

United States International University MIS 6160 IT PROJECT MANAGEMENT

MID Semester Examination

Summer 2015

DATE: Wednesday 25th June 2015 TIME: 6.00 -8.30 pm

STUDENT ID:

NAME:

Written examination (constitutes 20% the total course score))

Start: 6.00 pm

End.8.30 pm

READING TIME:

: 5 minutes

WORKING TIME:

:2 1/2 hours

TOTAL TIME:

: ALL SECTIONS

:2 1/2 hours 5 minutes

GENERAL INSTRUCTIONS

2: This is a closed book examination. Text book/Reference books/notes are Not Permitted.

SPECIAL INSTRUCTIONS:

This examination paper consists of FOUR (4) SECTIONS

- a. SECTION A: True False questions (Answer all 15 Questions-15 Marks)
- b. SECTION A: Multiple questions (Answer all 15 Questions-15 Marks)
- c. SECTION C: Short questions (Answer ANY TWO OUT OF THREE Questions-40 Marks)
- d. SECTION D: Applied questions (Answer COMPULSORY Question-30 Marks)

SECTIONA	MAX. SCORE	YOUR SCORE
Q1-15	15	
SECTION B		
Q1-15	15	
SECTION C	(40)	
Q1		
Q2		
<u>Q3</u>		
SECTION D	(30)	
Q1		
TOTAL	100	

	13. Each phase of the project should provide at least one specific deliverable.
	a. True b. False
	b. False 14. Basing an estimate of activity durations on experience gained from working on similar projects is called analogous estimation.
	a. True
	b. False
	b. False 15. If the estimates from different estimating techniques are fairly close, then you can
	average them with a fairly high degree of confidence.
	a. True b. False
i day	ECTION B: Answer ALL questions
SI	
1.	The first stage of the IT project methodology focuses on:
	a) choosing the project team members.
	b) defining the overall goal of the project /
	c) conceptualizing alternative approaches to project development.
	d) identifying the project's scope.
	e) identifying project managers and sponsors. The IT project management foundation includes all of the following except:
2.	The IT project management foundation merceds as a
	a) PM processes
	b) PM objectives
	c) PM methodologies
	d) PM tools
	e) PMBOK® knowledge areas
•	focuses on carrying out the project plan to deliver the IT product and managing
3.	focuses on carrying out the project plan to deriver and i
	the project to achieve the goal.
	a) Conceptualize and initialize the project (Phase 1)
	b) Develop the project charter and plan (Phase 2)
	c) Execute and control (Phase 3)
	d) Close project (Phase 4)
	e) Evaluate project success (Phase 5)
4.	The infrastructure supports the project in terms of the environment and team
	itself.
	a) organizational
	b) project
	c) technical
	d) process
	e) control
5.	Which of the following is the best MOV statement?
- ,	

b. False

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b) Our project should be completed in no more than 180 days and should cost no more than \$150,000 and be completed 100% in-house. c) Our project should increase sales in the Dayton market by 15% next year to complete our company's Ohio expansion strategy. d) Our project should utilize the Spiral Development approach to eliminate 95% of the major risks to our Dayton sales program. e) Our project should produce an advertising campaign in Dayton that wins the Ohio Advertising Guild's Award for most creative campaign. A project that improved operational effectiveness would impact the 6. organization. a) strategic b) customer c) financial d) operational e) social Determining whether employees will be able to adapt to the planned change is _____. 7. a) organizational feasibility b) technical feasibility c) economic feasibility d) legal feasibility e) ethical feasibility Calculate the ROI for a project with total expected costs of \$40,000 and total expected 8. benefits of 35,000. a) -12.5% b) 12.5% c) 1.875% d) 187.5% e) -18.75% 9. The text cites all of the following as reasons supporting the selection of an IT project except: a) The project is doable and worth doing. b) The project maps directly to the organization's strategies and goals c) The project provides measurable organizational value. d) The project represents a cutting edge technology that fits the team skill set. e) The project ranks favorably based on the companies adaptation of the Balanced Scorecard Approach. 10. Executing processes: a) Signal the beginning of the project or phase. b) Requires an organization to make a commitment of time and resources. c) focus on integrating people and resources to carry out the planned activities.

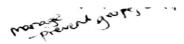
d) supports planning of the entire project and each individual phase

a) Our project should make Dayton customers flock to the stores in droves to buy our

e) none of the above

3

	The model is where the user and developer work closely together to	
11.	The model is where the user and developer work closely together to develop a partially or fully functional system as soon as possible.	
	Rapid Application Development (RAD)	
	Waterfall	
	Prototyping	
	Spiral	
a)	eXtreme Programming	
ς,		
12.	Within the Project Charter, focuses on the knowledge areas, process	es, and
	controls that will support the project and are separate supplans or scattegies	ь.
a)	Project description	
b)	Statement of Work	
0)	MOV	
d)	Project Scope	
e) 1	Project Administration	
13.	The business case, project plan, source code, or product are all examples	of
	leliverables	
b) r	nilestones	
c) to	asks	
d) r	project phases	
	one of the above	
14.	integrates areas and resources throughout the organization.	
	The Functional Organization,	
b) 7	The Matrix Organization	
, O, I	The Project-Based Organization	
4) T	The Informal Organization	
	the Formal Organization	
1 (3 more)	Which of the following attributes is least important for successful projec	t
	nanagers:	
	pility to communicate with people	
	pility to deal with people	
c) at	pility to create and sustain relationships	
d) al	pility to learn new technical skills	
e) at	pility to organize	
-,		
SECTION (C: Answer ANY TWO questions	70
bellon	are the advantages of having and following a project methodology? The five phases of the IT project methodology. The project integration management and its relationship to the other agement Body of Knowledge areas.	- ro
Onestion 1		- plan Cive
Question 1	Constant of the state of the st	- Ilivera
(a) what	are the advantages of having and following a project methodology:	- arm
(b) Desci	ribe the five phases of the IT project methodology.	
(c) Desci	tibe project integration management and its relationship to the other	eight Project
Mana	gement Body of Knowledge areas.	
Question 2	ribe overall change control and its importance to the project team.	
Z descrivit B	- youallel	interrelled to
(A) D	scribe the matrix organizational structure. — Areas is scribe the balanced matrix, functional matrix, and project matrix or	
(a) De	scribe the matrix organizational structure. — ***********************************	
(b) De	scribe the balanced matrix, functional matrix, and project matrix or	ganizational
stri	uctures.	



(c) Describe the scope management plan.

(d) Why is it important to define the project's scope accurately and completely?

raing is left out

Question 3

(a) What is time boxing? What are some advantages and disadvantages of time boxing project activities? = neads possen des na occount for unsun (b) Describe top-down estimating. What are some advantages and disadvantages of top-

down estimating? finded and assort

(c) Describe bottom-up estimating. What are some advantages and disadvantages of bottom-up estimating? short - furted product

(d) Why is counting lines of code (LOC) a popular method for estimating and tracking programmer productivity? What are some problems associated with this method?

SECTION D: Answer COMPULSORY questions

The CEO of Nairobi Hospital was to present to the Hospital Board of Directors the Capital budgeting models calculations for the HMIS. His first HMIS alternative was the MEDITEC \ system shown in exhibit 7 below of the Nairobi hospital case given in this class.

Exhibit 7: Med		UNIT PRICE	2003	2004	2005	2006	2007	2008	
Cost of Hardware			32,000,00	5,000.00	5,000.00	5,000.00	5,000.00	5,000 00	
Server		1 000	49,400	1,000	1,000	1,000	1,000	1,000	
Client Station	38	1,300		2,500	2,500	2,500	2,500	2,500	
View station	200		220,000	240	240	240	240	240	
Laser Printer	6			150	150	150	150	150	
Desk Jet Printer	15	100	1,500		- 100		-	-	
Backup tape drive	1	4,500	4,500.00						
Telecommunications						50	50	50	
Router	1		5,000.00	50	50	800	800	800	
Firewall	1	3,800	3,800	800	800	800		- 555	
Cabling			1,030,000						
Software									
MEDITECH			1058400	-	-		+		
Oracle database 9i			26000						
Services									
Professional service		 	349790	35,000	35,000	35,000	35,000	35,000	
Annual Maintenance		 	190512	190512	190512	190512	190512	190512	
System Personnel	1	 	100012			-	-		
System Personner	+	+		/)				
TOTAL COSTS	 		2,973,302	235,252	235,252	235,252	235,252	235,252	4,149,562
Benefits	-	-	2,070,002	200,232	-				
1. Billing enhanceme	nt.	 	400,000	480,000	576,000	748,800	973,440	1,265,472	
2. Reduced Paramed		 	50,000	60,000	69,000	79,350	91,253	104,940	
3. Reduced Clerical	I	 	50,000	60,000	69,000	79,350	91,253	104,940	at the base of the same of the same of
	<u> </u>		15,000	18,000	20,700	23,805	27,376	31,482	
4. Reduced Messenge		+	15,000	18,000	20,700		27,376	31,482	
5. Reduced Commun 6 Reduced stock	T	+	240,000	+	331,200	+	438,012	503,714	
TOTAL BENEFITS	+	+		1	1,086,600		1,648,709	2,042,031	7,807,329
	ــــــــــــــــــــــــــــــــــــــ		770,000					-	
Assumed Rate billing enhance Assumed Growth Rate for other	ement in	come 2	for years	2004 and 200	05, 30% (OF	years 2000 to	anh addition	al vear	
Secured Growth Bate for other	er cost o	eduction	s revenue: 20	% for year 2	004: 15% in	creases for e	ach auditions	1.806.779	

688,748 851,348 1,100,738 1,413,457 1,806,779

Workout the following for the CEO:

- (a) Payback Period
- (b) Return on Investment(ROI) -
- (c) Cost-Benefit Ratio ·
- (d) Net Present Value (NPV)
- (e) Profitability Index.
- (f) Internal Rate of Return (IRR)