Principles of Information Systems Canadian 1st Edition Stair Test Bank

Full Download: https://alibabadownload.com/product/principles-of-information-systems-canadian-1st-edition-stair-test-bank/

Chapter 1: Introduction to Information Systems

MULTIPLE CHOICE

1.	Which of the followingorganizations to impart a. hardwareb. softwarec. a feedback mechd. data	rove cus			t of every inform	mation system that helps
	ANS: C	PTS:	1	REF:	p. 5	MSC: Remember
2.	The value of informa following? a. their organizatio b. their organizatio c. their organizatio d. their organizatio	n's prof n's goal n's cost	its s reduction initia	atives	-	n makers achieve which of the
	ANS: B	PTS:	1	REF:	p. 8	MSC: Remember
3.						n performance within his department. in place. What measure is he
	ANS: B	PTS:	1	REF:	p. 9	MSC: Higher Order
4.	Vivek is assessing th he interested in? a. efficiency b. effectiveness c. productivity d. net worth	e lowes	t cost to build 2	20 comj	puters with the	shortest time frame. What measure is
	ANS: A	PTS:	1	REF:	p. 9	MSC: Higher Order
5.	In information system a. forecasting b. feedback c. output d. conversion	ns, wha	t is used to mał	ke chan	ges to input or	processing activities?
	ANS: B	PTS:	1	REF:	p. 11	MSC: Remember

Copyright © 2012 by Nelson Education Ltd.

6.	What is the term used large blocks of stocksa. feedbackb. analyticsc. forecastingd. program trading				ock indexes an	d marke	ets, including purchasing
	ANS: D	PTS:	1	REF:	p. 12	MSC:	Remember
7.	What consists of coma. information technology infrasb. technology infrasc. telecommunicationd. hardware	nology structure		to perfo	orm input, proc	essing,	and output activities?
	ANS: D	PTS:	1	REF:	p. 12	MSC:	Remember
8.	What type of hardwa magnetic ink characte a. storage hardware b. processing hardware c. output hardware d. input hardware	ers?	eyboards, autoi	matic so	canning devices	s, and e	quipment that can read
	ANS: D	PTS:	1	REF:	p. 13	MSC:	Remember
9.	What consists of coma. hardwareb. softwarec. applicationsd. telecommunication		rograms that go	overn th	ne operation of	the con	nputer?
	ANS: B	PTS:	1	REF:	p. 13	MSC:	Remember
10.	Which of the following tasks, such as word performing a. systems softwareb. Windows 7c. Microsoft Officed. Windows Vista	rocessir		-		allows	you to accomplish specific
	ANS: C	PTS:	1	REF:	p. 13	MSC:	Remember
11.	around the world to ea. telecommunicationb. telecommutingc. a networkd. a database	enable e on	lectronic comm	nunicati	ons?	-	around the country, or
	ANS: C	PTS:	1	REF:	p. 13	MSC:	Remember

12.	How long can a Twia. 100 charactersb. 120 charactersc. 140 charactersd. 180 characters	tter twee	et be?			
	ANS: C	PTS:	1	REF:	p. 13	MSC: Remember
13.	What is considered ta. hardwareb. softwarec. proceduresd. people	o be the	most importan	t eleme	ent in a compute	er-based information system?
	ANS: D	PTS:	1	REF:	p. 13	MSC: Remember
14.		•			•	hat allows only selected outsiders, ources of a company's intranet?
	ANS: D	PTS:	1	REF:	p. 14	MSC: Remember
15.	What involves usinga. e-commerceb. e-businessc. mobile commerced. e-procurement		ation systems a	nd the l	Internet to acqu	ire parts and supplies?
	ANS: D	PTS:	1	REF:	p. 16	MSC: Remember
16.	What system, developa. the transaction pb. the enterprise resc. the decision supd. the e-commerce	rocessin source p port syst	g system lanning system		iest type of bus	iness information system?
	ANS: A	PTS:	1	REF:	p. 16	MSC: Remember
17.	What is the term for that support problema. a TPSb. an MISc. a DSSd. a virtual reality set	i-specifi			ople, procedure:	s, software, databases, and devices
	ANS: C	PTS:	1	REF:	p. 17	MSC: Remember

18.	What involves computers undera. virtual realityb. artificial intelligencec. natural language processingd. learning systems		g on verbal or wr	itten commands?
	ANS: C PTS: 1	REF:	p. 17	MSC: Remember
19.		financial and manut		e that would manage all aspects of s, as coordinated systems. What
	ANS: B PTS: 1	REF:	p. 17	MSC: Higher Order
20.	 What branch of artificial intellig a. vision systems b. neural networks c. robotic systems d. natural language processing 		uters to recogniz	e and act on patterns or trends?
	ANS: B PTS: 1	REF:	p. 18	MSC: Remember
21.	Which of the following activitiea. human resourcesb. information technologyc. marketing and salesd. infrastructure service	es is part of the valu	e chain of an org	ganization?
	ANS: C PTS: 1	REF:	p. 19	MSC: Remember
22.	Gillian has been asked to plan a organization can determine the activity?a. customer relationship manab. inventory managementc. demand planningd. supply chain management	demands of the clie		ved in ensuring that the of the following terms refers to this

The first of the f	ANS: D	PTS: 1	REF: p. 19	MSC: Higher Order
--	--------	--------	------------	-------------------

23.	 What do customer relationship management programs help companies manage? a. loyalty programs b. finished product inventory c. product design d. service life cycle 						
	ANS: A	PTS: 1	REF: p. 20	MSC: Remember			
24.	handled in the organ	ization. She is recor processes to align th is doing? earning	nmending new rules	e some of the ways procurement is of procurement as well as enhancing in the industry. What is the term used to	D		
	ANS: C	PTS: 1	REF: p. 27	MSC: Higher Order			
25.	What does user satis depend on?a. cost of the systemb. quality of the systemc. whether it was ofd. the hardware that	m stem putsourced or not	uter system and the i	nformation the system generates often			
	ANS: B	PTS: 1	REF: p. 28	MSC: Remember			
26.	Which of the followinga. technology deveb. technology acceptc. technology diffundd. technology adopt	elopment ptance ision	now widely technolog	gy is spread throughout an organization?	?		
	ANS: C	PTS: 1	REF: p. 29	MSC: Remember			
27.	What is best describea. technology depleb. technology devec. technology adopd. technology infus	oyment Plopment otion	hich technology perr	neates an area or department?			
	ANS: D	PTS: 1	REF: p. 29	MSC: Remember			
28.	User training is a key appropriate training a. Web administrat b. support c. database adminis d. systems develop	is available? tion stration	from any informatio	on system. What department ensures that	t		
	ANS: B	PTS: 1	REF: p. 30	MSC: Remember			

29. What activity involves reducing the number of employees to cut costs? a. outsourcing b. off shoring c. on-demand computing d. downsizing ANS: D PTS: 1 REF: p. 31 MSC: Remember 30. Company XA is looking at adding more services to its portfolio and is considering renting the necessary infrastructure needs from external agents. What term refers to this concept? a. outsourcing b. contracting c. on-demand computing d. customized technology REF: p. 31 ANS: D PTS: 1 MSC: Higher Order 31. Which of the following is one of five forces identified in Michael Porter's competitive forces model? a. the threat of merging of competitors b. the threat of globalization c. the threat of substitute products and services d. the threat of new information systems ANS: C PTS: 1 REF: p. 33 MSC: Remember 32. Which of the following characteristics can be attributed to highly competitive industries? a. They have low fixed costs for entering or leaving the industry. b. There are high degrees of product differentiation. c. They have high turnover rates. d. They exist in greater number and they seek the same objectives. ANS: D PTS: 1 REF: p. 33 MSC: Higher Order 33. Why is competition so fierce in the restaurant industry? a. entry costs are low b. buyers have much bargaining power c. suppliers have much bargaining power d. there is less regulation REF: p. 33 MSC: Remember ANS: A PTS: 1 34. What type of competitive advantage strategy, which focuses on becoming more efficient and reducing costs, has Walmart and other retailers followed for years? a. differentiation strategy b. creating new products and services strategy c. niche strategy d. cost leadership strategy ANS: D PTS: 1 REF: p. 34 MSC: Remember

35.	 5. What type of competitive advantage strategy involves frequent innovation? a. differentiation strategy b. creating new products and services strategy c. niche strategy d. cost leadership strategy 						
	ANS: B	PTS: 1	REF:	p. 34-36	MSC: Rem	ember	
36.	Porsche, which produgain competitive adva. differentiation strategy b. niche strategy c. cost leadership st d. altering the indust	antage? rategy rategy		ports cars and S	SUVs, uses wl	hat type of strategy to	
	ANS: B	PTS: 1	REF:	p. 35	MSC: Rem	ember	
37.	 37. What did organizations focus on when they first began using information systems? a. reducing costs and improving productivity b. gaining competitive advantage and using the most current technology c. reducing costs and gaining competitive advantage d. using the most current technology and improving productivity 						
	ANS: A	PTS: 1	REF:	p. 36	MSC: Rem	ember	

- 38. Which of the following is a measure of performance used to evaluate the contribution of information systems to a business?
 - a. return on investment
 - b. balance sheet
 - c. income statement
 - d. earnings per share

ANS: A PTS: 1 REF: p. 38 MSC: Higher Order

- 39. What measure is used by a company to assess the yield of its profits and benefits based on past performance?
 - a. net present value
 - b. return on investment
 - c. earnings growth
 - d. market share

ANS: B PTS: 1 REF: p. 38 MSC: Higher Order

- 40. Which of the following costs are included in the total cost of ownership?
 - a. hiring costs
 - b. technical support costs
 - c. maintenance costs
 - d. hardware and software costs

ANS: B PTS: 1 REF: p. 38 MSC: Remen

- 41. Company ABC is evaluating a new information system that was implemented five years ago for its human resources division. The company has a good record of all the expenses associated with that system. What measure can be used in this case to assess the value of the information system?
 - a. return on investment
 - b. net present value
 - c. earnings growth
 - d. total cost of ownership

ANS: D PTS: 1 REF: p. 38 MSC: Higher Order

- 42. Jennifer is a business system analyst with Company X and she was given the responsibility to engage into a set of activities to create a new system. Jennifer has completed several tasks already and she is now ready to propose a solution to her manager. Which stage is she in?
 - a. systems investigation
 - b. systems analysis
 - c. systems design
 - d. systems construction

ANS: C PTS: 1 REF: p. 38 MSC: Higher Order

- 43. The Green Mile project has just successfully completed its penetration test and the business lead was pleased with the result. Which is the next stage for the project?
 - a. systems design
 - b. systems construction
 - c. systems implementation
 - d. systems maintenance and review

ANS: C PTS: 1 REF: p. 38 MSC: Higher Order

- 44. What is it called when an organization hires an outside company to perform some or all of a systems development project?
 - a. global import
 - b. off shoring
 - c. systems investigation
 - d. outsourcing

ANS: D PTS: 1 REF: p. 39 MSC: Remember

- 45. Which phase of systems development aims to gain a clear understanding of the problem to be solved or the opportunity to be addressed?
 - a. systems analysis
 - b. systems investigation
 - c. systems design
 - d. systems implementation

ANS: B PTS: 1 REF: p. 39 MSC: 1	Remember
---------------------------------	----------

- 46. The ability of an organization to achieve its goals is often a function of which of the following?
 - a. the organization's finances
 - b. the organization's culture
 - c. the organization's ability to adapt
 - d. the organization's corporate responsibility

ANS: B PTS: 1 REF: p. 40 MSC: Remember

TRUE/FALSE

- 1. Computers are required to organize or process data.
 - ANS: F PTS: 1 REF: p. 4
- 2. Information and data are essentially the same.
 - ANS: F PTS: 1 REF: p.6
- 3. Using a computer to forecast future sales and order more inventory before a shortage can occur is an example of information system feedback.

ANS: T PTS: 1 REF: p. 11

4. A CBIS is a single set of hardware, software, databases, telecommunications, people, and procedures configured to collect, manipulate, store, and process data into information.

ANS: T PTS: 1 REF: p. 12

5. The technology infrastructure is a set of shared IS resources that form the foundation of each computer-based information system.

ANS: T PTS: 1 REF: p. 12

6. Today's more advanced processor chips have the power of 1990s-era supercomputers.

ANS: T PTS: 1 REF: p. 13

- 7. Applications software, such as Windows Vista and Windows Seven, control basic computer operations, such as start-up and printing.
 - ANS: F PTS: 1 REF: p. 13
- 8. Private cloud computing applications are available to everyone.
 - ANS: F PTS: 1 REF: p. 13
- 9. Information about the documents on the Web and access to these documents are controlled and provided by tens of thousands of special computers called Web servers.

10.). Transaction processing systems were developed in the 1950s.						
	ANS: T	PTS:	1	REF:	p. 16		
11.	C2C stands for compu	iter-to-	computer e-cor	nmerce	ð.		
	ANS: F	PTS:	1	REF:	p. 16		
12.	DSS systems were first	st devel	loped over 30 y	years ag	go.		
	ANS: T	PTS:	1	REF:	p. 16		
13.	Mobile commerce is t	he use	of mobile, wire	eless de	vices to place orders and conduct business.		
	ANS: T	PTS:	1	REF:	p. 16		
14.	While technologically work activities.	v advano	ced, e-commer	ce unfo	ortunately offers few advantages for streamlining		
	ANS: F	PTS:	1	REF:	p. 16		
15.	Electronic business go Internet to perform all				e-procurement by using information systems and the unctions.		
	ANS: T	PTS:	1	REF:	p. 16		
16.	Computers have been	used to	perform com	non bu	siness applications since the 1950s.		
	ANS: T	PTS:	1	REF:	p. 16		
17.	A virtual reality system	m is an	example of on	e of the	e most common types of information systems.		
	ANS: F	PTS:	1	REF:	p. 17		
18.	Companies soon learn better decisions.	ned that	they could use	e the da	ta stored in transaction processing systems to make		
	ANS: T	PTS:	1	REF:	p. 17		
19.			•		on of people, procedures, software, databases, and gers and decision makers.		
	ANS: F	PTS:	1	REF:	p. 17		
20.	A MIS typically provi system.	ides sta	ndard reports g	generate	ed with data and information from a TPS or ERP		
	ANS: T	PTS:	1	REF:	p. 17		
21.	MIS reports may be g	enerate	d daily, weekly	y, mont	hly, or yearly.		
	ANS: T	PTS:	1	REF:	p. 17		

- 22. A DSS can include a collection of models to support a decision maker, a collection of facts, and procedures that help decision makers interact with the DSS.
 - ANS: T PTS: 1 REF: p. 17
- 23. DSS became more widely used in the 1980s as a result of dramatic improvements in technology.

ANS: T PTS: 1 REF: p. 17

24. With an AI system, the computer takes on the characteristics of human intelligence.

ANS: T PTS: 1 REF: p. 17

25. Directional sound, tactile and force feedback devices, voice recognition, and other technologies are used to enrich the virtual reality experience.

ANS: T PTS: 1 REF: p. 17

26. Neural networks give the computer the ability to make suggestions and function like an expert in a particular field, helping enhance the performance of a novice user.

ANS: F PTS: 1 REF: p. 18

27. The unique value of neural networks is that they allow organizations to capture and use the wisdom of experts and specialists.

ANS: F PTS: 1 REF: p. 18

28. Depending on the customer, value might mean lower prices, better service, higher quality, or uniqueness of the product.

ANS: T PTS: 1 REF: p. 19

29. Customer relationship management software often uses a variety of information sources.

ANS: T PTS: 1 REF: p. 20

30. The IS support organization is a multi-faceted group, providing user assistance in hardware and software acquisition and use, data administration, user training and assistance, and software development.

ANS: F PTS: 1 REF: p. 23

31. Most IS careers involve working in a project team.

ANS: T PTS: 1 REF: p. 24

32. Organizational culture consists of the major understandings and assumptions of a business or other organization.

33. In some cases, top-level managers can form organization culture rapidly.

ANS: T PTS: 1 REF: p. 26

34. Sustaining change almost always harms an organization while disruptive change almost always helps an organization.

ANS: F PTS: 1 REF: p. 26

35. Disruptive change often results in new, successful companies and offers consumers the potential of new products and services at reduced costs with superior performance.

ANS: T PTS: 1 REF: p. 26

36. The degree to which an organization supports the use of an information system is not an important factor that can lead to better attitudes about it.

ANS: F PTS: 1 REF: p. 26

37. Studies have shown that user satisfaction and technology acceptance are not particularly significant in healthcare, as professionals in this industry are quick to learn and accept new technology.

ANS: F PTS: 1 REF: p. 28

38. An organization can have a high level of infusion in one part of its operations and a low level of diffusion overall.

ANS: T PTS: 1 REF: p. 29

39. If an organization has a high level of both diffusion and infusion, with computers throughout the organization, information systems are being used to their full potential.

ANS: F PTS: 1 REF: p. 29

40. Reengineering and continuous improvement mean the same thing.

ANS: F PTS: 1 REF: p. 29

41. One organization can spend less than another on information systems, but still get better value.

ANS: T PTS: 1 REF: p. 31

42. According to Porter's five-forces model, the more these forces combine in any instance, the less likely it is that firms will seek competitive advantage and the less obvious the results of such an advantage will be.

ANS: F PTS: 1 REF: p. 33

43. When the threat of new market entrants is high, the desire to seek and maintain competitive advantage to dissuade new entrants is also usually high.

44. Many companies in the computer industry introduce new products and services frequently in an attempt to gain a cost leadership position.

ANS: F PTS: 1 REF: p. 34

45. Today, companies are shifting from strategic management to performance-based management of their information systems and carefully consider both strategic advantage and costs.

ANS: T PTS: 1 REF: p. 36

46. By adding a significant amount of value to their products and services, organizations ensure that they will exceed budgets and generate income losses.

ANS: F PTS: 1 REF: p. 38

47. Improved productivity can result in faster customer response, lower costs, and increased customer satisfaction.

ANS: T PTS: 1 REF: p. 38

48. ROI calculations can be complex, including investment returns over multiple years and the impact of the time value of money.

ANS: T PTS: 1 REF: p. 38

49. Information systems can help bring new products and services in less time, thus reducing time to market.

ANS: T PTS: 1 REF: p. 38

50. Because of the difficulty in determining all the costs, total cost of ownership is seldom used to plan for and maximize the value of IS investments.

ANS: F PTS: 1 REF: p. 38

51. Systems analysis defines the problems and opportunities associated with the existing system.

ANS: T PTS: 1 REF: p. 39

52. The systems development component focuses solely on the development of new information systems and seldom becomes involved in the maintenance and review of information systems.

ANS: F PTS: 1 REF: p. 39

53. The primary goal of a for-profit organization is to maximize shareholder value.

- 54. An organization is a system, which means that it has inputs, processing, outputs, and feedback.
 - ANS: T PTS: 1 REF: p. 41

55. Opportunities in information systems are available to people from foreign countries, including Russia and India.

ANS: T PTS: 1 REF: p. 46

COMPLETION

1. A(n) ______ is a formal collection of people and other resources established to accomplish a set of goals.

ANS: organization

PTS: 1 REF: p. 3

2. A(n) ______ administrator focuses on the planning, policies, and procedures regarding the use of corporate data and information.

ANS: database

PTS: 1 REF: p. 4

3. _____ data is a form of data that is represented by numbers, letters, and other characters.

ANS: Alphanumeric

PTS: 1 REF: p. 6

4. ______ is the awareness and understanding of a set of information and the ways the information can be made useful to support a specific task or reach a decision.

ANS: Knowledge

PTS: 1 REF: p. 6

5. 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

- 6. ______ workers are people who create, use, and disseminate knowledge.
 - ANS: Knowledge
 - PTS: 1 REF: p. 7

7.		rces such as m he environmer		people, and money serve as	to the organization
	ANS:	inputs			
	PTS:	1	REF:	p. 9	
8.	In info output		ms,	means converting or transforming	ng data into useful
	ANS:	processing			
	PTS:	1	REF:	p. 11	
9.		ormation system		activity of gathering and capturing raw data is called	
	ANS:	input			
	PTS:	1	REF:	p. 11	
10.	Predic	ting future eve	ents to a	void problems is called	
	ANS:	forecasting			
	PTS:	1	REF:	p. 12	
11.				refers to hardware, software, databases, and teleco	mmunications.
	ANS:	Information t	echnolo	ву	
	PTS:	1	REF:	p. 12	
12.	CBIS	stands for			
	ANS:	computer-bas	ed infor	mation system	
	PTS:	1	REF:	p. 12	
13.	A(n) _ of two	or more relate	ed files.	is an organized collection of facts and information,	typically consisting
	ANS:	database			
	PTS:	1	REF:	p. 13	
14.	The	onnected netwo	orks, all	_ is the world's largest computer network, consisting freely exchanging information.	of thousands of
	ANS:	Internet			
	PTS:	1	REF:	p. 13	

- 15. ______ allows people to get the information they need from the Internet instead of from desktop or corporate computers.
 - ANS: Cloud computing
 - PTS: 1 REF: p. 13
- 16. ______ include the strategies, policies, methods, and rules for using the CBIS.
 - ANS: Procedures
 - PTS: 1 REF: p. 13
- 17. Although most software can be installed from CDs, many of today's software packages can be downloaded from the ______.
 - ANS: Internet

PTS: 1 REF: p. 14

18. 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: p. 14

19. 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: p. 14

20. ______ involves any business transactions executed electronically between companies.

ANS: E-commerce

PTS: 1 REF: p. 16

- 21. An organized collection of people, procedures, software, databases, and devices used to record completed business transactions is called a(n) ______.
 - ANS: transaction processing system

- 22. A(n) ______ is a set of integrated programs that manages the vital business operations for an entire multi-site, global organization.
 - ANS: enterprise resource planning system
 - PTS: 1 REF: p. 16
- 23. Customers, suppliers, managers, shareholders, and employees are all examples of ______ of the organization.
 - ANS: stakeholders
 - PTS: 1 REF: p. 16
- 24. The focus of a DSS is on making effective ______ and helping a manager do the right thing.

ANS: decisions

PTS: 1 REF: p. 17

25. 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: p. 17

26. The IS organization has three primary responsibilities including operations, systems development, and

ANS: support

PTS: 1 REF: p. 18

27. ______ is an area of artificial intelligence in which machines take over complex, dangerous, routine, or boring tasks.

ANS: Robotics

PTS: 1 REF: p. 18

28. Combining a value chain with ______ inventory means companies can deliver materials or parts when they are needed.

ANS: just-in-time

29. Two key elements of managing the value chain include managing the supply chain and

ANS: customer relationships PTS: 1 REF: p. 19 _____ _____, a German software company, is one of the leading suppliers of ERP 30. software. ANS: SAP PTS: 1 REF: p. 21 ______ is a set of major understandings and assumptions shared by a group, such as 31. ____ within an ethic group or country. ANS: Culture PTS: 1 REF: p. 25 32. Organizational ______ deals with how organizations plan for, implement, and handle change. ANS: change PTS: 1 REF: p. 26 33. The ______ model specifies the factors that can lead to better understanding of the information system, along with higher acceptance and usage of the system in an organization. ANS: technology acceptance PTS: 1 REF: p. 28 34. The design department of an architectural firm that uses computers in all aspects of its design work would be said to have a high level of _____. ANS: infusion REF: p. 29 PTS: 1 35. How appropriate and useful the information system is to the tasks or activities being performed is called the ______ and can lead to greater performance and profitability. ANS: Task-Technology Fit PTS: 1 REF: p. 30 36. A(n) ______ is a significant and (ideally) long-term benefit to a company over its competition. ANS: competitive advantage REF: p. 31 PTS: 1

37. Porter's _____ model is a widely accepted model that identifies the key factors that can lead to attainment of competitive advantage.

ANS: five-forces

PTS: 1 REF: p. 33

ANS: advantage

PTS: 1 REF: p. 33

39. To be competitive, an organization must also ______ its IS strategy with general business strategies and objectives.

ANS: align

PTS: 1 REF: p. 33

40. The _______ strategy for competitive advantage involves producing a variety of products, giving customers more choices, or delivering higher quality products and services.

ANS: differentiation

PTS: 1 REF: p. 34

- 41. A(n) ______, also called a strategic partnership, is an agreement between two or more companies that involves the joint production and distribution of goods and services.
 - ANS: strategic alliance

PTS: 1 REF: p. 35

42. _____ = (output / input) x 100%

ANS: Productivity

- PTS: 1 REF: p. 37
- 43. ______ is the sum of all costs over the life of the information system.

ANS: Total cost of ownership

44. 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: systems design

PTS: 1 REF: p. 39

ESSAY

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

ANS:

Data consists of raw facts, such as employee numbers 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: p. 6-7

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: p. 10-11

3. What is meant by an organization's technology infrastructure and what are its components?

ANS:

An organization's technology infrastructure is a set of shared IS resources that form the foundation of each of its computer-based information systems. It includes all the hardware, software, databases, telecommunications, people, and procedures that are configured to collect, manipulate, store, and process data into information.

4. 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: p. 14

5. 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: p. 16

6. Define the term value chain and briefly discuss the purpose of the supply chain component.

ANS:

The value chain is a series of activities that includes inbound logistics, warehouse and storage, production and manufacturing, finished product storage, outbound logistics, marketing and sales, and customer service. An analysis of each activity of the value chain of an organization reveals how to increase the value perceived by the customer. The supply chain component determines what supplies are required for the value chain, what quantities are needed to meet customer demand, how the supplies should be manufactured into finished goods and services, and how the shipment of supplies and products to customers should be scheduled, maintained, and controlled.

PTS: 1 REF: p. 19

7. Explain the difference between sustaining and disruptive change.

ANS:

Sustaining change can help an organization improve its current operations, such as improving the supply of raw materials, the production process, and the products and services it offers. Disruptive change can completely transform an organization or industry or create new ones. Disruptive technologies may not originally have good performance, low cost, or even strong customer demand. Over time, however, they often replace existing technologies.

Principles of Information Systems Canadian 1st Edition Stair Test Bank

Full Download: https://alibabadownload.com/product/principles-of-information-systems-canadian-1st-edition-stair-test-bank/

8. Briefly discuss the technology acceptance model and its importance.

ANS:

The technology acceptance model specifies the factors that can lead to better attitudes about an information system, along with higher acceptance and usage of the system. These factors include the perceived usefulness of the technology, the ease of its use, the quality of the information system, and the degree to which the organization supports its use.

PTS: 1 REF: p. 28-29

9. What is competitive advantage? Identify five forces that cause firms to seek competitive advantage.

ANS:

Competitive advantage is a significant and long-term benefit to a company over its competition and can result in higher-quality products, better customer service, and lower costs. Michael Porter identified five forces. The more these forces combine in any instance, the more likely firms will seek competitive advantage and the more dramatic the results of such an advantage will be. These five forces include 1) rivalry among existing competitors, 2) the threat of new entrants, 3) the threat of substitute products and services, 4) the bargaining power of suppliers, and 5) the bargaining power of suppliers.

PTS: 1 REF: p. 31-33

10. What are some of the resources and strategies that you can use to have a career in information systems?

ANS:

http://www.workopolis.com/

This is a very powerful resource where one can find job postings as well as posting one's resume.

http://www.monster.ca/

This is also a popular site where one can search for jobs by company, location, and industry categories.

http://www.allstarjobs.ca/

This site provides another alternative to search for jobs across the country by province and territory.

http://www.it-careers.ca/

This site focuses on IT Jobs.

STRATEGIES

There is no magic formula to finding a career in IT. However, in Canada, we do have a lot of resources at the federal, provincial, and municipal levels. There are also government programs that are targeted towards the unemployed workforce. There are also placement opportunities where one can learn, as well as get Canadian experience. For those of you who are new immigrants and have previous training, you can be hired as Internationally Trained Individuals. This is a program that places those individuals for a period of six months in various public and private companies.

www.careeredge.ca

PTS: 1 REF: p. 70-71

1-22

Copyright © 2012 by Nelson Education Ltd.

This sample only, Download all chapters at: AlibabaDownload.com