Information Technology Project Management Reprint 5th Edition Schwalbe Test Bank

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Chapter 1: Introduction to Project Management

TRUE/FALSE

1. Until the 1980s, project management primarily focused on providing schedule and resource data to top management in the military, computer, and construction industries.

ANS: T PTS: 1 REF: 2

2. Worldwide IT spending is expected to grow between 14 percent and 16 percent in the next few years.

ANS: F PTS: 1 REF: 3

3. One attribute that helps define a project is that a project has a unique purpose.

ANS: T PTS: 1 REF: 7

4. A project should be developed using progressive elaboration, starting from specific details and broadening in scope as it progresses.

ANS: F PTS: 1 REF: 7

5. Projects are often defined narrowly when they begin.

ANS: F PTS: 1 REF: 7

6. Projects rarely involve uncertainty.

ANS: F PTS: 1 REF: 8

7. Every project is constrained in different ways by its scope and cost goals. These limitations are sometimes referred to in project management as the double constraint.

ANS: F PTS: 1 REF: 8

8. Questions about how long a project's schedule should be are related to the issue of the project's scope.

ANS: F PTS: 1 REF: 8

9. Because projects involve uncertainty and limited resources, projects rarely finish according to discrete scope, time, and cost goals originally planned.

ANS: T PTS: 1 REF: 9

10. Managing the triple constraint involves making trade-offs between scope, time, and cost goals for a project.

ANS: T PTS: 1 REF: 9

11. Some people refer to the "*double constraint*" of project management to include quality and customer satisfaction.

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ANS: F PTS: 1 REF: 10

12. In the example of building a new house, the support staff would provide the wood, windows, flooring materials, appliances, and so on.

ANS: F PTS: 1 REF: 12

13. Stakeholders' needs and expectations are only important in the beginning of a project.

ANS: F PTS: 1 REF: 12

14. There are six core knowledge areas of project management.

ANS: F PTS: 1 REF: 12

15. Follow-up studies done by the Standish Group showed that the number of failed projects has more than doubled in the past decade.

ANS: F PTS: 1 REF: 15

16. The 2004 Standish Group survey showed that IT project success rates had risen from 16 percent in 1994 to 34 percent in 2002.

ANS: T PTS: 1 REF: 15

17. Project management is the silver bullet that guarantees success on all projects.

ANS: F PTS: 1 REF: 15

18. A key finding of a 2004 study is that relationship management is viewed as a top success factor for information systems in China, while it is not mentioned in U.S. studies.

ANS: T PTS: 1 REF: 16|17

19. The winners know that strong program managers—referred to as project leaders—are crucial to project success.

ANS: T PTS: 1 REF: 17

20. A program is "a group of related projects managed in a coordinated way to obtain benefits and control not available from managing them individually."

ANS: T PTS: 1 REF: 18

21. Program managers are not responsible for coordinating the efforts of project teams, functional groups, suppliers, and operations staff.

ANS: F PTS: 1 REF: 19

22. The job description for a project manager can vary by industry and by organization.

ANS: T PTS: 1 REF: 24

- 23. Project managers should possess general management knowledge and skills such as financial management, accounting, and procurement.
 - ANS: T PTS: 1 REF: 25
- 24. Project managers must be able to make effective use of technology as it relates to the specific project.

ANS: T PTS: 1 REF: 26

25. Project managers for large information technology projects have to be experts in the field of information technology.

ANS: F PTS: 1 REF: 26

26. Project managers often take on the role of both leader and manager.

ANS: T PTS: 1 REF: 28

- 27. Today's project managers still draw the Gantt charts by hand.
 - ANS: F PTS: 1 REF: 30
- 28. Determining the relationships among tasks is not essential in helping to improve project scheduling.

ANS: F PTS: 1 REF: 31

29. New software makes basic tools, such as Gantt charts and network diagrams, inexpensive, easy to create, and available for anyone to update.

ANS: T PTS: 1 REF: 32

30. Many people still use basic productivity software, such as Microsoft Word or Excel, to perform many project management functions.

ANS: T PTS: 1 REF: 36

MULTIPLE CHOICE

1.	A 2001 report showed that the U.S. spends on projects every year								
	a. \$2.3 billion		с.	\$2.3 trillion					
	b. \$23 billion		d.	\$23 trillion					
	ANS: C	PTS: 1	REF:	2					

2. A 2001 report showed that the U.S. spends the equivalent of _____ of the nation's gross domestic product on projects every year.

a. 1/10		c. 1/4
b. 1/5		d. 1/2
ANS: C	PTS: 1	REF: 2

- 3. Many organizations assert that using project management provides advantages, such as _____.
 - a. lower profit margins c. lower quality
 - b. lower costs d. lower worker morale

	ANS: B	PTS:	1	REF:	4
4.	Because a project req boundaries to achieve a. financial b. spatial			с.	rious areas, many projects cross or other departmental technological
	ANS: C	PTS:	1	REF:	7
5.	The project usu a. leader b. sponsor	ally pro	vides direction	c.	nding for the project. manager director
	ANS: B	PTS:	1	REF:	7
6.	The limitations of sco a. double bind b. triple constraint	ope, tim	e, and cost goa	с.	ometimes referred to as the double constraint double obstacle
	ANS: B	PTS:	1	REF:	8
7.				, suppl c.	ect activities and include the project sponsor, iers, and even opponents of the project. Directors Citizens
	ANS: B	PTS:	1	REF:	11
8.	In the example of the a. contractors b. support staff	project	of building a h	с.	he sponsors would be the potential managers new homeowners
	ANS: D	PTS:	1	REF:	11
9.	In the example of the responsible for buildi a. project sponsors b. project team	ng the l	nouse.	c.	he would normally be the general contractor project manager support staff
	ANS: C	PTS:	1	REF:	11
10.	Project manage project successfully. a. scope b. quality ANS: A	ment in PTS:	-	c.	anaging all the work required to complete the time cost 12
11.					will satisfy the stated or implied needs for which it
11.	 a. cost b. time ANS: D 	PTS:	-	с.	scope quality
		г і э.	1	КĽГ.	15

12.	project.	ement is	concerned with		ng effective use of the people involved with the
	a. human resourceb. risk				communications procurement
	ANS: A	PTS:	1	REF:	13
13.	Project manage	ement ir	volves genera	ting, col	lecting, disseminating, and storing project
	a. riskb. procurement				communications resource
	ANS: C	PTS:	1	REF:	13
14.	Project manage knowledge areas.	ement is	an overarchin	g functio	on that affects and is affected by all of the other
	a. cost b. quality				integration time
	ANS: C	PTS:	1	REF:	13
15.	What works on one p to develop their know a. time b. resources			anaging c.	er, so it is essential for project managers to continue projects. funding skills
	ANS: D	PTS:	1	REF:	15
16.	According to the Sta information technolo a. Executive suppo	ogy proj		c.	owing factors contributes most to the success of Experienced project manager
	b. User involvemen	ıt		d.	Clear business objectives
	ANS: A	PTS:	1	REF:	16
17.					ibing what factors contribute most to the success of uccessful projects are led by experienced project
	a. 75			c.	97
	b. 80			d.	100
	ANS: C	PTS:	1	REF:	16
18.		oss all p d toolbo iders nlined p	parts of the org ox project delivery	anizatio	ng on key business aspects of their projects while n." Which best practice for project delivery does
	ANS: C	PTS:	1	REF:	17 18
19.	project manage	ement so	oftware integra	tes infor	mation from multiple projects to show the status of

active, approved, and future projects across an entire organization.

a. Investment c. Enterprise

	b	Active			d.	Budget
	ANS	S: C	PTS:	1	REF:	23
20.	a. (_ includes thousa eBay.com Monster.com	ands of j	ob listings for	с.	managers. Amazon.com CEO.com
	ANS	S: B	PTS:	1	REF:	24
21.	proc a. b. c. d		narketir knowle nent kno	ng, and contracted edge, standards owledge	ts. Thes	ics related to financial management, accounting, e topics are related to which area? gulations
	ANS	S: D	PTS:	1	REF:	25
22.	a. (ieving high perfo capital skills soft skills	ormance	e on projects re	с.	, otherwise called human relations skills. light skills hard skills
	ANS	S: B	PTS:	1	REF:	25
23.	goal		n long-t	erm goals and		ure objectives, while inspiring people to reach those leader
		CEO				manager
	ANS	S: C	PTS:	1	REF:	28
24.	a. 1) often deal manager leader	s with t	he day-to-day o	c.	of meeting specific goals. programmer analyst
	ANS	S: A	PTS:	1	REF:	28
25.	exec a. 1	utives.	survey	by CIO.com, p	с.	nanagement is the most desired skill by IT third fourth
	ANS	S: B	PTS:	1	REF:	28
26.	a. b. 1	t people agree th Great Wall of Ch first space shuttle S: D	nina	-	c.	ect management began with the Egyptian pyramids Manhattan Project 30
27.	a.	Manhattan Proje 1936 1946 S- B	ect cost a		c.	1956 1966
	1 11 16	. U	110.	1	ILLI .	50

28.	In, Henry Gant a. 1897 b. 1917	t develo	oped the famous	с.	chart as a tool for scheduling work in factories. 1927 1957
	ANS: B	PTS:	1	REF:	30
29.	A Gantt chart display a. pie chart b. line graph	/s a pro	ject's start and	с.	lates in a format. bar graph calendar
	ANS: D	PTS:	1	REF:	30
30.	 was the key inda. NASAb. The military	lustry b	ehind the devel	с.	t of several project management techniques. Steel manufacturing Marine biology
	ANS: B	PTS:	1	REF:	31
31.	The longest path throcalled the path.		network diagram	n that d	etermines the earliest completion of a project is
	a. essential b. important				critical vital
	ANS: C	PTS:	1	REF:	31
32.	By the, the mili a. 1960s b. 1970s	tary ha	d begun to use	c.	e to help manage large projects. 1980s 1990s
	ANS: B	PTS:	1	REF:	32
33.	was an early pr schedules for designi			ware p	roduct that helped managers analyze complex
	a. Artemisb. Columbia	ing une	luit.	с. d.	Vega Oberlin
	ANS: A	PTS:	1	REF:	32
34.	A PMO, or Project _ management function a. Management b. Money			zation. c.	al group responsible for coordinating the project Municipal Marketing
	ANS: A	PTS:	1	REF:	32
35.	projects.	are now	using enterpris	-	oject management software to help manage
	a. path b. portfolio				institute office
	ANS: B	PTS:	1	REF:	33
36.	PMI provides certific	cation a	s a Proiect Man	ageme	nt (PMP), someone who has documented

36. PMI provides certification as a Project Management _____ (PMP), someone who has documented sufficient project experience and education, agreed to follow the PMI code of professional conduct, and demonstrated knowledge of the field of project management by passing a comprehensive examination.

	a. Producerb. Practition	er			Professional Professor	
	ANS: C	PTS:	1	REF:	33	
37.	By the end of professionals. a. 20,000 b. 150,000		6, there w	с.	imately certified project management 220,000 820,000	
	ANS: C	PTS:	1	u. REF:		
38.	The Project M alphabetical d a. Center b. Alliance	Ianagement lirectory of mor	, a Web re than 30	o site for peop 0 project ma c. d.	ople involved in project management, provides an anagement software solutions. Consortium Facility	
	ANS: A	PTS:	1	REF:	36	
39.	 tools area. Low-endb. Midrange		ended for	c.	ects and single users. High-end Expensive	
	ANS: A	PTS:	1	REF:	36	
40.		handle very la	rge projec	cts.	oject management software, provide robust High-end Inexpensive 37	
СОМ	PLETION					
1.	More than 16			_ people rega	gard project management as their profession.	
	ANS: million	n				
	PTS: 1	REF:	3			
2.	The " projects were	canceled befor	_" study e complet	found that m ion.	more than 31 percent of information technology	
	ANS: CHAC	DS				
	PTS: 1	REF:	4			
3.	A(n) or result.		_ is a terr	porary ende	eavor undertaken to create a unique product, servic	e,
	ANS: project	t				
	PTS: 1	REF:	5			
4.	The term "		" r	efers to worl	rk done in organizations to sustain the business.	

ANS: operations

	PTS:	1	REF:	5
5.			inc	lude people, hardware, software, or other assets.
	ANS:	Resources		
	PTS:	1	REF:	7
6.				product or service does the customer or sponsor expect from the project?"
	ANS:	scope		
	PTS:	1	REF:	8
7.	The qu	estion, "What	is the p	roject's budget?" is related to the project's
	ANS:	cost		
	PTS:	1	REF:	8
8.	The			_ of project management includes quality along with scope, time, and cost.
	ANS:	quadruple con	straint	
	PTS:	1	REF:	10
9.	activit	ies to meet proj	is " ect req	'the application of knowledge, skills, tools, and techniques to project uirements."
	ANS:	Project manag	ement	
	PTS:	1	REF:	10
10.	Projec must c	t management <u>-</u> levelop.		describe the key competencies that project managers
	ANS:	knowledge are	eas	
	PTS:	1	REF:	12
11.		t management t ng out work in a		nd assist project managers and their teams in knowledge areas.
	ANS:	techniques		
	PTS:	1	REF:	13

12. Gantt charts, project network diagrams, critical path analysis, crashing, fast tracking, and schedule performance measurements are examples of tools and techniques for _____.

ANS: time management

PTS: 1 REF: 14

13. Companies that excel in project delivery use performance _______ to quantify progress.

ANS: metrics

PTS: 1 REF: 18

14. ______ refers to the process in which organizations group and manage projects and programs as a portfolio of investments that contribute to the entire enterprise's success.

ANS: Project portfolio management Portfolio management

PTS: 1 REF: 19

ANS: Soft

PTS: 1 REF: 25

16. One reason project managers need good ________ skills is that to understand, navigate, and meet stakeholders' needs and expectations, they need to lead, communicate, negotiate, solve problems, and influence the organization at large.

ANS: soft

PTS: 1 REF: 26

17. Some people say that, "Managers do things right, and ______ do the right things."

ANS: leaders

PTS: 1 REF: 28

18. A(n) ______ chart is a standard format for displaying project schedule information.

ANS: Gantt

PTS: 1 REF: 30

19. As computer hardware became smaller and more affordable and ______ became graphical and easy to use, project management software became less expensive and more widely used.

ANS: software

PTS: 1 REF: 32

20. The ______, an international professional society for project managers founded in 1969, has continued to attract and retain members, reporting 225,432 members worldwide by December 31, 2006.

ANS: PMI Project Management Institute Project Management Institute (PMI)

PTS: 1 REF: 33

ANS: Interest Groups

PTS: 1 REF: 33

22. _____, loosely defined, is a set of principles that guide our decision making based on personal values of what is "right" and "wrong."

ANS: Ethics

PTS: 1 REF: 34

23. ______tools, a step up from low-end tools, are designed to handle larger projects, multiple users, and multiple projects.

ANS: Midrange

PTS: 1 REF: 36

- 24. ________ is still the most widely used project management software today in the midrange tools category.
 - ANS: Microsoft Project
 - PTS: 1 REF: 37
- 25. _____ tools are generally licensed on a per-user basis.
 - ANS: High-end

PTS: 1 REF: 37

ESSAY

 Describe the triple constraint. What are the three components? What is the relationship among them? ANS: Every project is constrained in different ways by its scope, time, and cost goals. These limitations are sometimes referred to in project management as the **triple constraint**. To create a successful project, a project manager must consider scope, time, and cost and balance these three often-competing goals. He or she must consider the following:

Scope: What work will be done as part of the project? What unique product, service, or result does the customer or sponsor expect from the project? How will the scope be verified?

Time: How long should it take to complete the project? What is the project's schedule? How will the team track actual schedule performance? Who can approve changes to the schedule?

Cost: What should it cost to complete the project? What is the project's budget? How will costs be tracked? Who can authorize changes to the budget?

Managing the triple constraint involves making trade-offs between scope, time, and cost goals for a project. For example, you might need to increase the budget for a project to meet scope and time goals. Alternatively, you might have to reduce the scope of a project to meet time and cost goals. Experienced project managers know that you must decide which aspect of the triple constraint is most important. If time is most important, you must often change the initial scope and/or cost goals to meet the schedule. If scope goals are most important, you may need to adjust time and/or cost goals.

PTS: 1 REF: 8|9 TOP: Critical Thinking

2. List and describe each of the nine project management knowledge areas.

ANS:

Project scope management involves defining and managing all the work required to complete the project successfully.

Project time management includes estimating how long it will take to complete the work, developing an acceptable project schedule, and ensuring timely completion of the project.

Project cost management consists of preparing and managing the budget for the project.

Project quality management ensures that the project will satisfy the stated or implied needs for which it was undertaken.

Project human resource management is concerned with making effective use of the people involved with the project.

Project communications management involves generating, collecting, disseminating, and storing project information.

Project risk management includes identifying, analyzing, and responding to risks related to the project.

Project procurement management involves acquiring or procuring goods and services for a project from outside the performing organization.

Project integration management is an overarching function that affects and is affected by all of the other knowledge areas.

PTS: 1 REF: 12|13 TOP: Critical Thinking

3. What is the difference between leadership and management? How do these two terms relate to a project manager?

ANS:

Leadership and *management* are terms often used interchangeably, although there are differences. Generally, a **leader** focuses on long-term goals and big-picture objectives, while inspiring people to reach those goals. A **manager** often deals with the day-to-day details of meeting specific goals. Some people say that, "Managers do things right, and leaders do the right things." "Leaders determine the vision, and managers achieve the vision." "You lead people and manage things."

However, project managers often take on the role of both leader and manager. Good project managers know that people make or break projects, so they must set a good example to lead their team to success. They are aware of the greater needs of their stakeholders and organizations, so they are visionary in guiding their current projects and in suggesting future ones. As mentioned earlier, companies that excel in project management grow project "leaders," emphasizing development of business and communication skills. Yet good project managers must also focus on getting the job done by paying attention to the details and daily operations of each task. Instead of thinking of leaders and managers as specific people, it is better to think of people as having leadership skills, such as being visionary and inspiring, and management skills, such as being organized and effective. Therefore, the best project managers have leadership and management characteristics; they are visionary yet focused on the bottom line. Above all else, good project managers focus on achieving positive results!

PTS: 1 REF: 28 TOP: Critical Thinking

4. Discuss the PMP certification. What are the advantages of obtaining PMP certification?

ANS:

Professional certification is an important factor in recognizing and ensuring quality in a profession. PMI provides certification as a **Project Management Professional (PMP)**—someone who has documented sufficient project experience and education, agreed to follow the PMI code of professional conduct, and demonstrated knowledge of the field of project management by passing a comprehensive examination.

The number of people earning PMP certification continues to increase. In 1993, there were about 1,000 certified project management professionals. By the end of December 2006, there were 221,144 active PMPs.

Organizations that support PMP certification see the value of investing in programs to improve their employees' knowledge in project management. Many employers today require specific certifications to ensure their workers have current skills, and job seekers find that they often have an advantage when they earn and maintain marketable certifications.

Passing the PMP exam is becoming a standard for project managers. Some companies are requiring that all project managers be PMP certified. Project management certification is also enabling professionals in the field to share a common base of knowledge. For example, any person with PMP certification can list, describe, and use the nine project management knowledge areas. Sharing a common base of knowledge is important because it helps advance the theory and practice of project management.

PTS: 1 REF: 33|34 TOP: Critical Thinking

5. Discuss the PMI Code of Ethics and Professional Conduct.

ANS:

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PMI approved a new Code of Ethics and Professional Conduct effective January 1, 2007. This new code applies not only to PMPs, but to all PMI members and individuals who hold a PMI certification, apply for a PMI certification, or serve PMI in a volunteer capacity. It is vital for project management practitioners to conduct their work in an ethical manner. Even if you are not affiliated with PMI, these guidelines can help you conduct your work in an ethical manner, which helps the profession earn the confidence of the public, employers, employees, and all project stakeholders. The PMI Code of Ethics and Professional Conduct includes short chapters addressing vision and applicability, responsibility, respect, fairness, and honestly.

PTS: 1 REF: 35 TOP: Critical Thinking