## 项目过程与管理 考试注意事项

## **SPM** GuideLines

## 考试题型[Sections]:

第1部分[Section 1]: 判断题(<mark>20\*1=20分</mark>)

第 2 部分[Section 2]: 单选题(20\*1=20分)

第 3 部分[Section 3]: 填空题(20 \* 1 = 20 分)

第 4 部分[Section 4]: 简答题(40 分)

## 答题规范[Answer format]:

第 1~3 部分,在表格中填写答案,如下所示[In Section 1 to 3, you need to write the answers in a table]:

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.
Section	2	(3)		
1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.
Section	3	62		
1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

第 4 部分,在试卷上答题[answer in the answer sheet]

## 注意事项[Tips]:

● 不能带课本,PPT,电子书,小抄,字典等进入考场。[Student must not carry textbooks, ppts, electronic dictionary, ipads, kindles,

printed notes and dictionary.]

- 课程名称[Course Name]: Software Process and Project Management
- 老师姓名[Teacher Name]: Angaj
- 试卷上自己的姓名用拼音,并且需要标注自己的班级号(可以加组号),例如: Zhangsan\_A1, Lisa\_B
- Student must write their name(pinyin) in the exam answer paper's along with their group number(A1, B1, C, D).

## Please complete the following exercises carefully!

#### Section1: True and False

There are answers at the end, please complete the exercise first and then check them. 1. ( ) Every project should have a well-defined objective. ( ) A project manager's primary role is to provide the funding for a project. False 3. ( ) One of the main reasons why project management is challenging is because of the factor of uncertainty. ( ) Managing the triple constraint primarily involves making trade-offs between resources and quality. ( ) The only responsibility of a project manager is to meet the specific scope, time, and cost goals of a project. ( ) The importance of stakeholders' needs and expectations is limited to the beginning of a project. ( ) Project managers work with the project sponsors to define success for particular projects. ( ) Individual projects always address strategic goals whereas portfolio management addresses tactical goals. ( ) To be a successful manager, the only skills an IT project manager needs to possess are excellent technical skills. 10. ( ) Project managers in matrix organizations have staff from various functional areas working on their projects. 11. ( ) Project managers must take adequate time to identify, understand, and manage relationships with all project stakeholders.

( ) It is much more expensive to make major changes to a project during the earlier phases.
 ( ) The last phase of the traditional project life cycle is the implementation phase.
 ( ) An organization usually commits more money as a project continues, therefore a management review should occur after each phase to evaluate progress, potential success, and continued compatibility with organizational goals.

15.	(	)	The team members of a virtual team are all of the same nationality.				
16.	(	)	Decisions and actions taken in one knowledge area at a certain time rarely affect				
other knowledge areas.							
17.	(	)	Initiating processes take place during each phase of a project.				
18.	(	)	The level of activity and length of each process group varies for every project.				
19.	(	)	Initiating and closing tasks are usually the longest and require the most amount				
of re	sou	rce	s and time.				
20.	(	)	The executing process group generally requires the most resources.				
21.	(	)	Monitoring and controlling processes overlap all of the other project				
man	age	me	nt process groups.				
22.	(	)	Many project management activities occur as part of the planning process				
grou	p.						
23.	(	)	Agile methods are used when deliverables have a low degree of change.				
24.	(	)	The Rational Unified Process (RUP) framework is incompatible with the PMBOK				
proc	ess.						
25.	(	)	The kick-off meeting is always held before the business case and project charter				
are c	om	ple	ted.				
26.	(	)	A milestone list is an output associated with the Project Scope Management				
knov	vled	lge	area.				
27.	(	)	In the Scrum method, team members work as a self-directed group coached by				
the S	Scru	m۱	Master.				
28.	(	)	The burndown chart is a Scrum created artifact that provides a list of features				
prior	itiz	ed l	by business value.				
29.	(	)	A sprint review is a meeting in which the team demonstrates to the product				
own	er v	vha	t it has completed during the sprint.				
30.	(	)	The pre-initiation phase of a project using the Scrum method does not involve				
proje	ect	cha	rters, stakeholder management strategy, and kick-off meetings.				
31.	(	)	The two main items for monitoring and controlling in the Scrum framework are				
the o	laily	/ Sc	rum and the sprint retrospectives.				

32. ( ) Payback period is the amount of time it will take to reco	oup, in the form of net						
cash inflows, the total dollars invested in a project.							
33. ( ) A project charter typically does not authorize the proje	ct manager to use						
organizational resources to complete the project.							
34. ( ) A Gantt chart is the same as a project management pla	n.						
35. ( ) Scope refers to all the work involved in creating the pro	oducts of the project and						
the processes used to create them.							
36. ( ) Deliverables are only product-related, such as a piece of	of hardware or software.						
37. ( ) Project scope management includes the processes invo	olved in defining and						
controlling what is or is not included in a project.							
38. ( ) The project's size, complexity, importance, and other fa	actors do not affect how						
much effort is spent on collecting requirements for scope planning.							
39. ( ) Information from the project charter provides a basis for	or further defining the						
project scope.							
40. ( ) Project scope statements must include the project bou	ndaries, constraints, and						
assumptions.							
41. ( ) The scope of a project is clear and specific from the sta	rt.						
42. ( ) Many information technology projects also require det	ailed functional and						
design specifications for developing software, which also should be	referenced in the						
detailed scope statement.							
43. ( ) The project scope statement should reference supporti	ing documents, such as						
product specifications that will affect what products are produced of	or purchased, or						
corporate policies, which might affect how products or services are	produced.						
44. ( ) The scope baseline includes the approved project scope	e statement and its						
associated WBS and WBS dictionary.							
45. ( ) The main purpose of the WBS is to define all of the wor	k required to complete a						
project.							
46. ( ) A work package represents one component of the production	luct that the project aims						
to deliver.							
47. ( ) The tasks in a WBS must be developed as a sequential I	ist of steps.						

48. ( ) A unit of work should appear at only one place in the WBS.	
49. ( ) Scope creep if not managed well can lead to the failure of information	
technology projects.	
50. ( ) An activity or task is an element of work normally found on the work breakdown	
structure (WBS) that has expected duration, cost, and resource requirements.	
51. ( ) In project schedule management, the primary output of defining activities is a	
schedule management plan.	
52. ( ) It is important for the activity list and activity attributes to be in agreement with	
the work breakdown structure.	
53. ( ) Milestones are easy to achieve and are always achieved through one main	
activity.F	
54. ( ) After defining project activities, the next step in project schedule management is	
developing the schedule.	
55. ( ) Network diagrams are the preferred technique for showing activity sequencing.	
56. ( ) Start-to-finish relationships are the most frequently used dependencies between	
activities.	
activities.  57. ( ) In a critical path analysis, the shortest path is what drives the completion date	
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66.	(	)	In a bottom-up estimate, the size of the individual work items is one of the
facto	ors	tha	t drives the accuracy of the estimates.
67.	(	)	The formulas for variances and indexes start with EV, the earned value.
68.	(	)	Project stakeholder management has only been identified as an entire
knov	vle	dge	area by the Project Management Institute since 2013.
69.	(	)	Projects often do not cause any changes in an organization.
70.	(	)	Stakeholders might change during a project due to employee turnover,
part	ner	ship	os, and other events.
71.	(	)	Communication and interpersonal skills are important for successful project
stak	eho	lde	r management.
72.	(	)	Issue logs can be used to address issues related to other knowledge areas like
proje	ect	sco	pe management or project quality management.
73.	(	)	Though stakeholders cannot be controlled, their level of engagement can be
mon	itoı	ed	
74.	(	)	Risks can have both negative and positive effects on meeting project objectives
75.	(	)	Unknown risks can be managed proactively.
76.	(	)	Risk events refer to specific, certain events that may occur to the detriment or
enha	ance	eme	ent of the project.
77.	(	)	A probability/impact matrix or chart lists the relative probability of a risk
occu	ırrir	ng o	n one side of a matrix or axis on a chart and the relative impact of the risk
occu	ırrir	ng o	n the other.
78.	(	)	Top Ten Risk Item Tracking is a quantitative risk analysis tool.
79.	(	)	Identified risks may not materialize, or their probabilities of occurrence or loss
may	din	nini	sh.

#### Answers:

1-5 TFTFF
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6-10 FTFFT

11-15 TFFTF

16-20 FTTFT

21-25 TTFFF

26-30 FTFTF

31-35 TTFFT

36-40 FTFTF

41-45 FTTTT

46-50 FFTTT

51-55 FTFFT

56-60 FFFTF

61-65 FTFTT

66-70 TTTFT

71-75 TTTTF

76-79 FTFT

## **Section2: Mutiple Choice**

1-5 BCDE	BD 6-10 C_AC	ΞA				
1. Durin	g which phase	must	project	t teams addr	ess in	nportant considerations for managing
information (and often end up updating business processes through improved communications)?						
a.	closing	b.	execu	tion		
c.	planning	d.	monit	oring and co	ntroll	ing
2. An ex	ample of push	comr	nunicat	ion is		
a.	meetings	b.	video	conferencing	5	
c.	voice mails	d.	blogs			
3. An ex	ample of pull c	omm	unicatio	on is		
a.	meetings	b.	video	conferencing	5	
c.	voice mails	d.	blogs			
4. Which	n document ad	dress	es whe	re the projec	t staı	nds in terms of meeting scope, time, and
cost goal	s?					
a.	technical repo	orts	b. s	tatus reports		
C.	progress repo	rts	d. le	essons-learne	ed rep	oorts
5. Which	n process involv	ves ni	umerica	ally estimatin	g the	effects of risks on project objectives?
a.	performing qu	ualita	tive risl	k analysis	b.	planning risk responses
c.	identifying ris	ks			d.	performing quantitative risk analysis
6	are predefine	d acti	ons tha	at the project	tear	n will take if an identified risk event occurs.
a.	Secondary ris	ks	b. V	Vorkarounds		
c.	Contingency p	olans	d. N	/lanagement	reser	ves
7. Which	n is a fact-findir	ng ted	hnique	that can be	used	for collecting information in face-to-face,
phone, e	-mail, or instar	nt-me	ssaging	discussions	þ	
a.	brainstorming	3	b	. Monte C	arlo a	analysis
c.	the Delphi ted	chniq	ue d	. interview	/ing	
8. Which	document con	ntains	results	of various ri	sk m	anagement processes; it is often displayed
in a table or spreadsheet format?						

b. influence diagram

process flow chart d. work breakdown structure

a. risk register

9. The lists the relative probability of a risk occurring and the relative impact of the risk						
occurring.						
a. Top Ten Risk Item Tracking chart b. requirements traceability matrix						
c. probability/impact matrix d. expectations management matrix						
10. Which diagramming technique is used to help select the best course of action in situations in						
which future outcomes are uncertain?						
a. decision tree b. activity-on-arrow						
c. workaround d. backward pass						
11-15 AADCA						
11. Which action involves eliminating a specific threat, usually by eliminating its causes?						
a. risk avoidance b. risk acceptance						
c. risk transference d. risk mitigation						
12 are unplanned responses to risk events used when project teams do not have						
contingency plans in place.						
a. Workarounds b. Fallback plans						
c. Contingency plans d. Triggers						
13.In project procurement management, which is an output of the planning process?						
a. change requests b. selected sellers						
c. resource calendars d. make-or-buy decisions						
14.A(n) is a document used to solicit proposals from prospective suppliers.						
a. RFQ b. WBS						
c. RFP d. SOW						
15.A document used to solicit quotes or bids from prospective suppliers is known as a(n)						
a. RFQ b. RFP						
c. WBS d. SOW						
16-20 DABAB						
16.After planning for procurement management, the next process involves						
a. determining the evaluation criteria for the contract award						
b. developing procurement statements of work						
c. using expert judgement in planning purchases and acquisitions						

	d.	sending appropriat	te docum	nentat	ion to	potential sellers
17. What process involves determining everyone involved in the project or affected by it, and						
determining the best ways to manage relationships with them?						
a.	iden	tifying stakeholders	5		b.	planning stakeholder management
c.	man	aging stakeholder e	engagem	ent	d.	controlling stakeholder engagement
18.The n	nain o	output of which prod	cess is th	e stak	ehold	ler register?
a.	plan	ning stakeholder m	anageme	ent	b.	identifying stakeholders
c.	man	aging stakeholder e	engagem	ent	d.	controlling stakeholder engagement
19.Whic	h is tr	ue about identifying	g stakeho	olders	?	
	a.	External project sta	akeholde	ers incl	lude t	he project's customers.
	b.	It is not very difficu	ult to ide	ntify s	takeh	olders.
	c.	Stakeholders with	indirect	ties to	the p	project need not be engaged with.
	d.	Stakeholders do no	ot change	e durir	ng a p	roject.
20.The p	rojec	t team must take co	rrective	action	if sta	skeholders with are categorized as
resistant	t or ur	naware.				
a.	high	interest/low power	r b.	high	n inte	rest and high power
C.	low	interest/ low power	r d.	low	inter	est/high power
21-25	_ACC					
21.Scope	e, tim	e and cost goals in c	order of i	mport	ance	can be ranked on a(n)
a.	requ	uirements traceabili	ty matrix	c b.	exp	ectations management matrix
c.	resp	onsibility assignme	nt matrix	d.	prol	pability matrix
22.A(n)		is a tool used to do	cument,	monit	tor, a	nd track problems that need resolution.
a.	requ	uirements traceabili	ty matrix	(	b.	Gantt chart
C.	pow	er/interest grid			d.	issue log
23. Which process involves allocating the overall cost estimate to individual work items to						
establish	n a ba	seline for measuring	g perforn	nance	?	
a.	dete	ermining the budget	b. fin	alizing	g polic	cies for project costs
c.	cont	trolling costs	d. es	timatiı	ng co	sts
24.Whic	h prod	cess results in a cost	t baseline	e as a	main	output?
a.	cost	controlling	b. co	st esti	matir	g

- c. cost budgeting d. cost planning
- 25. Which process helps develop an accurate projection of a project's financial expenses and

#### benefits?

- a. critical path analysis b. fast tracking
- c. life cycle costing d. crashing

#### 26-30 BABDC

26. Which method is used for determining the estimated annual costs and benefits for a project?

- a. Critical path analysis
- b. Cash flow analysis
- c. Present value analysis
- d. Requirements analysis

27. Which statement is true of contingency reserves?

- a. They allow for future situations that can be partially planned for.
- b. They are also known as unknown unknowns.
- c. They are not included in a cost baseline.
- d. They allow for dollar amounts to be used to cover existing, fixed costs.

28. Which is most likely to be a reason for inaccuracies in information technology cost estimates?

- a. Estimates take a long time to be worked out.
- b. People lack estimating experience.
- c. Human beings are biased toward overestimation.
- d. Only software development provides the scope for estimates to be accurate.

29. What is another term used for budget?

- a. earned value b. actual cost
- c. indirect cost d. planned value

30. Which is true of earned value?

- a. It is the actual cost plus the planned cost.
- b. It is based solely on the total cost estimate to be spent on an activity.
- c. It is an estimate of the value of the physical work actually completed.
- d. It is also known as the planned value.

#### 31-35 ADABB

- 31. During which relationship is the "from" activity unable start until the "to" activity is started?
  - a. start-to-start b. finish-to-finish

c.	finish-to-start	d.	start-to-	finish			
32.After working with key stakeholders to define activities and calculate their resources, what is							
the next process in project schedule management?							
a.	develop the schedule. b.				con	trol the schedule.	
c.	determine their de	epend	dencies.	d.	esti	mate the duration of activities.	
33.Whic	33. Which provide a standard format for displaying project schedule information by listing project						
activities and their corresponding start and finish dates in a calendar format?							
a.	Gantt charts				b.	Critical path analysis	
c.	Arrow diagrammir	ng me	ethod		d.	PERT analysis	
34.Whic	h technique involve	s net	work diag	ramm	ing a	nd is used primarily to predict total project	
duration	1?						
a.	Gantt chart				b.	critical path analysis	
c.	resource breakdov	wn st	ructure		d.	arrow diagramming method	
35.The c	35.The critical path is the path through a network diagram, and it represents the						
amount	of slack or float.						
a.	longest; longest	b.	longest;	short	est		
C.	shortest; longest	d.	shortest	; shor	test		
36-40 D	ACBB						
36.What	36. What term is used for the amount of time an activity can be delayed without delaying the						
early sta	early start date of any immediately following activities?						
a.	forward pass	b.	backwar	d pas	S		
C.	fast tracking	d.	free slac	:k			
37.What	term is used for the	e amo	ount of tin	ne an	activ	rity can be delayed from its early start	
without	without delaying the planned project finish date?						
a.	total slack	b.	free floa	it			
C.	backward passd.	forv	ward pass				
38.Whic	h technique involve	s doir	ng activitie	es in p	oarall	el that one would normally do in sequence?	
a.	Critical chain sche	dulinį	g	b.	Cra	shing	
C.	Fast tracking			d.	PER	T analysis	

39. Which technique is used for making cost and schedule trade-offs to obtain the greatest amount of schedule compression for the least incremental cost?

- dependency
- b. crashing
- c. critical chain scheduling d. feeding buffers

40. How does critical chain scheduling protect tasks on the critical chain from being delayed?

- critical paths
- b. feeding buffers
- dummy activities d. fast tracking

41-45 CCCD

41. Which law states that work expands to fill the time allowed?

- a. Murphy's Law
- b. Miller's Law
- C.
- Parkinson's Law d. Einstein's Law

42. Which is a similarity between scope control and schedule control?

- Both are initial processes of project time management.
- b. Both of their primary goals is to define project goals and milestones.
- c. Both are portions of the integrated change control process under project integration management.
- Both of these processes should occur before estimating activity durations.

43. Which term describes a product produced as part of a project?

- a. variance
- b. scope
- deliverable
- d. work package

44. Which statement best describes scope?

- each level of work that is outlined in a work breakdown structure
- b. end product created as part of a project that is delivered to the client
- tasks that are decomposed into smaller tasks in a work breakdown structure
- work involved in creating the products and the processes used to create them

45. Which task is at the lowest level of the WBS?D

- a. variance
- b. objective
- c. deliverable
- d. work package

46-50 BAAAB

46. Which is recommended for the creation of a good WBS?

- a. Any WBS item should be the responsibility of all the people working on it.
- b. A unit of work should appear at only one place in the WBS.
- c. Each WBS item should be created assuming that the requirements are inflexible.
- d. The work content of a WBS item is independent of the WBS items below it.

47. Which process involves working with stakeholders to create the document that formally authorizes a project?

- a. Developing the project charter
- b. Developing the preliminary project scope statement
- c. Developing the project management plan
- d. Performing integrated change control

48. What is the first step in the planning process?

- a. tie the information technology strategic plan to the organization's overall strategic plan
- b. perform a business area analysis
- c. start defining potential IT projects in terms of their scope, benefits, and constraints
- d. choose which projects to do and assigning resources to work on them

49. Which process includes defining project scope, benefits, and constraints?

- a. project planning b. business area analysis
- c. resource allocation d. information technology strategy planning

50. What type of analysis involves calculating the expected net monetary gain or loss from a project by discounting all expected future cash inflows and outflows to the present point in time?

- a. Cost of capital b. Net present value
- c. Cash flow d. Payback

#### 51-55 CCB(AB)A

51.In a weighted scoring model, what percent must the sum of the weights of all the criteria total?

- a. 10 b. 50
- c. 100 d. 150

52. Which information is included in a business case?

a. business need for the project

	b.	relevant governme	ent or	ndustry standards			
	c. project objective, high-level requirements, and time and cost goals						
	d.	policies, procedure	es, gu	idelines, and systems that influence a project's success			
53.\	3. Which section of the project management plan provides the planned cost of deliverables?						
	a.	objectives	b.	budget			
	c.	risk	d.	technical			
54. <sup>-</sup>	The so	crum approach origi	inate	d with agile software development as practitioners looked for			
way	/s to_						
	A) ir	mprove communica	tion	B) increase throughput			
	C) ir	ncrease risk		D) All of Above			
55./	Altho	ugh Scrum was inte	nded	for management of software development projects, it can be			
use	d to r	un software mainte	nanc	e teams, or as a general project/program management			
арр	roach	٦.					
	A) T	rue	B) F	alse			
56-	60 (A	BC)ABCB					
56.	The m	nain roles in Scrum a	are:				
	A) S	crumMaster		B) Product Owner			
	C) T	eam		D) Person			
57.9	Scrun	n eliminates many o	f the	tasks required of a lead because teams become self-organizing.			
	A) T	rue		B) False			
58.1	n scr	um the team activit	y is m	nonitored and coordinated on basis.			
	A) h	ourly		B) daily			
	C) w	veekly		D) monthly			
59.9	Scrum	n is iterative. The ite	ratio	n is called			
	A) s	prite		B) IT1			
	C) s	print		D) sprinte			
60.	Γhe	is respons	ible f	or maximizing return on investment (ROI) by identifying			
pro	duct	features, translating	thes	e into a prioritized feature list, deciding which should be at the			
top	of th	e list for the next Sp	rint,	and continually re-prioritizing and refining the list.			
	A) S	crum Master		B) Product Owner			

C) Manager	D) Team					
61-65 ABCCD						
61.The team in Scrum is seven pl	lus or minus two people.					
A) True B) I	False					
62.The ScrumMaster and the Pro	oduct Owner can be the same individual;					
A) True B) I	False					
63.The first step in Scrum is for t	he Product Owner to articulate the product vision. Eventually,					
this evolves into a refined and pr	rioritized list of features called the					
A) Sprint Backlog	B) Whiteboard					
C) Product Backlog	D) All of above					
64.The team meets daily for	minutes, where each member of the team discusses the work					
they've completed since the last	meeting					
A) 10 B) 12 C) 15	D) 20					
65are of scrum principles.						
A) Time-boxes	B) Cross-functional teams					
C) Open communications w	ithin team. D) All of above					
E) Both A & B						
66-70 BABD_						
66.Users & Stakeholders in scrun	n are Interested in results but not responsible for deliverables.					
A) True B) False						
67. The organization recognizes t	hat a new project exists and completes a project charter during					
which processes for a new project?						
a. initiating	b. planning					
c. opening	d. controlling					
68. What is developed in the Proj	68. What is developed in the Project Integration Management knowledge area?					
a. schedule management pl	an b. project management plan					
c. WBS	d. quality management					
69. What is the main purpose of p	project plans?					
a. schedule management pl	ans b. define project scope					
c. estimate activity resource	es d. guide project execution					

70. Which process includes measuring progress toward project objectives and taking corrective action to match progress with the plan?

a. Planning

b. Monitoring and controlling

c. Executing

d. Initiating

#### 71-75 CDDAA

- 71. Which is true about the agile method?
- a. It is often used when a project team can express the scope early in the product life cycle.
- b. It is used when a project team wants to provide a potentially shippable product earlier rather than later.
- c. It uses several iterations or deliveries of software instead of waiting until the end of the project to provide a product.
- d. It is used when project teams want to use the predicative approach to a project.
- 72. Which project would be compatible with the use of the agile approach?
- a. Projects with inexperienced and dispersed teams
- b. Projects that have a fairly rigid completion date
- c. Projects with clear-up front requirements
- d. Projects that have more flexible scheduling
- 73. Which activity is a part of the Scrum planning process?
- a. Determining how many sprints will compose each release
- b. Demonstrating the product during a sprint review meeting
- c. Completing tasks each day during sprints
- d. Creating sprint backlog

74.In the Scrum method, during which meeting is the improvement of the product and process discussed?

a. sprint retrospective

b. sprint review

c. kick-off

d. daily Scrum

75.A \_\_\_\_\_ is usually not necessary to the Scrum method, because Scrum implies that team members work as a self-directed group.

a. team charter

b. velocity estimate

c. Gantt chart

d. product backlog

#### 76-80 CBCAA

76. What important Scrum artifact is used to	graphically display	progress on each	n sprint durii	ηg
the monitoring and controlling process?				

a. WBS b. sprint backlog

c. burndown chart d. product backlog

77.In what type of organizational structure do project managers have the most authority?

i. Functional b. Project

c. Matrix d. Circular

78.In which product life cycle the scope, schedule, and cost are determined early, and changes to scope are carefully managed?

a. Iterative b. Incremental

Predictive d. Adaptive

79.In which development life cycle do stakeholders define and approve the detailed scope before the start on an iteration?

a. Adaptive b. Hybrid

. Incremental d. Iterative

80. Which observation is true of the agile approach to software development?

a. In the agile method, requirements and solutions evolve through collaboration.

b. An agile approach sets scope goals, but leaves time and cost goals flexible.

c. Agile is a predictive model of software development.

d. In the agile approach, requirements must be clearly expressed early in the life cycle.

#### 81-85 BABDB

81. Which objective is true of projects?

a. They have an indefinite beginning and end.

b. They have a unique purpose.

c. They are developed using regressive elaboration.

d. They are permanent in nature.

82. The role of a \_\_\_\_\_ is to provide direction and funding for a project.

a. project sponsor b. project manager

c. support staff member d. project team

83. Which knowledge area involves defining and managing all the work required to complete the						
project s	successfully?					
a.	Project resource manag	şeme	nt	b.	Project scope management	
C.	Project time manageme	ent		d.	Project cost management	
84. Which project management knowledge area ensures that the project will satisfy the stated or						
implied	needs for which it was ur	iderta	akenî	?		
a.	Project cost manageme	nt	b.	Pro	ject time management	
c.	Project risk managemen	nt	d.	Pro	ject quality management	
85.Proje	ct procurement manager	nent	main	nly inv	volves:	
a.	making effective use of	the p	oeopl	le inv	olved with the project.	
b.	buying goods and service	ces fo	or a p	rojec	t from outside the performing organization.	
c.	c. generating, collecting, disseminating, and storing project information.					
d. identifying and analyzing stakeholder needs while managing and controlling their						
engagement.						
86-88 DAC						
86.An important tool for project scope management is						
a.	fast tracking	b.	a ki	ckoff	meeting	
C.	a Gantt chart	d.	a w	ork b	reakdown structure	
87. Fast tracking is an example of a tool used in management.						
a.	schedule	b.	qua	lity		
C.	communication	d.	risk			
88. Which organization provides certification as a Project Management Professional?						
a.	PMS b. PMC					
c.	PMI d. PMP					

1.A project's sponsor is also known as a(n)
2.In project management, the three limitations of scope, time, and cost are referred to as the
3.The of project management includes quality, scope, time, and cost constraints.
4.Project management describe the key competencies that project managers must
develop.
5.A(n) refers to a product or service, such as a report, a training session, a piece of
hardware, or a segment of software code, produced or provided as part of a project.
6.A(n) is a framework for describing the phases of developing information systems.
7.The life cycle model is suitable for projects in which changes can be incorporated with
reasonable cost increases or acceptable time delays.
8 software development can be used for software development or in any environment in
which the requirements are unknown or change quickly.
9.Sprint planning is part of the basic
10 progress from initiation activities to planning activities, executing activities, monitoring
and controlling activities, and closing activities.
11.The ideal outcome of the process group is to complete a project successfully by
delivering the agreed-upon project scope within time, cost, and quality constraints.
12.A(n) describes how things should be done.
is a project management methodology that defines 45 separate subprocesses and
organizes these into eight process groups.
13.The is a very important tool in project management because it provides the basis for
deciding how to do the work.
14.A(n) is the person responsible for the business value of the project and for deciding
what work to do and in what order when using a Scrum method.
15.A(n) is a set period of time, normally two to four weeks, during which specific work
must be completed and made ready for review when using Scrum methods.

16.A(n) is the person who ensures that the team is productive, facilitates the daily Scrum,
enables close cooperation across all roles and functions, and removes barriers that prevent the
team from being effective.
17.A(n) is a cross-functional team of five to nine people who organize themselves and the
work to produce the desired results for each sprint.
18.In Scrum, a(n) is a useful object created by people.
19.A(n) is a Scrum artifact and consists of the highest-priority items from the product
backlog to be completed in a sprint.
20 are short descriptions written by customers of what they need a Scrum system to do
for them.
21.If done well, the can produce several releases of useful software.
22 involves determining long-term objectives by analyzing the strengths and weaknesses,
studying opportunities and threats, predicting future trends, and projecting the need for new
products and services.
23 is a technique that uses branches radiating from a core idea to structure thoughts and
ideas.
24 analysis is a method of calculating the expected net monetary gain or loss from a
project by discounting all expected future cash inflows and outflows to the present point in time.
25.A(n) is a tool that provides a systematic process for selecting projects based on many
criteria.
26.A is a starting point, a measurement, or an observation that is documented so that it
can be used for future comparison. changes.
27.A(n) is a formal group of people responsible for approving or rejecting changes to a
project.
project.  28 costing helps to see a big-picture view of the cost of a project throughout its life cycle.
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<ul> <li>28 costing helps to see a big-picture view of the cost of a project throughout its life cycle.</li> <li>29.Project managers must conduct cash flow analysis to determine</li> <li>30.A(n) estimate is done very early in a project or even before a project is officially</li> </ul>

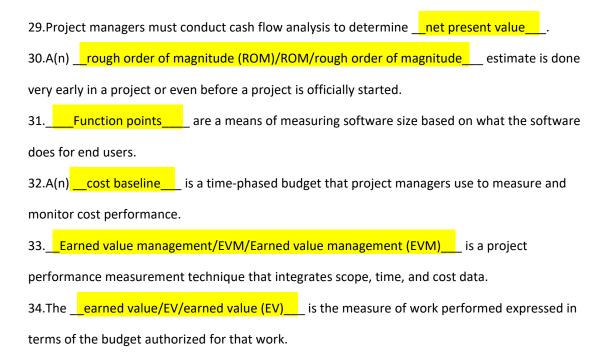
32.A(n) is a time-phased budget that project managers use to measure and monitor cost
performance.
33 is a project performance measurement technique that integrates scope, time, and cost
data.
34.The is the measure of work performed expressed in terms of the budget authorized for
that work.

# Answer: 1.A project's sponsor is also known as a(n) \_\_primary customer\_\_\_. 2.In project management, the three limitations of scope, time, and cost are referred to as the

triple constraint .

- 3.The \_\_\_quadruple constraint\_\_ of project management includes quality, scope, time, and cost constraints.
- 4.Project management \_\_knowledge areas\_\_\_ describe the key competencies that project managers must develop.
- 5.A(n) \_\_deliverable\_\_ refers to a product or service, such as a report, a training session, a piece of hardware, or a segment of software code, produced or provided as part of a project.
- 6.A(n) \_\_SDLC/systems development life cycle/systems development life cycle (SDLC) \_\_\_ is a framework for describing the phases of developing information systems.
- 7.The \_\_\_spiral\_ life cycle model is suitable for projects in which changes can be incorporated with reasonable cost increases or acceptable time delays.
- 8. \_\_Agile\_\_ software development can be used for software development or in any environment in which the requirements are unknown or change quickly.
- 9.Sprint planning is part of the basic \_\_Scrum framework\_\_\_\_.
- 10. \_\_Project management process groups\_\_ progress from initiation activities to planning activities, executing activities, monitoring and controlling activities, and closing activities.
- 11. The ideal outcome of the \_\_monitoring and controlling\_\_ process group is to complete a project successfully by delivering the agreed-upon project scope within time, cost, and quality constraints.
- 12.A(n) methodology describes how things should be done.
- \_\_\_\_PRojects IN Controlled Environments, PRINCE2\_\_ is a project management methodology that defines 45 separate subprocesses and organizes these into eight process groups.
- 13.The \_\_\_WBS/work breakdown structure/work breakdown structure (WBS)\_\_ is a very important tool in project management because it provides the basis for deciding how to do the work.
- 14.A(n) \_product owner\_ is the person responsible for the business value of the project and for deciding what work to do and in what order when using a Scrum method.

15.A(n)sprint is a set period of time, normally two to four weeks, during which specific
work must be completed and made ready for review when using Scrum methods.
16.A(n)ScrumMaster is the person who ensures that the team is productive, facilitates the
daily Scrum, enables close cooperation across all roles and functions, and removes barriers that
prevent the team from being effective.
17.A(n)Scrum team development team is a cross-functional team of five to nine people
who organize themselves and the work to produce the desired results for each sprint.
18.In Scrum, a(n)artifact is a useful object created by people.
19.A(n)sprint backlog is a Scrum artifact and consists of the highest-priority items from the
product backlog to be completed in a sprint.
20User stories are short descriptions written by customers of what they need a Scrum
system to do for them.
21.If done well, theagile approach/agile method can produce several releases of
useful software.
22. Strategic planning involves determining long-term objectives by analyzing the strengths
and weaknesses, studying opportunities and threats, predicting future trends, and projecting the
need for new products and services.
23. Mind mapping is a technique that uses branches radiating from a core idea to structure
thoughts and ideas.
24Net present value analysis is a method of calculating the expected net monetary gain
or loss from a project by discounting all expected future cash inflows and outflows to the present
point in time.
25.A(n)weighted scoring model is a tool that provides a systematic process for selecting
projects based on many criteria.
26.Abaseline is a starting point, a measurement, or an observation that is documented so
that it can be used for future comparison. changes.
27.A(n) _change control board/change control board (CCB)/CCBchange control board is a
formal group of people responsible for approving or rejecting changes to a project.
28Life cycle costing helps to see a big-picture view of the cost of a project throughout its
life cycle.



#### **Section4: Writing Part**

You can write your answer in the blanks.

This section does not provide reference answers.

- 1. What are the triple constants?
- 2. What are 8 project management techniques
- 3. difference project phase and 5 project management process groups.
- 4. What are the phases in a traditional project life cycle?
- 5. What is performance reporting? What are some methods used for performance reporting?
- 6. What are the 5 stages of the Tuckman model?
- 7. List and describe each of the 10 project management knowledge areas.
- 8. What are the phases in a traditional project life cycle?
- 9. What are the 4 scrum ceremonies?
- 10. What is performance reporting? What are some methods used for performance reporting?
- 11. What are the 12 principles behind the Agile Manifesto?
- 12. What are the 5 stages of the Tuckman model?

These videos are important for section 4. You can find some answers in videos and others you can make your own answers by looking at the PPT.

压缩包中有学习的视频,是针对第四部分的,剩下一些问题的答案在PPT中可以找到。

### these 3 questions are very important so learn them well

## 这三个知识点非常重要, 需要掌握

KA/PG	Initiating	Planning	Executing	Monitoring & Controlling	Closing
Integration	Develop Project Charter	Develop Project Mgmt Plan	Direct and Manage Project Work     Manage Project Knowledge	Monitor and Control Project Work     Perform Integrated Change Control	Close Project or Phase
Scope		Plan Scope Management     Collect Requirements     Define Scope     Create WBS		Validate Scope     Control Scope	
Schedule		Plan Schedule Mgmt     Define Activities     Sequence Activities     Estimate Activity Durations     Develop Schedule		Control Schedule	
Cost		Plan Cost Mgmt     Estimate Costs     Determine Budget		Control Costs	
Quality		Plan Quality Mgmt	Manage Quality	Control Quality	
Resource		Plan Resource Mgmt     Estimate Activity Resources	Acquire Resources     Develop Team     Manage Team	Control Resources	
Communications		Plan Communications Mgmt	Manage Communications	Monitor Communications	
Risk		Plan Risk Mgmt     Identify Risks     Perform Qualitative Risk Analysis     Perform Quantitative Risk Analysis     Plan Risk Responses	Implement Risk Responses	Monitor Risks	
Procurement		Plan Procurement Mgmt	Conduct Procurements	Control Procurements	
Stakeholder	Identify	Plan Stakeholder Engagement	Manage Stakeholder	Monitor Stakeholder	

INITIATING	PLANNING	EXECUTING	MONITORING/ CONTROLING	CLOSING
ACTIVITIES  Gather high-level  information and  requirements about  project.	ACTIVITIES Build WBS Create project schedule Identify purchases Get quotes Define scope Identify risks Determine communications	ACTIVITIES Hold Kickoff Meeting Resources execute plan PM manage team / project Make purchases Ensure scope is adhered to Communicate Deliver product	ACTIVITIES Status meetings / reporting Change control activities	ACTIVITIES Transition to support Store documents Collect final invoices Finalize budgeted & actual costs Conduct Lessons Learned Write closeout report
DELIVERABLES  • Project Charter	DELIVERABLES  WBS Project Schedule Budget Scope Document Risk Plan Communication Plan	DELIVERABLES  Work to be completed  Product and documents  Product / service	DELIVERABLES  Status Reports, metrics, information  Change Control documents	DELIVERABLES  Closeout Reports Final budget Support documents

A small project has 8 activities and time in days for each activity is given below:

- a. Draw the network diagram.
- b. Compute Early Start, Late Start times.
- c. Calculate float for each activity.
- d. Determine critical activities and critical path.
- e. Find the project duration

Activity	Time in Days	Immediate Predecessor
A	6	-
В	4	-
С	3	A
D	4	В
E	3	В
F	10	
G	3	E, F
Н	2	C, D