Full Download: https://alibabadownload.com/product/systems-analysis-and-design-10th-edition-shelly-test-bank/

Chapter 1 – Introduction to Systems Analysis and Design

MULTIPLE CHOICE

1.	refers to the combination of hardware, software, and services that people use to manage, communicate, and share information. a. Information systems b. Information technology c. Computer systems d. Computer technology									
	ANS: B	PTS: 1	REF:	4						
2.	a. Enterprise b. System	ols the flow of data	c.	ata security, and manages network operations. Application Legacy						
	ANS: B	PTS: 1	REF:	7						
3.	Examples of comparisystems, and comparia. enterprise applicable network operations.	ny communications cations	s networks. c.	, include order processing systems, payroll operating applications legacy systems						
	ANS: A	PTS: 1	REF:	8						
4.	Over 40 years ago, a would double about a. 2 months b. 12 months ANS: C		c.	ccurately predicted that computer processing power 24 months 48 months						
5.	older systems, which a. enterprise applic b. network operation	h are called cations ng systems (NOS)	c. d.	must consider how a new system will interface with operating applications legacy systems						
6.	called a. electronic data in	nterchange (EDI) development (JAI s modeling notation	D) a (BPMN)	pased modeling tools that use a standard language						
	ANS: C	PTS: 1	REF:	14						
7.	Systems analysts use a. JAD b. Scrum	e a to graphic	c.	nt company operations and information needs. RAD business process model						
	ANS: D	PTS: 1	REF:	13						

8.			competitor c.	mpany's overall functions, processes, organization, rs, constraints, and future direction. index glossary				
	ANS: B	PTS: 1	REF:	13				
9.	Which of the following a. C2C b. B2C	ng is one of the mai	c.	of e-commerce? C2B BBC				
	ANS: B	PTS: 1	REF:	9				
10.	telecommunications a. EDI		c.	TCH				
	b. ACH	DTEC 1		0-0				
	ANS: A	PTS: 1	REF:	10				
11.	 Transaction processing (TP) systems a. provide job-related information to users at all levels of a company b. simulate human reasoning by combining a knowledge base and inference rules that determine how the knowledge is applied c. process data generated by day-to-day business operations d. include e-mail, voice mail, fax, video conferencing, word processing, automated calendars, database management, spreadsheets, and integrated mobile computing systems 							
	ANS: C	PTS: 1	REF:	15				
12.	b. simulate human in determine how the control of the cont	ted information suppore reasoning by combination to the knowledge is apported by day-to-day roice mail, fax, video	ning a knowlied y business of conference	s at all levels of a company wledge base and inference rules that operations cing, word processing, automated and integrated mobile computing systems				
	ANS: A	PTS: 1	REF:	16				
13.		ing keywords or que	estions in n c.	ase called a(n) that allows users to find normal English phrases. knowledge management system inference manager				
	ANS: B	PTS: 1	REF:	16				
14.	b. simulate human a determine how the control of the contr	ted information to us reasoning by combinated the reasoning by combinated the knowledge is apperated by day-to-day roice mail, fax, video	ning a knowlied y business o and Web readsheets,	operations conferencing, word processing, automated desktop publishing, presentation graphics,				

	ANS: D	PIS: 1	REF:	17	
15.	a. develop long-ran	nge plans, calle		anagers ns, which define the company's overall	
	b. provide direction leaders		sources, and per	rformance feedback to supervisors and team	
			nd carry out day	y-to-day functions, coordinating operational	
			ystems to enter	and receive the data they need to perform	
	ANS: A	PTS: 1	REF:	18	
16.	In a typical company a. develop long-ran mission and goal	nge plans, calle		e managers ns, which define the company's overall	
			sources, and per	rformance feedback to supervisors and team	
	c. oversee operatio tasks and people		nd carry out day	y-to-day functions, coordinating operational	
	d. include users whetheir jobs	o rely on TP s	ystems to enter	and receive the data they need to perform	
	ANS: B	PTS: 1	REF:	18	
17.	A, or requirements. a. process model b. data model	ents model, de	c.	business model network model	
	ANS: C	PTS: 1	REF:	19	
18.	` / ——	data that flow			
	a. process modelb. object model			business model network model	
	ANS: A	PTS: 1	REF:	22	
19.	is a systems de process that systems			duces a graphical representation of a concept of	or
	a. Prototyping	•	c.	Scrum	
	b. Rapid applicatio	n development		Modeling	
	ANS: D	PTS: 1	REF:	19	
20.	•	•	•	s system concepts and provides an opportunity final decisions are made.	y to
	a. Scrum			Modeling	
	b. Prototyping	DTC. 1		Rapid application development	
	ANS: B	PTS: 1	REF:	20	
21.	a. Object-oriented				
	b. Agile/Adaptive	anary818	c. d.	Rapid application development	
				· · · · · · · · · · · · · · · · · ·	

	ANS: B	PTS:	1	REF:	21
22.	The method of a. object-oriented a b. adaptive		oing systems is	c.	ited to project management tools and techniques. structured analysis rapid application development
	ANS: C	PTS:	1	REF:	21
23.	The method of a. object-oriented a b. adaptive		oing systems pr	c.	code that is modular and reusable. structured analysis rapid application development
	ANS: A	PTS:	1	REF:	21
24.	The method of community-based va		oing systems st	resses to	eam interaction and reflects a set of
	a. object-oriented ab. agile/adaptive				structured analysis rapid application development
	ANS: B	PTS:	1	REF:	21
25.			•	ent, and c.	oment technique that uses a series of phases, called support an information system. MSF RUP
	ANS: B	PTS:	1	REF:	
26.	Because it focuses o called a(n) tech a. iterative		sses that transfo		a into useful information, structured analysis is inferred
	b. process-centered	i			empowered
	ANS: B	PTS:	1	REF:	22
	Systems Planning Systems Analysis Systems Design Systems Implementation	Syntage Synta	eliminary estigation out stem unaments ourment stem oign outlication		
	Systems Security and Support		ly srational tern		

27.	In the, like that shown in the accordeliverable or end product, flows sequented a. interactive model b. requirements model	entially into t c.	gure, the result of each phase, which is called a the next phase in the SDLC. waterfall model object model
	ANS: C PTS: 1	REF:	23
28.	request to the IT department, called a san information system or a business pr	systems requerocess.	ring figure, the usually begins with a formal est, which describes problems or desired changes in
	a. systems design phaseb. systems planning phase		systems support and security phase systems analysis phase
	ANS: B PTS: 1	REF:	23
29.	In the model of the SDLC shown in th logical model of the new system.	e accompany	ing figure, the purpose of the is to build a
	a. systems analysis phaseb. systems implementation phase		systems design phase systems support and security phase
	ANS: A PTS: 1	REF:	23
30.	physical model that will satisfy all doc a. systems implementation phase	rumented requ c.	
	ANS: D PTS: 1	REF:	24
31.	constructed.		ing figure, during the, the new system is
	a. systems planning phaseb. systems support and security phase		systems design phase systems implementation phase
	ANS: D PTS: 1	REF:	24
32.	enhances, and protects the system.		ing figure, during the, the IT staff maintains,
	a. systems support and security phaseb. systems implementation phase		systems analysis phase systems planning phase
	ANS: A PTS: 1	REF:	24
33.	Whereas structured analysis treats proof the processes that act on the data into ta. the MSF b. the SDLC	things called c.	ata as separate components, combines data and objects. RUP O-O
	ANS: D PTS: 1	REF:	24
34.	In object-oriented analysis, an object is a. property b. class	c.	of a(n), which is a collection of similar objects. message instance
	ANS: B PTS: 1		

35.	In object-oriented de a. methods b. functions	sign, bu	tilt-in processes	c.	can change an object's properties. attributes features
	ANS: A	PTS:	1	REF:	25
36.	Agile methods typica feedback.	ally use	a(n)mode	el, whic	h represents a series of iterations based on user
	a. gradualb. extreme				spiral evaluative
	ANS: C	PTS:	1	REF:	26
37.	The newest developma. structured methob. object-oriented n	ds	-	c.	_, which attempt to develop systems incrementally CASE methods agile/adaptive methods
	ANS: D	PTS:	1	REF:	25
38.		consistii	ng of users, ma	nagers, c.	overall guidance, but the systems themselves are and IT staff members. systems support database administration
	ANS: B	PTS:	1	REF:	27
39.		system	s, networks, tra	ansactio c.	rvices for system software and hardware, including on processing systems, and corporate IT Systems support and security Network administration
	ANS: C	PTS:	1	REF:	28
40.	A(n) investigate information systems. a. application develob. database administration. ANS: D	loper		c.	s, installs, evaluates, and maintains a company's network administrator systems analyst
	ANO. D	115.	1	KLI.	2)
MUL	TIPLE RESPONSE				
1.	An example of a vert a. inventory applica b. medical practice	ation		c.	payroll application database for an auto dealership
	ANS: B, D	PTS:	1	REF:	7
2.	An example of a hora. inventory applicab. application for a	ation		c.	payroll application medical practice application
	ANS: A, C	PTS:	1	REF:	7

3.	a. transactions	c.	events		
	b. employees		results		
	ANS: A, C, D PTS: 1	REF:	13		
4.	Product-oriented firms produced a. retail services b. routers	c.	computers microchips		
	ANS: B, C, D PTS: 1	REF:	10		
5.	Database administration involves a. network administration b. user access		data design backup		
	ANS: B, C, D PTS: 1	REF:	28		
MOD	METER TRITE EAT CE				
	DIFIED TRUE/FALSE				
1.	System software consists of program with the information they require.			ss functions and provid	le users
	ANS: F, Application				
	PTS: 1 REF: 7				
2.	Value-added services such as consul hardware.	-	, and technical sup	pport can be more profi	table than
	ANS: T	PTS:	1 RE	EF: 10	
3.	Joint application development (JAD) is like a comp	pressed version of	the entire development	process.
	ANS: F Rapid application development Rapid application development (RA) RAD RAD (Rapid application development) PTS: 1 REF: 27				
4.	Rapid application development focu	ses on team-ba	sed fact-finding		
	ANS: F Joint application development Joint application development (JAD JAD JAD (joint application development)				
	PTS: 1 REF: 27				

5.	<u>User support</u> pro	ovides users	with ted	chnical informa	information, training, and productiv			ort.	
	ANS: T			PTS:	1	REF:	28		
TRUI	E/FALSE								
1.	Most firms give	their IT bud	gets a le	ow priority in b	ad ec	conomic times.			
	ANS: F	PTS:	1	REF:	4				
2.	A mission-critic	al system is	one tha	t is unimportan	t to a	company's opera	ations.		
	ANS: F	PTS:	1	REF:	6				
3.	In an informatio users.	n system, da	ta is inf	Formation that l	nas be	een transformed i	nto output tha	at is valuable to	
	ANS: F	PTS:	1	REF:	6				
4.	In an informatio	n system, in	formation	on consists of b	asic 1	facts that are the	system's raw	material.	
	ANS: F	PTS:	1	REF:	7				
5.	The success or failure of an information system usually is unrelated to whether users are satisfied with the system's output and operations.								
	ANS: F	PTS:	1	REF:	9				
6.	Although the business-to-business (B2B) sector is more familiar to retail customers, the volume of business-to-consumer (B2C) transactions is many times greater.								
	ANS: F	PTS:	1	REF:	10				
7.	TP systems are inefficient because they process a set of transaction-related commands individually rather than as a group.								
	ANS: F	PTS:	1	REF:	16				
8.	In a knowledge patterns and rela		system	ı, a knowledge	base	consists of logica	l rules that id	entify data	
	ANS: F	PTS:	1	REF:	16				
9.						which consist of ions in normal Er			
	ANS: F	PTS:	1	REF:	16				
10.	Most large comp						ng, business s	upport,	
	ANS: T	PTS:	1	REF:	17				

11.	Because they focus on a longer time frame, middle managers need less detailed information than top managers, but somewhat more than supervisors who oversee day-to-day operations.								
	ANS: F	PTS:	1	REF:	18-19				
12.	•			•	ment, which gives employees more responsibility and increases customer satisfaction.				
	ANS: T	PTS:	1	REF:	19				
13.	•			•	ems development and support a wide variety of s and object-oriented analysis.				
	ANS: T	PTS:	1	REF:	20				
14.	It is unusual for systematic perspective.	em deve	elopers to mix a	nd mate	ch system development methods to gain a better				
	ANS: F	PTS:	1	REF:	22				
15.		costs and	d benefits and r		eliminary investigation is a feasibility study that ends a course of action based on operational,				
	ANS: T	PTS:	1	REF:	23				
16.					irements modeling, where business processes are atisfy users is documented.				
	ANS: T	PTS:	1	REF:	23				
17.	In object-oriented de from its class or poss	-		naracte	ristics called properties, which the object inherits				
	ANS: T	PTS:	1	REF:	24				
18.	A scalable design ca	n expan	d to meet new l	ousines	s requirements and volumes.				
	ANS: T	PTS:	1	REF:	24				
19.	In object-oriented de	esign, a ı	message reques	ts speci	ific behavior or information from another object.				
	ANS: T	PTS:	1	REF:	25				
20.	The structure of the organization.	IT depai	rtment varies ar	nong co	ompanies, as does its name and placement within the				
	ANS: T	PTS:	1	REF:	27				
21.	0 1 1				ludes application development, systems support and work administration, and Web support.				
	ANS: T	PTS:	1	REF:	27				

	ANS:	T	PTS:	1	REF:	: 28
23.						s have a college degree in information systems, teld, and some IT experience usually is required.
	ANS:	T	PTS:	1	REF:	: 37
24.	The re	_	of a syst	ems analyst at	a small	ll firm are exactly the same as those at a large
	ANS:	F	PTS:	1	REF:	: 32
25.		porate culture is fluence its way			es, tradi	ditions, values, and attitudes that define a compan
	ANS:	T	PTS:	1	REF:	: 32
COM	PLETI	ON				
1.				refers to the	combi	pination of hardware, software, and services that
1.				ommunicate, an		
	ANS: Inform IT	nation technolo	gy (IT)			
	PTS:	1	REF:	4		
2.				is a step-by-	-sten nr	process for developing high-quality information
	systen				P	
	ANS:	Systems analy	sis and	design		
				_		
	PTS:	1	REF:	5		
3.		ess requirement		combi	nes info	formation technology, people, and data to suppor
	ANS:	information sy	ystem			
	PTS:	1	REF:	5		
4.	An IT inform	department tea	ım inclı	ides		who plan, develop, and maintain
	ANS:	systems analy	sts			
	PTS:	1	REF:	5		

22. Network administration includes hardware and software maintenance, support, and security.

____ is a set of related components that produces specific results, such 5. A(n)as routing Internet traffic, manufacturing microchips, and controlling complex entities like the Hubbell Telescope. ANS: system REF: 6 PTS: 1 Hardware Software Data Processes People 6. In the accompanying figure showing the components of an information system, consist(s) of everything in the physical layer of the information system. ANS: hardware PTS: 1 REF: 7 7. In the accompanying figure showing the components of an information system, refer(s) to the programs that control the hardware and produce the desired information or results. ANS: software PTS: 1 REF: 7 8. In the accompanying figure showing the components of an information system, is/are the raw material that an information system transforms into useful information. ANS: data PTS: 1 REF: 7 9. In the accompanying figure showing the components of an information system, _describe(s) the tasks and business functions that users, managers, and IT staff members perform to achieve specific results. ANS: processes PTS: 1 REF: 8

10.	In the accompanying figure showing the components of an information system, the people, called, interact with an information system, both inside and outside the
	company.
	ANS: users end users
	PTS: 1 REF: 8
11.	The strongest IT companies in the home shopping market are called because their primary business depends on the Internet rather than a traditional business channel.
	ANS: Internet-dependent firms
	PTS: 1 REF: 10
12.	Traditional companies sometimes are called companies because they conduct business primarily from physical locations.
	ANS: brick-and-mortar
	PTS: 1 REF: 11
13.	Internet-based commerce is called and includes two main sectors: B2C (business-to-consumer) and B2B (business-to-business).
	ANS: e-commerce electronic commerce I-commerce Internet commerce
	PTS: 1 REF: 9
14.	technology uses high-frequency radio waves to track physical objects.
	ANS: RFID Radio frequency identification RFID (Radio frequency identification) Radio frequency identification (RFID)
	PTS: 1 REF: 16
15.	A truck fleet dispatcher might run a series of scenarios to determine the impact of increased shipments or bad weather.
	ANS: what-if
	PTS: 1 REF: 16

	collab	orate on proje	cts, and	work i	n teams.			
	ANS:	Groupware						
	PTS:	1	REF:	17				
17.						cludes an assessment her the system operat		if costs and
		its are within e						
	ANS:	systems eval	uation					
	PTS:	1	REF:	24				
18.		ssing, and stor			_ uses various s	ymbols and shapes to	o represent data	flow,
	ANS: data fl DFD	low diagram						
		low diagram (l (data flow diag						
	PTS:	1	REF:	23				
19.	softwa	are, and link V	Veb-base	des	ign and construications to a cor	ct Web pages, monito	or traffic, manaş systems.	ge hardware and
	ANS:	Web support	speciali	sts				
	PTS:	1	REF:	29				
20.	Many which test.	hardware and verifies that a	software an individ	e comp lual de	oanies offeremonstrated a ce	rtain level of knowle	for IT pr dge and skill or	ofessionals, n a standardized
	ANS:	certification						
	PTS:	1	REF:	31				
MAT	CHINO	G						
	a. M b. m c. m	fy the letter of IIS odeling essage oiral model	the choi	ce that	f. g.	te phrase or definition team leaders operational employe supply chain scalable design		
	_	RP			j.	prototype		

16. _____ programs run on a company intranet and enable users to share data,

1. In many large companies, these kinds of systems provide cost-effective support for users and managers throughout the company.

- 2. The name for new business support systems that produced valuable information, in addition to performing manual tasks; their primary users were managers.
- 3. All companies that provide materials, services, and functions needed to provide a product to a customer
- 4. An approach that proponents believe reduces risks and speeds up software development.
- 5. People who oversee operational employees and carry out day-to-day functions.
- 6. People who rely on TP systems to enter and receive data they need to perform their jobs.
- 7. Produces a graphical representation of a concept or process that systems developers can analyze, test, and modify.
- 8. Requests specific behavior or information from another object.
- 9. Can expand to meet new business requirements and volumes.
- 10. An early working version of an information system.

1.	ANS:	E	PTS:	1	REF:	15
2.	ANS:	A	PTS:	1	REF:	16
3.	ANS:	H	PTS:	1	REF:	10
4.	ANS:	D	PTS:	1	REF:	26
5.	ANS:	F	PTS:	1	REF:	19
6.	ANS:	G	PTS:	1	REF:	19
7.	ANS:	В	PTS:	1	REF:	19
8.	ANS:	C	PTS:	1	REF:	25
9.	ANS:	I	PTS:	1	REF:	24
10.	ANS:	J	PTS:	1	REF:	20

ESSAY

1. Explain a knowledge worker, and why this kind of worker is required by successful companies.

ANS:

Knowledge workers include systems analysts, programmers, accountants, researchers, trainers, human resource specialists, and other professionals. Knowledge workers also use business support systems, knowledge management systems, and user productivity systems. Knowledge workers provide support for the organization's basic functions. Just as a military unit requires logistical support, a successful company needs knowledge workers to carry out its mission.

PTS: 1 REF: 19 TOP: Critical Thinking

2. What are the disadvantages of each of the three system development methods?

ANS:

With structured analysis, changes can be costly, especially in later phases. Requirements are defined early, and can change during development. Users might not be able to describe their needs until they can see examples of features and functions. With object-oriented analysis, this somewhat newer method might be less familiar to development team members. Interaction of objects and classes can be complex in larger systems. With agile/adaptive methods, team members need a high level of technical and communications skills. Lack of structure and documentation can introduce risk factors. Overall project might be subject to scope change as user requirements change.

PTS: 1 REF: 21 TOP: Critical Thinking

3. Discuss two advantages and disadvantages of agile methods.

ANS:

Agile methods can allow developers to be much more flexible and responsive, but can be riskier than more traditional methods. Without a detailed set of system requirements, certain features requested by some users might not be consistent with the company's larger game plan.

Iterations produce feedback and enhancements that enable the team to reach the overall project goal. However, a long series of iterations might actually add to project costs and development time.

PTS: 1 REF: 26 TOP: Critical Thinking

CASE

Critical Thinking Questions Case 1-1

Roark has just joined the company and in his role as lead analyst, he will be responsible for determining which systems development method the team uses to create the new application for a major medical supplier.

- 1. After Roark has spent a week getting to know the members of the team, including their strengths and weaknesses, and what has worked well (and not so well) for this particular team in the past, one theme keeps recurring: the team has particularly weak communications skills. Which of the following methods, then, is he *least* likely to use, given what he knows about the disadvantages of each method?
 - a. structured analysis
 - b. agile/adaptive methods
 - c. object-oriented analysis
 - d. rapid application development

ANS:

В

PTS: 1 REF: 21 TOP: Critical Thinking

- 2. It is a new day at the firm. Roark has been in place for a few weeks, strengthening the communications skills of his employees, getting them to work much better together. Now, the challenge that he faces is not an internal one; it lies with the client, which is increasingly incapable of sticking with decisions. Roark, based on his past experience with other clients like this, is afraid that the client will throw them a curveball and want to make changes late in the game but that they also will be unwilling to absorb the costs of those changes. For this reason, Roark eliminates which of the following methods of development?
 - a. structured analysis
 - b. agile/adaptive methods
 - c. object-oriented analysis
 - d. rapid application development

ANS:

Α

PTS: 1 REF: 21 TOP: Critical Thinking

Critical Thinking Questions

Case 1-2

Systems Analysis and Design 10th Edition Shelly Test Bank

Full Download: https://alibabadownload.com/product/systems-analysis-and-design-10th-edition-shelly-test-bank/

Maddy has been performing at a very high level at the firm, and so when two colleagues of hers who are currently leading other development efforts get sick or leave the company, she is asked to step in and help manage these two other efforts.

- 3. When Maddy sits down at the first meeting at which the first group is gathering, she hears them discussing the feasibility study in which they are currently engaged. She knows, then, in which phase of the SDLC this team currently is. Which phase is it?
 - a. systems analysis
 - b. systems design
 - c. systems planning
 - d. systems implementation

ANS:

C

PTS: 1

REF: 23

TOP: Critical Thinking

- 4. After leaving the first meeting, Maddy goes down the hall to meet with the outgoing manager of the second team. In that meeting, he shares with her the latest draft of the systems requirement document, which is nearly complete. In which phase is the second team currently?
 - a. systems analysis
 - b. systems design
 - c. systems planning
 - d. systems implementation

ANS:

A

PTS: 1 REF: 24 TOP: Critical Thinking