Chapter 01: Aftentroduktprintipleស្នាក់informsystems-11e-stair

TRUE/I	FALSE
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1.	The use of information systems is practical in only a limited number of professions.				
	ANS: F	PTS:	1	REF:	Information Concepts
2.	Information is simplin a week.	y a coll	ection of raw fa	ects suc	h as an employee number or the total hours worked
	ANS: F	PTS:	1	REF:	Information Concepts
3.	Some countries try to through the Internet			at infor	mation is available to their citizens, especially
	ANS: T	PTS:	1	REF:	Information Concepts
4.	Information and data	are ess	entially the san	ne thing	5 .
	ANS: F	PTS:	1	REF:	Information Concepts
5.	Using a computer to example of informat			nd orde	r more inventory before a shortage can occur is an
	ANS: F	PTS:	1	REF:	System Concepts
6.	•				pases, telecommunications, people, and procedures as data into information.
	ANS: T	PTS:	1	REF:	System Concepts
7.	The technology infra computer-based info			ared IS	resources that form the foundation of each
	ANS: T	PTS:	1	REF:	System Concepts
8.	Increasingly, comparservices.	nies are	incorporating of	compute	er-based information systems into their products and
	ANS: T	PTS:	1	REF:	System Concepts
9.	Today's more advance	ced prod	cessor chips hav	ve the p	ower of 1990s-era supercomputers.
	ANS: T	PTS:	1	REF:	System Concepts
10.	Teraflops is a measu	re of co	mputer process	ing spe	ed.
	ANS: T	PTS:	1	REF:	System Concepts
11.	Application software up and printing.	e such a	s Microsoft Win	ndows	controls basic computer operations, including start-

	ANS: F	PTS: 1	REF:	System Concepts				
12.	Software is need largest superco		fall sizes from	cell phones and small hand held devices to the				
	ANS: T	PTS: 1	REF:	System Concepts				
13.		out the documents or ns of thousands of spe		access to these documents are controlled and scalled Web servers.				
	ANS: T	PTS: 1	REF:	System Concepts				
14.	The World Wide Web is a network of links on the Internet to documents containing text, graphics, video, and sound.							
	ANS: T	PTS: 1	REF:	System Concepts				
15.			_	s that allows selected outsiders, such as business rees of a company's extranet.				
	ANS: F	PTS: 1	REF:	System Concepts				
16.	Transaction pro	ocessing systems wer	e developed in	the 1950s.				
	ANS: T	PTS: 1	REF:	Business Information Systems				
17.	C2C stands for	computer-to-comput	er e-commerce					
	ANS: F	PTS: 1	REF:	Business Information Systems				
18.	Mobile comme	Mobile commerce is the use of mobile, wireless devices to place orders and conduct business.						
	ANS: T	PTS: 1	REF:	Business Information Systems				
19.	While technolowork activities		fortunately, e-c	commerce offers few advantages for streamlining				
	ANS: F	PTS: 1	REF:	Business Information Systems				
20.	Electronic business goes beyond e-commerce and e-procurement by using information systems and the Internet to perform all business-related tasks and functions.							
	ANS: T	PTS: 1	REF:	Business Information Systems				
21.		lude a collection of m t help decision maker		rt a decision maker, a collection of facts, and th the DSS.				
	ANS: T	PTS: 1	REF:	Business Information Systems				
22.	An MIS typica system.	lly provides standard	reports genera	ted with data and information from a TPS or ERP				
	ANS: T	PTS: 1	REF:	Business Information Systems				

23.	A decision support system is an organized collection of people, procedures, software, databases, and devices that provides routine information to managers and decision makers.				
	ANS: F	PTS:	1	REF:	Business Information Systems
24.	Some successful stoo profitability of their			traders	s use expert systems to spot trends and improve the
	ANS: F	PTS:	1	REF:	Business Information Systems
25.	Neural networks giv particular field, help				nake suggestions and function like an expert in a of a novice users.
	ANS: F	PTS:	1	REF:	Business Information Systems
26.	The unique value of experts and specialis		systems is tha	t they a	llow organizations to capture and use the wisdom of
	ANS: F	PTS:	1	REF:	Business Information Systems
27.	Augmented reality is artificial, computer-g			reality	that enables a user to become fully immersed in an
	ANS: F	PTS:	1	REF:	Business Information Systems
28.	Outsourcing is the hiproject.	iring of a	an overseas coi	mpany (to perform some or all of a systems development
	ANS: F	PTS:	1	REF:	Systems Development
29.	Systems analysis det	fines the	problems and	opportu	unities of the existing system.
	ANS: T	PTS:	1	REF:	Systems Development
30.					their employer on Facebook or other social uarantees freedom of expression.
	ANS: F REF: Information S	PTS: Systems		siness, a	and Industry
MUL	ГІРЬЕ СНОІСЕ				
1.	is an importar	nt compo	onent of every	informa	ation system that helps organizations to achieve their
	a. Hardwareb. Software				Feedback mechanism Data
	ANS: C	PTS:	1		Information Concepts
2.	The process of defin a. an information s b. intelligence		ionships amon	g data t c. d.	o create useful information requires knowledge intuition
	o. mompone			u.	HIVERVIOLI

	ANS: C	P15: 1	KEF:	Information Concepts
3.	science, engineeri	ng, business, and ot	ther areas.	te knowledge and are usually professionals in
	a. Systems analyb. Knowledge w			Chief Information Officer
	b. Knowledge w	orkers	a.	End user
	ANS: B	PTS: 1	REF:	Information Concepts
4.		sed for a variety of		
	a. flexible			relevant
	b. economical		a.	verifiable
	ANS: A	PTS: 1	REF:	Information Concepts
5.	The value of infor	rmation is directly li	inked to how	it helps decision makers achieve their organization's
	a. profits		c.	cost reduction initiatives
	b. goals		d.	quality improvement measures
	ANS: B	PTS: 1	REF:	Information Concepts
6.	is a measu	are of the extent to	which a syster	m achieves its goals.
	a. Efficiency			Performance rate
	b. Reliability		d.	Effectiveness
	ANS: D	PTS: 1	REF:	System Concepts
7.	In information sys	stems, is used		nges to input or processing activities.
	b. feedback			output processing
	ANS: B	PTS: 1		System Concepts
0				•
8.	a. Information to	computer equipmen	nt used to per	form input, processing, and output activities. Telecommunications
	b. Technology in			Hardware
		PTS: 1		
	ANS: D	P15: 1	KEF:	System Concepts
9.	Keyboards, autom		es, and equip	ment that can read magnetic ink characters are
	a. storage	_	c.	output
	b. processing		d.	input
	ANS: D	PTS: 1	REF:	System Concepts
10.	consists of	computer programs	that govern t	the operation of the computer.
	a. Hardware	1 1 2		Applications
	b. Software			Telecommunications
	ANS: B	PTS: 1	REF:	System Concepts
11.			nent in a build	ling, around the country, or around the world to
	enable electronic	communications		

c. Networks

a. Telecommunications

	b. Telecommuting	d.	Databases
	ANS: C PTS: 1	REF:	System Concepts
12.	An is a network based on partners and customers, to access a. Internet b. blog	ss authorized resour c.	that allows only selected outsiders, such as business rees of a company's intranet. Web 2.0 extranet
	ANS: D PTS: 1	REF:	System Concepts
13.	is (are) considered to be to a. Hardware b. Software	c.	element in a computer-based information system. Procedures People
	ANS: D PTS: 1	REF:	System Concepts
14.	A common type of information a. electronic and mobile commb. transaction processing	nerce c.	ness organizations are those designed for decision support all of the above
	ANS: D PTS: 1	REF:	Business Information Systems
15.	involves using information a. e-commerce b. e-business	c.	Internet to acquire parts and supplies. mobile commerce e-procurement
	ANS: D PTS: 1	REF:	Business Information Systems
16.	The earliest type of business inf a. transaction processing syste b. enterprise resource planning	em c.	decision support system e-commerce system
	ANS: A PTS: 1	REF:	Business Information Systems
17.	An organized collection of peop record business transactions.	ole, procedures, soft	ware, databases, and devices used to perform and
	a. decision support systemb. management information sy		business intelligence system transaction processing system
	ANS: D PTS: 1	REF:	Business Information Systems
18.	A set of integrated programs that organization. a. transaction processing syste	-	siness operations for an entire multisite, global enterprise resource planning system
	b. e-commerce system	d.	decision support system
	ANS: C PTS: 1	REF:	Business Information Systems
19.	support problem-specific decisiona. TPS	on making.	ocedures, software, databases, and devices that DSS
	b. MIS		Virtual reality system
	ANS: C PTS: 1	REF:	Business Information Systems

20.	create, store, share, a a. artificial intellig	and use the o	organization's know c.	rocedures, software, databases, and devices to wledge and experience. virtual reality
	b. expert system		d.	knowledge management system
	ANS: D	PTS: 1	REF:	Business Information Systems
21.	is a branch of trends.	artificial int	telligence that allo	ws computers to recognize and act on patterns or
	a. Vision systemsb. Neural networks	;		Robotic systems Natural language processing
	ANS: B	PTS: 1	REF:	Business Information Systems
22.	Hiring an outside co a. virtual reality b. offshoring	mpany to pe	c.	of a systems development project is called systems investigation outsourcing
	ANS: D	PTS: 1	REF:	Business Information Systems
23.	The goal of thebe solved or opportu			ent is to gain a clear understanding of the problem to
	a. systems analysisb. systems investig			systems design systems implementation
	ANS: B	PTS: 1	REF:	Systems Development
24.	systems.	•	-	es the problems and opportunities of the existing
	a. systems investigb. analysis	ation		design maintenance
	ANS: B	PTS: 1	REF:	Systems Development
25.				forld is Flat, we have progressed from the ultinational corporations to the globalization of
	a. information systb. technology	ems	c. d.	products and services individuals
	ANS: D	PTS: 1	REF:	Global Challenges in Information Systems
COM	PLETION			
1.	is the awarence made useful to support			of information and the ways the information can be ecision.
	ANS: Knowledge			
	PTS: 1	REF: Inf	ormation Concepts	S
2.	In information system	ms, the activ	vity of gathering ar	nd capturing raw data is called
	ANS: input			

	PTS: 1 REF: Information Concepts
3.	Predicting future events to avoid problems is called
	ANS: forecasting
	PTS: 1 REF: System Concepts
4.	is information from the system that is used to make changes to input or processing activities.
	ANS: Feedback
	PTS: 1 REF: System Concepts
5.	Computerized are being placed in vehicles to record vehicle speed, possible engine problems, driver performance, and more.
	ANS: event data recorders
	PTS: 1 REF: System Concepts
6.	Although most software can be installed from CDs, many of today's software packages can be downloaded through the
	ANS: Internet
	PTS: 1 REF: System Concepts
7.	An approach to work called that enables people to work from home or while traveling.
	ANS: telecommuting
	PTS: 1 REF: System Concepts
8.	The is the world's largest computer network consisting of thousands of interconnected networks, all freely exchanging information.
	ANS: Internet
	PTS: 1 REF: System Concepts
9.	allows people to get the information they need from the Internet instead of from desktop or corporate computers.
	ANS: Cloud computing
	PTS: 1 REF: System Concepts
10.	The is a network of links on the Internet to documents containing text, graphics, video, and sound.
	ANS: World Wide Web or Web

	PTS: 1 REF: System Concepts
11.	The technology used to create the Internet is also being applied within companies and organizations to create, which allow people in an organization to exchange information and work on projects.
	ANS: intranets
	PTS: 1 REF: System Concepts
12.	include the strategies, policies, methods, and rules for using the CBIS.
	ANS: Procedures
	PTS: 1 REF: System Concepts
13.	involves any business transactions executed electronically between companies.
	ANS: E-commerce
	PTS: 1 REF: Business Information Systems
14.	The use of mobile, wireless devices to place orders and conduct business is called
	ANS: mobile commerce, m-commerce
	PTS: 1 REF: Business Information Systems
15.	An organized collection of people, procedures, software, databases, and devices used to record completed business transactions is called a(n)
	ANS: transaction processing system
	PTS: 1 REF: Business Information Systems
16.	A(n) is a set of integrated programs that manages the vital business operations for an entire multisite, global organization.
	ANS: Enterprise resource planning system
	PTS: 1 REF: Business Information Systems
17.	A(n) is an organized collection of people, processes, software, databases, and devices that provides routine information to managers and decision makers.
	ANS: management information system
	PTS: 1 REF: Business Information Systems
18.	A system to create, store, share, and use the organization's knowledge and experience is called a(n)
	ANS: knowledge management system
	PTS: 1 REF: Business Information Systems

19.	is a branch of artificial intelligence that allows computers to recognize and act on						
	patterns or trends.						
	ANS: Neural network						
	PTS: 1 REF: Business Information Systems						
20.	The collection of rules, procedures, and relationships that must be followed by an expert system to achieve the proper outcome is contained in the expert system's						
	ANS: knowledge base						
	PTS: 1 REF: Business Information Systems						
21.	, a newer form of virtual reality, has the potential to superimpose digital data over real photos or images.						
	ANS: Augmented reality						
	PTS: 1 REF: Business Information Systems						
22.	is the activity of creating or modifying information systems.						
	ANS: Systems development						
	PTS: 1 REF: Systems Development						
23.	During the phase of the systems development process the project team determines how the new system should be developed to meet the business needs defined during systems analysis.						
	ANS: design						
	PTS: 1 REF: Systems Development						
24.	The phase of systems development includes purchasing software, hardware, database and other IS components.						
	ANS: systems implementation						
	PTS: 1 REF: Systems Development						
25.	is the knowledge of how data and information are used by individuals, groups, and organizations.						
	ANS: Information systems literacy						
	PTS: 1 REF: Information Systems in Society, Business, and Industry						

ESSAY

1. Briefly distinguish between data, information, and knowledge.

ANS:

Data consists of raw facts, such as employee number or total hours worked in a week. Information is a collection of facts organized and processed so that they have additional value beyond the value of individual facts. Turning data into information is a process, a set of logically related tasks performed to achieve a defined outcome. The process of defining relationships among data to create useful information requires knowledge. Knowledge is the awareness and understanding of a set of information and the ways that information can be made useful to support a specific task or reach a decision.

PTS: 1 REF: Information Concepts

2. Define the term information system and briefly identify its fundamental components.

ANS:

An information system is a set of interrelated elements or components that collect, manipulate, store, and disseminate data and provide for a corrective reaction to meet an objective. The fundamental components include input, processing, output, and feedback. Input is the activity of gathering and capturing raw data. Processing involves converting data into useful output. It can be done manually or by using a computer. Output involves producing useful information, often in the form of documents and reports. Feedback is information from the system that is used to make changes to input or processing activities.

PTS: 1 REF: Systems Concepts

3. Distinguish between the Internet and the Web.

ANS:

The Internet is the world's largest network consisting of thousands of interconnected networks, all freely exchanging information. People use the Internet to research information, buy and sell products and services, make travel arrangements, conduct banking, download music and videos, read books, and listen to radio programs, among other activities. The Web is one of many services available over the Internet. It is a network of links on the Internet to documents containing text, graphics, video, and sound. Information about the documents and access to them are controlled and provided by tens of thousands of special computers called Web servers.

PTS: 1 REF: System Concepts

4. Distinguish between an MIS and DSS.

ANS:

An MIS provides routine information to managers and decision makers. The first MIS systems were developed in the 1960s and provide standard reports generated with data and information from a TPS or ERP system. DSS systems were first developed in the 1980s and used to support problem-specific decision making. The DSS employs a collection of models to support the decision maker, a collection of facts, and systems and procedures that help users interact with it.

PTS: 1 REF: Business Information Systems

5. Identify and briefly discuss the three eras of globalization according to Thomas Friedman.

ANS:

We have progressed from the globalization of multinational countries (Globalization 1.0) to the globalizations of corporations (Globalization 2.0) and individuals (Globalization 3.0). Today, people in remote areas can use the Internet to compete with and contribute to other people, the largest corporations, and entire countries. These workers are empowered by high-speed Internet access, making the world flatter. In the Globalization 3.0 era, designing a new airplane or computer can be separated into smaller subtasks and then completed by a person or small group that can do the best job. These workers can be located in India, China, Russia, and other areas of the world. The subtasks can then be combined or reassembled into the complete design. This approach can be used to prepare tax returns, diagnose a patient's medical condition, fix a broken computer, and many other tasks.

PTS: 1 REF: Global Challenges in Information Systems