Management of Information Security 3rd Edition Whitman Test Bank

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Chapter 1: Introduction to the Management of Information Security

TRUE/FALSE

1.	1. Information technology is the sole responsib	bility of a small, dedicated group of people in a company
	ANS: F PTS: 1	REF: 2
2.	2. The C.I.A. triangle is an important element	of the CNSS model of information security.
	ANS: T PTS: 1	REF: 6
3.	3. The CNSS security model includes detailed controls.	guidelines and policies that direct the implementation of
	ANS: F PTS: 1	REF: 4-5
4.	4. The confidentiality of information is breach access the information.	ed when unauthorized individuals or systems are able to
	ANS: T PTS: 1	REF: 6
5.	5. Corruption of information can occur only w	hile information is being stored.
	ANS: F PTS: 1	REF: 6
6.	6. Only a deliberate attack, such as a virus, can	n result in the corruption of a file.
	ANS: F PTS: 1	REF: 7
7.	7. The authorization process takes place before	e the authentication process.
	ANS: F PTS: 1	REF: 8
8.	8. A manager has many roles to play including	g informational, interpersonal, and decisional.
	ANS: T PTS: 1	REF: 8
9.	9. A manager is responsible for coordinating to	he completion of tasks.
	ANS: T PTS: 1	REF: 8
10.	10. All managers are expected to play a leaders	hip role.
	ANS: F PTS: 1	REF: 8
11.	11. Both autocratic and democratic leaders tend	I to be action-oriented.
	ANS: T PTS: 1	REF: 9
12.	12. Tactical planning focuses on the day-to-day	operation of local resources.

	ANS: F	PTS: 1	REF:	9
13.	Leadership includes	supervising en	nployee behavio	or, performance, attendance and attitude.
	ANS: T	PTS: 1	REF:	11
14.	The first step in solvi	ing problems i	s to gather facts	and make assumptions.
	ANS: F	PTS: 1	REF:	12
15.	When you review technology neede	-		dress the organization's financial ability to purchase plution
	ANS: F	PTS: 1	REF:	12
16.	The set of organization planning.	onal guideline	s that dictate cer	rtain behavior within the organization is called
	ANS: F	PTS: 1	REF:	14
17.	Information security projects.	can be both a	process and a pr	roject because it is in fact a continuous series of
	ANS: F	PTS: 1	REF:	15
18.				avolves the short-term gathering of a group that n released, and perhaps assigned to other projects.
	ANS: T	PTS: 1	REF:	16
19.	Changing only one of the estimates of the o		lan elements do	es not usually affect the accuracy and reliability of
	ANS: F	PTS: 1	REF:	18
20.	increase the risk of h	uman resource	e turnover becau	g on newly introduced technologies, and this may use personnel trained in a new, high-demand skill are better opportunities elsewhere.
	ANS: F	PTS: 1	REF:	20
21.	In the WBS approach	ı, a project pla	nn is first broken	down into a small tasks or specific action steps.
	ANS: F	PTS: 1	REF:	26
22.	A project can have m	nore than one o	critical path.	
	ANS: T	PTS: 1	REF:	31
23.	The two network sch	eduling techni	iques, the Critic	al Path Method and PERT, are similar in design.
	ANS: T	PTS: 1	REF:	32

24.	An effective project management software application is capable of eliminating the need for a project manager.	et
	ANS: F PTS: 1 REF: 33	
25.	Any project manager is better served using a tool they know, rather than an overly complex one that or she cannot use suitably.	he
	ANS: T PTS: 1 REF: 33	
MOD	DIFIED TRUE/FALSE	
1.	The protection of an organization's information assets is the primary mission of the <u>information</u> <u>technology</u> community.	
	ANS: F, information security	
	PTS: 1 REF: 3	
2.	<u>Network</u> security encompasses strategies to protect people, tangible assets, and the workplace from various threats.	
	ANS: F, Physical	
	PTS: 1 REF: 4	
3.	Operations security focuses on securing the organization's ability to carry out its operational activiti without interruption or compromise.	es
	ANS: T PTS: 1 REF: 4	
4.	<u>Communications</u> security addresses the protection of an organization's data networking devices, connections, and contents.	
	ANS: F, Network	
	PTS: 1 REF: 4	
5.	1) Policy, 2) awareness, training and education, and 3) <u>technology</u> are concepts vital for the protection information.	on
	ANS: T PTS: 1 REF: 4	
6.	The three desirable characteristics of information on which the C.I.A. triangle is founded are confidentiality, integrity, and <u>authorization</u> .	
	ANS: F, availability	
	PTS: 1 REF: 6	
7.	The <u>integrity</u> of information is threatened when it is exposed to corruption, damage, or destruction.	
	- <u></u> -	

8.	The characteristic of information that enables a user to access it without interference or obstruction and in a useable format is <u>confidentiality</u> .
	ANS: F, availability
	PTS: 1 REF: 7
9.	An information system that is able to recognize the identity of individual users is said to provide authentication.
	ANS: F, identification
	PTS: 1 REF: 7
10.	During the <u>identification</u> process, a control provides proof that a user possesses the identity that he or she claims.
	ANS: F, authentication
	PTS: 1 REF: 7
11.	The process of achieving objectives using a given set of resources is called <u>management</u> .
	ANS: T PTS: 1 REF: 8
12.	<u>Autocratic</u> leaders typically seek input from all interested parties, and then formulate a position that can be supported by the majority.
	ANS: F, Democratic
	PTS: 1 REF: 8
13.	<u>Democratic</u> leaders tend to make decisions only when they are needed to avoid bringing the process to a complete halt.
	ANS: F, Laissez-faire
	PTS: 1 REF: 9
14.	<u>Leadership</u> generally addresses the direction and motivation of the human resource.
	ANS: T PTS: 1 REF: 8
15.	Popular management theory categorizes the principles of management into planning, organizing, leading and controlling.
	ANS: T PTS: 1 REF: 9
16.	The first step in solving problems is to recognize and gather facts about the problem.

PTS: 1

REF: 6

ANS: T

	ANS: F, det	fine				
	PTS: 1	REF:	12			
17.			bility, you assess a can support a solution, rat			
	ANS: F subordinates employees					
	PTS: 1	REF:	12			
18.	Policies are	InfoSec operation	ons that are specificall	y managed as s	eparate entities.	
	ANS: F, Pro	ograms				
	PTS: 1	REF:	14			
19.	Operations a	re discrete sequ	nences of activities wit	h starting point	s and defined co	mpletion points.
	ANS: F, Pro	ojects				
	PTS: 1	REF:	16			
20.	Activity defi	nition is a proce	ess in the knowledge a	rea of <u>time</u> , in _l	project managen	nent methodology.
	ANS: T		PTS:	1	REF: 19	
21.		-	process in the knowled	lge area of <u>com</u>	munications, in	project management
	ANS: T		PTS:	1	REF: 19	
22.	The project j	plan inputs inclu	ude work time, resourc	ces and project	activities.	
	ANS: F, del	liverables				
	PTS: 1	REF:	20			
23.			n phase, the <u>positive</u> fe		cybernetic loop	ensures that progress
	ANS: F, neg	gative				

	PTS: 1 REF: 11
24.	Training project team members on how to use new technologies when they are introduced <u>decreases</u> the risk of human resource turnover.
	ANS: F, increases
	PTS: 1 REF: 20
25.	WBS is a simple planning tool used to create a(n) project plan.
	ANS: T PTS: 1 REF: 26
26.	The first step in the WBS is to identify the work to be accomplished in the task or task area; that is, the activities and <u>constraints</u> .
	ANS: F, deliverables
	PTS: 1 REF: 27
27.	One method for sequencing tasks and subtasks in a project plan is known as <u>Web</u> scheduling, referring to the collection of possible pathways to project completion from the beginning task to the ending task.
	ANS: F, network
	PTS: 1 REF: 28
28.	The most popular of networking dependency diagramming techniques is the <u>Program Evaluation and Review Technique (PERT)</u> , similar to the Critical Path Method
	ANS: T PTS: 1 REF: 30
29.	Among the advantages to the <u>PERT</u> method is planning large projects is made easier by facilitating the identification of pre- and post- activities
	ANS: T PTS: 1 REF: 31
30.	Another popular project management tool is the bar or <u>McCumber</u> chart, named for its developer, who created this method in the early 1900s.
	ANS: F, Gantt
	PTS: 1 REF: 32
MUL	TIPLE CHOICE
1.	A group of decision makers and/or working professionals is known as a(n) a. area of interest

	ANS: C	PTS:	1	REF:	3
2.	The community a. information tech b. information secu	nology	e lead role in p	c.	g the organization's information assets. general business general public
	ANS: B	PTS:	1	REF:	3
3.	The community a. information secub. information tech	rity	es and supports	c.	nation technology appropriate to a business needs. general business general public
	ANS: B	PTS:	1	REF:	3
4.	properly.		tes resources no	·	for all of to the communities of interest to function
	a. information secub. information tech				general business general public
	ANS: C			REF:	
5.	Physical security is ca. people within the b. physical assets o	e organi	zation	c.	of the network devices of the organization data of the organization
	ANS: B	PTS:	1	REF:	4
6.	Communications sec a. employees b. physical assets	urity in	volves the prot	c.	of an organization's technology data network devices
	ANS: D	PTS:	1	REF:	4
7.	security address communication functions. Communications b. Network	tions.	ability to use th	c.	Operations Physical
	ANS: B	PTS:	1	REF:	4
8.	information is known			ems and	hardware that use, store, and transmit that
	a. securityb. information secu	rity		c. d.	authentication identification
	ANS: B	PTS:	1	REF:	4
9.	According to the C.I. integrity, and	.A. triar	igle, the three o	lesirable	e characteristics of information are confidentiality,
	a. accountabilityb. availability			c. d.	authorization authentication
	ANS: B	PTS:	1	REF:	
10					officient privileges and a demonstrated need may
ı ()	OL INTORMATION	ensures	THAL OHLY THOSE	: with si	illicieni privileges and a demonstrated need mav

access certain information.

	a. Integrityb. Availability			c. d.	Authentication Confidentiality
	ANS: D	PTS:	1	REF:	6
11.	is the quality of a. Integrity b. Authorization	r state o	f being whole,	c.	te, and uncorrupted. Security Confidentiality
	ANS: A	PTS:	1	REF:	6
12.	During the transmiss ensure the of the			orithms	s, hash values, and error-correcting codes help
	a. confidentialityb. integrity			c. d.	corruption availability
	ANS: B	PTS:	1	REF:	7
13.	The of informa and in a useable form		ers to the ability	y to acc	ess information without interference or obstruction
	a. privacyb. confidentiality			c. d.	integrity availability
	ANS: D	PTS:	1	REF:	•
14.	An information systeusers.	em poss	esses the charac	cteristic	c of when it is able to recognize individual
	a. authentication				authorization
	b. identification			d.	•
	ANS: B	PTS:	1	REF:	7
15.		control	provides proof		user possesses the identity that he or she claims.
	a. Identificationb. Authentication				Authorization Accountability
	ANS: B	PTS:	1	REF:	·
16.	The use of cryptograexample of the			ıblish S	ecure Sockets Layer (SSL) connections is an
	a. accountability	. process	•	c.	identification
	b. authorization			d.	authentication
	ANS: D	PTS:	1	REF:	7-8
17.	The activation and u	se of ac	cess control list	ts is an	example of the process.
	a. identification			c.	
	b. accountability			d.	
	ANS: C	PTS:	1	REF:	8
18.	be attributed to a nar				
	a. accountability			c.	authorization authentication
	b. privacy				
	ANS: A	PTS:	1	REF:	8

19.	Audit logs that track a. identification b. authorization	user activity on an inf		on system provide accountability authentication
	ANS: C	PTS: 1	REF:	
20.	Identification is typica. audit log b. user name	cally performed by me	c.	a(n) cryptographic certificate access control list
	ANS: B	PTS: 1	REF:	7
21.	A manager has infor a. decisional b. creative	mational, interpersona	c.	roles within the organization. security related leadership
	ANS: A	PTS: 1	REF:	8
22.	leaders reserve a. Autocratic b. Democratic	all decision-making re	c.	Dilities for themselves. Laissez-faire Diplomatic
	ANS: A	PTS: 1	REF:	8
23.	Autocratic leaders us a. seek input from a b. request ideas and c. do not accept alt d. sit back and allo	all interested parties l suggestions	op as it	goes
	ANS: C	PTS: 1	REF:	8
24.	leaders are also a. Autocratic b. Laissez-faire ANS: B	known as "laid-back' PTS: 1	c.	Democratic Aristocratic
25.	c. focuses on the da			
	ANS: B	PTS: 1	REF:	9
26.	The process that dev called a. leading b. controlling	elops, creates, and imp	c.	s strategies for the accomplishment of objectives is organizing planning
	ANS: D	PTS: 1	REF:	9
27.	The principle of man of objectives is called	_	the stru	cturing of resources to support the accomplishment

	a. organizationb. planning		controlling leading
	ANS: A PTS: 1 RI	EF:	10
28.	 Which of the following is the first step in the p a. Analyze and compare the possible solution b. Develop possible solutions c. Recognize and define the problem d. Select, implement and evaluate a solution 		em-solving process?
	ANS: C PTS: 1 RI	EF:	12
29.	 Which of the following is NOT a step in the pr a. Select, implement and evaluate a solution b. Analyze and compare possible solutions c. Build support among management for the d. Gather facts and make assumptions 		
	ANS: C PTS: 1 RI	EF:	11-13
30.	Which of the following is NOT a Principle of la. planningb. protection	c.	mation Security Management? project management principles
	ANS: D PTS: 1 RI	EF:	13
31.	behavior within the organization through a set a. planning b. policy	of or c.	ganizational guidance? programs people
32.	 a. monitoring external and internal environm b. installation of a new firewall system c. ongoing risk assessments of routine operat d. continuous vulnerability assessment and ver 	ent d	uring incident response ability repair
33.	 a. it is completed on time or early as compared b. the deliverables are accepted by the end us c. it meets most of the specifications as outlined. it comes in at or below the expenditures pl 	ser an ned in	d/or assigning entity the approved project definition
	ANS: C PTS: 1 RI	EF:	17
34.	accrue?a. implementation of a methodology ensuresb. identification of specific responsibility for reduces confusion when individuals are as:	that t all as	ssigned personnel lessons ambiguity and

	monitoring. d. clear definition of project constraints, including time frame, budget, and minimum quality requirements increases the likelihood that the project stays within them.							
	ANS: A	PTS:	1	REF:	17			
35.	promoted bya. The Secutb. The Secutc. Project M	the Project Marrity Systems Durity Project And Inagement Systems	nagement Institu evelopment Lif	ute? e Cycle Methoo ogy (PN	dology (SPAMM) MS/Meth)			
	ANS: D	PTS:	1	REF:	18			
36.	Which of the a. Integration b. Quality	-	OT a knowledg	e area i c. d.	n the Project Management knowledge body? Scope Technology			
	ANS: D	PTS:	1	REF:	19			
37.	Which of the a. Resource b. Work time	es	OT a project pla	-	t? Project deliverables All of these are inputs			
	ANS: D	PTS:	1	REF:	20			
38.	plan a. Scope cre	-			t deliverables is expanded from the original project Deliverable expansion The Dilbert Principle(R)			
	ANS: A	PTS:		REF:	• • •			
39.	is one of a. Overly reb. Excessive c. Failure to	of the most frequestrictive manage personnel on meet project d	uently cited fail gement project	ures in	project management.			
	ANS: C	PTS:	1	REF:	21			
40.		deliverables mee, otherwise it	•	c.	specified in the project plan, the project has met its quality			
	b. resources				time			
	ANS: C	PTS:	1	REF:	22			
41.		uous terms	deliverables in	c.	gainst which actual results are easily compared. quality mandates terms of outcomes			
	ANS: A	PTS:	1	REF:	22			

42.	is No. 1. b. 1. c. 1.	The management of human resources must address many complicating factors; which of the following is NOT among them? a. All workers operate at approximately the same level of efficiency b. Not all workers begin the project with the same degree of skill c. Skill mixtures among the actual project workers seldom match the needs of the project plan. d. Some tasks may require skills that are not available from resources on hand						
		S: A	PTS:		REF:			
43.	a. 1 b. 1 c. 1	Extended clearar	nces ma may de	y be required ploy new techn			nal complexities, including: corganization lacks the	
	ANS	S: C	PTS:	1	REF:	23		
44.	usua orga a. l b. s c.		r becaus	se the area to be			ment, except the are project and not the entire	
	ANS	S: B	PTS:	1	REF:	24		
45.	Proje a. 6 b. 6 c. 6	ect Management Certified Associa Certified Informa Certified Project	Profess ate in Pr ation Se Manag	sional (PMP) ar roject Managen scurity Project N ement Manager	nd the _ nent (Ca Manage (CPM	APM)	nent certificate programs: the	3
	ANS	S: A	PTS:	1	REF:	25		
46.	performance force a		ements, plishing	recording projeg meaningful pr	ect task oject w	information, and upoork. The Peter Principle The Dilbert Princip		
47.	mini a. b. d. c. d.	mum attributes t Work to be accor	that show mplishent of eff speciali	uld be identified d (activities and ort required for zed skills neede	d for ea d delive comple	ch task include all burables) tion, in hours or wor form the task	aced on the WBS task list. To the which of the following? rkdays	he

48.			equisitions so c.	meet the need of the rapidly expanding engineering uch as weapons systems. CPM WBS
	ANS: B	PTS: 1	REF:	30
49.	that requires the lor	ngest duration to con you have identified t	mplete, and	by identifying the sequence of events or activities that therefore cannot be delayed without delaying critical path crucial factor set
	ANS: C	PTS: 1	REF:	30
50.	a. Planning large activities.b. The impact of c. Information is managers can under the control of the control	changes on the syste presented in a straig understand and refer	sier by facili em are antici htforward fo to in planni	pated. pareat that both technical and non-technical
	ANS: D	PTS: 1	REF:	31
51.	a. Diagrams can bb. Diagrams can bc. It can be diffict	wing is NOT a disadd become awkward and become expensive to ult to place an accur to disadvantages of the	d cumberson develop an ate "time to	me d maintain complete" on some tasks
	ANS: D	PTS: 1	REF:	31-32
52.	The diagrams present to manages a. PERT b. GANTT	•	c.	charts that are simple to read and thus easy to CPM WBS
	ANS: B	PTS: 1		
53.	a. resourcesb. time		c.	rovides a simple time line on the horizontal axis. activities None of these
54.	NOT have to keep a. Software progr b. Software tools c. More complex	in mind? cams cannot replace can get in the way of tools make the proje	skilled and of the work ect more eff	g an automated project management tool

55.	questions at a. How lo b. What a c. What a	e to take a very of bout each activitying will it take? ctivity occurs importantly occurs importantly ther activities requires	mediately bei	he following the fore this a sitty after the following the	ng is N ctivity? his activ	OT one of the		nswer three ke	ey
	ANS: D	PTS:	1	REF:	30				
COM	PLETION								
1.	Thesupplying a	and supporting in	_ community formation tec	supports hnology a	the bus	iness objecti ate to the bu	ves of an or sinesss' nee	ganization by ds.	
	ANS: info	rmation technolo	gy						
	PTS: 1	REF:	3						
2.	Theobjectives.		_ community	articulate	es and c	ommunicate	s organizatio	onal policy an	d
	ANS: gene	eral business							
	PTS: 1	REF:	3						
3.		sec	curity encomp	passes stra	ategies t	to protect peo	ople, assets,	and the work	place.
	ANS: Phys	sical							
	PTS: 1	REF:	4						
4.	media, tech	second	•	passes the	protect	ion of an org	ganization's	communication	ons
	ANS: Com	nmunications							
	PTS: 1	REF:	4						
5.		is the distance is the distance in the di					l elements, i	including the	
	ANS: Information InfoSec	n Security							
	PTS: 1	REF:	4						
6.	The CNSS	Security model k	nown as the information v						and
	ANS: avai	lability							
	PTS: 1	REF:	5						

7.	The process provides assurance that the user has been specifically and explicitly authorized by the proper authority to access, update, or delete the contents of an information asset.				
	ANS: authorization				
	PTS: 1 REF: 8				
8.	is the process of achieving objectives using a given set of resources.				
	ANS: Management				
	PTS: 1 REF: 8				
9.	The job of a(n) is to marshal and administer resources, coordinate the completion of tasks, and handle the many roles necessary to complete the desired objectives.				
	ANS: manager				
	PTS: 1 REF: 8				
10.	The three behavioral types of leaders are autocratic, laissez-faire, and				
	ANS: democratic				
	PTS: 1 REF: 8				
11.	The three levels of planning are strategic planning, tactical planning, andplanning.				
	ANS: operational				
	PTS: 1 REF: 9				
12.	The term refers to the end result of a planning process.				
	ANS: goal				
	PTS: 1 REF: 10				
13.	Monitoring progress toward completion, and making necessary adjustments to achieve desired objectives, requires the exercise of				
	ANS: control				
	PTS: 1 REF: 11				
14.	The set of organizational guidelines that dictates certain behavior within the organization is called				
	ANS: policy				
	PTS: 1 REF: 14				

15.	are the operations conducted within InfoSec, which are specifically managed
	as separate entities.
	ANS: Programs
	PTS: 1 REF: 14
16.	are discrete sequences of activities with starting points and defined completion points.
	ANS: Projects
	PTS: 1 REF: 16
17.	is defined as the application of knowledge, skills, tools, and techniques to project activities to meet project requirements.
	ANS: Project management
	PTS: 1 REF: 16
18.	While other project management approaches exist, the, from the Project Management Institute is considered the industry best practice.
	ANS: PMBoK Project Management Body of Knowledge
	PTS: 1 REF: 16
19.	Project plan inputs include work time, resources, and project
	ANS: deliverables
	PTS: 1 REF: 20
20.	occurs when the quantity or quality of project deliverables is expanded from the original project plan.
	ANS: Scope creep
	PTS: 1 REF: 20
21.	If the project deliverables meet the requirements specified in the project plan, the project has met its objective.
	ANS: Quality
	PTS: 1 REF: 22
22.	occurs when the project manager spends more time documenting project
	tasks, collecting performance measurements, recording project task information, and updating project completion forecasts than accomplishing meaningful project work.

	ANS: Projectitis
	PTS: 1 REF: 25
23.	The first step in the WBS is to identify the work to be accomplished in the task or task area; that is, the activities and
	ANS: deliverables
	PTS: 1 REF: 27
24.	While the PERT technique was being developed to support government acquisitions, the technique, similar in structure, was being developed in industry.
	ANS: CPM Critical Path Method
	PTS: 1 REF: 30
25.	In the PERT technique, the difference in time between the critical path and any other path is called

ESSAY

1. Explain the differences between a leader and a manager.

REF: 31

ANS:

PTS: 1

ANS: slack time

The distinctions between a leader and a manager arise in the execution of organizational tasks. A leader provides purpose, direction, and motivation to those that follow. By comparison, a manager administers the resources of the organization. He or she creates budgets, authorizes expenditures, and hires employees.

PTS: 1 REF: 8

2. List and explain the critical characteristics of information.

ANS:

Confidentiality of information ensures that only those with sufficient privileges and a demonstrated need may access certain information. When unauthorized individuals or systems can view information, confidentiality is breached.

Integrity is the quality or state of being whole, complete, and uncorrupted. The integrity of information is threatened when it is exposed to corruption, damage, destruction, or other disruption of its authentic state.

Availability is the characteristic of information that enables user access to information without interference or obstruction and in a useable format.

Privacy means the information that is collected, used, and stored by an organization is intended only for the purposes stated to the data owner at the time it was collected.

An information system possesses the characteristic of identification when it is able to recognize individual users.

Authentication occurs when a control provides proof that a user possesses the identity that he or she claims.

Authorization provides assurance that the user (whether a person or a computer) has been specifically and explicitly authorized by the proper authority to access, update, or delete the contents of an information asset.

Accountability exists when a control provides assurance that every activity undertaken can be attributed to a named person or automated process.

PTS: 1 REF: 6-8

3. List and explain the four principles of management under the contemporary or popular management theory. Briefly define each.

ANS:

Popular management theory, which categorizes the principles of management into planning, organizing, leading, and controlling (POLC).

The process that develops, creates, and implements strategies for the accomplishment of objectives is called planning.

The management function dedicated to the structuring of resources to support the accomplishment of objectives is called organization.

Leadership includes supervising employee behavior, performance, attendance, and attitude. Leadership generally addresses the direction and motivation of the human resource.

Monitoring progress toward completion, and making necessary adjustments to achieve desired objectives, requires the exercise of control.

PTS: 1 REF: 9-11

4. List the steps that can be used as a basic blueprint for solving organizational problems.

ANS:

- 1. Recognize and Define the Problem
- 2. Gather Facts and Make Assumptions
- 3. Develop Possible Solutions
- 4. Analyze and Compare Possible Solutions.
- 5. Select, Implement and Evaluate a Solution.

PTS: 1 REF: 12-13

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5. List the advantages and disadvantages of using the Program Evaluation and Review Technique method?

ANS:

Among the advantages to the PERT method are:

- >Planning large projects is made easier by facilitating the identification of pre- and post activities.
- >Planning to determine the probability of meeting requirements (that is, timely delivery through calculation of critical paths) is allowed.
- >The impact of changes on the system are anticipated. Should a delay in one area occur, how does it affect the overall project schedule?
- >Information is presented in a straightforward format that both technical and non-technical managers can understand and refer to in planning discussions.
- >No formal training is required. After a brief explanation most people understand it thoroughly.

Disadvantages of the PERT method include:

- >Diagrams can become awkward and cumbersome, especially in very large projects.
- >Diagrams can become expensive to develop and maintain due to the complexities of some project development processes.
- >It can be difficult to place an accurate "time to complete" on some tasks, especially in the initial construction of a project; inaccurate estimates invalidate any close critical path calculations.

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