computer & Information Sciences
SESSION: 2016/2017
COURSE CODE: MIS415
COURSE TITLE: Software Project Management
INSTRUCTION: Attempt question one and any other two

SEMESTER: Alpha
CREDIT UNIT: 2
TIME: 2HOURS

1a. Given the Table 1 and 2 below, suppose you are required to build a Military development system consisting of 35,000 lines of code. How many person months of effort would this take assuming the following:

- i) The project size was relatively small.
- ii) The project size was considered large.

[2 marks]

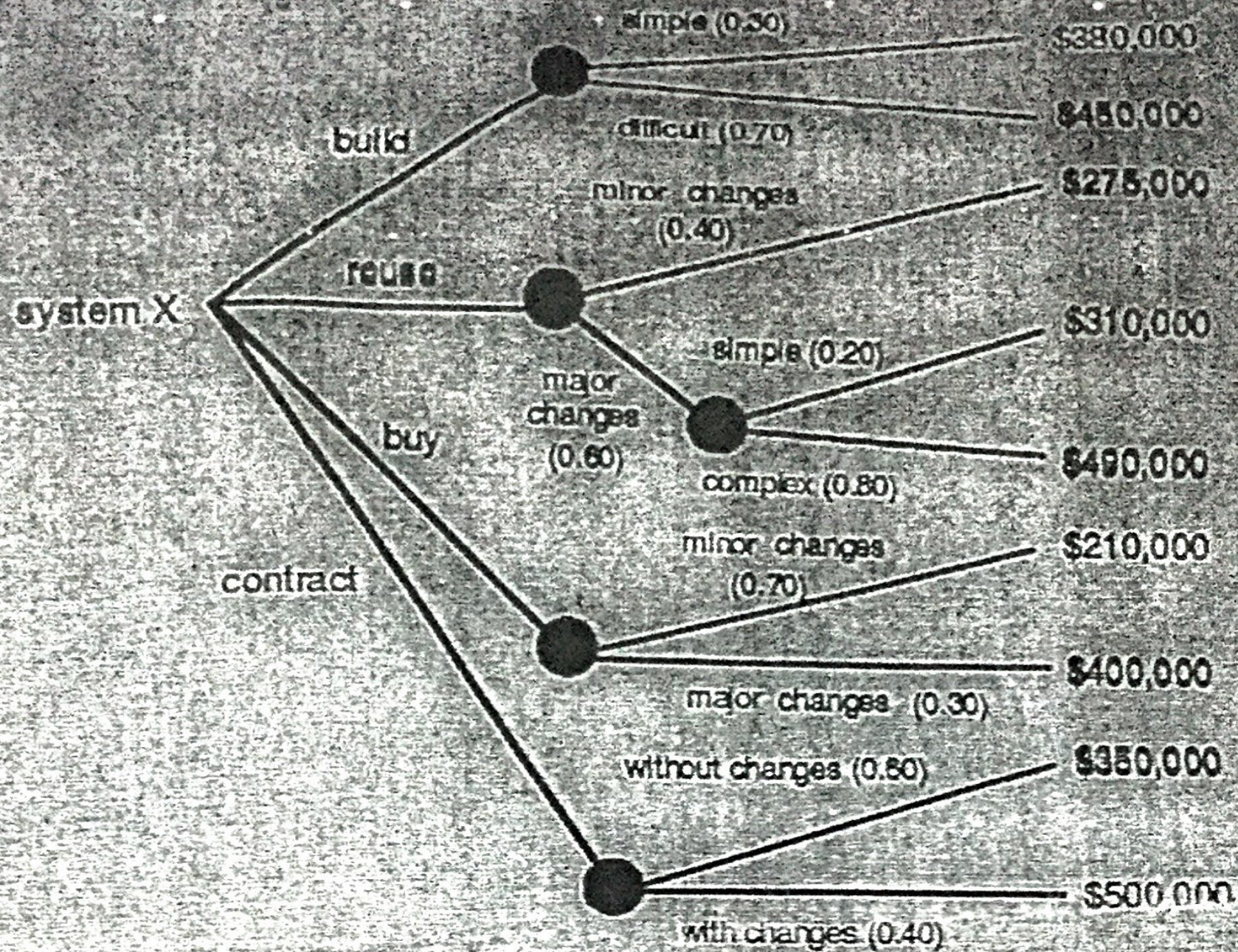
[2 marks]

Table 1. Common Values for the Linear Productivity Factor

Project Type	Linear Productivity Factor
COCOMO II Default	2.94
Embedded Development	2.58
E-commerce Development	3.60
Web Development	3.30
Military Development	2.77

Table 2. Typical Size Penalty Factors for Various Project Types

Project Type	Exponential Size Penalty Factor
COCOMO II Default	1.052
Embedded development	1.110
E-Commerce development	1.030
Web development	1.030
Military development	1.072



b) 11

c) Constr

Activity
A
B
C
D

3a) Briefly explain the Scheduling Principles for Project management. [5marks]

b) Highlights reasons why are Project Late? [5marks]

c) Construct network diagram from the project description below. [5marks]

Activity	Description	Proceeding Activity
A	Application approval	None
B	Construction plans	A
C	Traffic Study	A
D	Service Availability Check	A
E	Staff report	B,C
F	Commission Approval	B,C,D
G	Wait for Construction	F
H	Occupancy	E,G

d) As a project manager why is project measurement important. [5marks]

4) a)i) Mention the role of software quality assurance team. [3marks]

ii) with the aid of diagram, what are the software quality assurance procedures. [3marks]

4b) Write short notes on :

i) Reactive risk Analysis: [2marks]

ii) Proactive risk Analysis: [2marks]

4c) Mention five principles of risk management [5marks]

4d) What is Risk Projection and what are the steps involved in the process. [5marks]

5)(a)(i) Define Baselines according to IEEE.

ii) What are the functions of Software Configuration Management(SCM) Repository? [2marks]

b) i) Mention four the elements of Software Change Management [3marks]

ii) How are the features of a maintainable software [4marks]

5c) What are the 4p's that influences software project management [2marks]

5d) What is Software Quality? List the different cost of quality of a software. [4marks]

[5marks]