## CSM481 INFORMATION SYSTEMS I

NOVEMBER 2014

TIME ALLOWED: 1 HOUR.

Answer ALL questions by shading the appropriate letter on the scannable form provided and circling the letter corresponding to the correct answer on the question paper.

- 1. The traditional systems lifecycle
  - has a very formal division of labor between end-users and information systems specialists.
     is suitable for applications that need a rigorous and formal requirements analysis.

  - III. discourages freezing of specifications early in the development
  - a. I and II only
  - b. I and III only
  - c. II and III only
  - d. I only
- \_\_ stage of the system lifecycle determines whether or not the organization has a problem and whether or not the problem can be solved by lunching a system project.
  - a. design
  - b. project definition
  - c. installation
  - d. system study
  - e. post implementation
- 3. The system lifecycle is
  - I. iterative
  - II. time-consuming
  - III. inflexible
  - IV. costly
  - a. I, & Il only
  - b. 18 Ill only
- c. 1, 11 & 111 only
- d. II, III & IV only
- e. III & IV only

- A prototype

  I. is most useful when there is some uncertainty about requirements or design solutions.

  - II. replaces unplanned work with planned iteration III. is especially valuable for the design of end-user interfaces
  - IV. discourages end-user participation
  - a. 1& II only
  - b. 1, 111 & IV only
  - c. II & III only
  - d. III & IV only
  - e. 1, 11 & 111 only
- 5. Some of the disadvantages of prototyping are
  - I. It may lack adequate testing
  - II. It may not easily accommodate large quantities of data in a production environment
  - III. Applications with extensive procedural logic and updating requirements cannot be handled
  - IV It is likely that it may lack adequate requirements determination
  - a. 1& II only
  - b. II & III only
  - c. II, III & IV only
  - d. I, II, III & IV
  - e. I, II & III only
- encourages intense end-user involvement throughout the system development
  - lifecycle.
  - I. Traditional System lifecycle
    - II. End-user computing
    - III. Outsourcing
    - IV. Prototyping
  - a. I, III & IV only
  - b. II, III & IV only
  - c. 1& III only
  - d. II & IV only
  - e. 1& IV only
- 7. Application software packages are
  - I. for small desktop microcomputer systems
  - II. pre-designed, pre-tested and pre-maintained
  - III. supported by vendors
  - a. 1& II only
  - b. 1& III only
  - c. I only
  - d. III only
  - e. 1,11 & 111

	the software system building, user requirements may have to be molded to the features of
	a outsourcing b. end-user
	C: prototypine
	d. traditional systems lifered to
	e. application software package
9.	A detailed list of quarties
	A detailed list of questions submitted to vendors of packaged software to enable them evaluate
	the available packages in order to made a selection is known as
	b. Package evaluation
	c. Evaluation list
	d. Request for evaluation
	e. Request for proposal
10.	Information centers that provide support for end-users
	1. prevent the creation of redundant applications
	II. establish and enforce standards for hardware and software
	III. contract computer center operations or applications development to external vendors III. promote data sharing and minimize integrity problems
	a. II, III & IV only
	b. I, II & IV only
	c. 1&III only
	d. II & IV only
	e. 1 & IV only
11	Which of the following system development approaches can lead to a proliferation of
	uncontrolled information systems?
	a. outsourcing
	b. prototyping
	c. traditional systems lifecycle
	d. application software package
	e. end-user development
17	Which of the following system development approaches can lead to the loss of control over the
12	information systems function?
	a. outsourcing
	b. prototyping
	c. traditional systems lifecycle
	ti i
	t development
	e, end-user development
	The entire set of relationships between various sub-systems which contribute to the overall of the system.
13	behavior of the system is referred to as the of the system.
	benavior of the system as
	a. relationships
	b. interfaces
	c. hierachy
	d. structure
	e. emergent properties
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14. Is often expressed in the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the sum of a company of the saying that "a system is more than the say
a. Efficiency
b Effectiveness c Systems view
d. Holism
15 is the measure for disorder or energy degradation.
a Feedback b. Entropy
c. Holism
d. Reductionism
e. Equifinality
16. When information systems development for applications is measured by adherence to budget
and development standards, this is a measure of  a. Control
b. Standards
c. Project management
d. Effectiveness
e. Efficiency
17. Which level of managerial decision making are made up of business professionals in self-
directed teams as well as business unit managers who develop short and medium-range plans,
schedules, and budgets?
a. Operational management
b. Tactical management  c. Knowledge management
d. Strategic management
e. Executive management
18. If you can check information to make sure that it is correct, perhaps by checking many different
sources for the same information, then it is
a. Secure
b. Accurate
c. Reliable
d. Complete e. Verifiable
e. Vermanie
19. Which of these is most closely associated with system control?
a. boundary
b. environment
c. feedback
d. interface
e. outputs
20. Which of these is the most personalized?
a. data-processing systems
b. decision support systems
c. expert systems
d. management information systems
e. office automation systems

21. Which of these systems allows management to think about strategic problems?  a group decision support systems.
C. maharement information
e. decision support systems
When groups need to work together to make semistructured or unstructured decisions, a
a. executive support system
b. group decision support system
c. expert system. d. knowledge work system.
e. Neural nets
23. The nesting of systems within systems and within systems is referred to as system
Sale biolicities
b. interfaces c. hierarchy
d. structure
e. design
24. Which of these focuses primarily on supporting information and knowledge work?
Artificial intelligence systems
II. Office automation systems III. Data mining systems
a. Lonly
b. I and II only c. II and III only
d. Fand III only
e. 1, II & III
25. Which of these are <u>not</u> considered part of office automation system?
I. document creation and processing
II. codified knowledge
III. high speed digital communication service
IV. powerful workstation
a. Land II only
b. II and III only
c. III and IV only
d. II and IV only
e. IV only
26. A document imaging system may include
I. High resolution scanners
II. Workstations and disk
III. Index servers
IV. Optical disk drivers
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- a. 1 and II only b. 1 and III only c. II and III only d. 1, II and III
- e. I, II, III and IV
- 27. Knowledge workers perform the following roles.

  1. Serve as internal consultants on the areas of their knowledge.

  11. Manage documents including document creation, storage, retrieval and dissemination.

  11. Keep the organizations up-to-date in knowledge as it develops in the external world.

  12. No. Acts as change agents evaluating, initiating and promoting change projects.

  - a. I and II only
  - b. I and III only
  - c. II and III only
  - d. III and IV only e. I, III and IV
- - IV. is used to organize and evaluate ideas.

  - a. 1 & II only b. 1 & III only

  - c. 1, II & III only d. 1, II, & IV only
  - e. 1, 11, 111 & IV only
  - 29. Groupware systems allows groups of people to work together on documents and also

    - schedule meetings
       route electronic forms
       develop shared databases
    - IV. create and provide a collaborative meeting atmosphere

      - I and II only
        II and III only
      - I and IV only
      - I, II and III only
      - I, III and IV only
  - 30. Existing artificial intelligence systems

    1. are based on human expertise and knowledge

    11. do come up with new and novel solutions to problems.

    111. lack the common sense and generality of human beings

    117. lack the ability to create metaphors and analogies

    - a. I and II only b. II and IV only

    - c. III and IV only d. I, II and III only
    - e. I, III and IV only

31. The mos	t important factors in DSS success are Its use of sophisticated IT
11.	Novelty of application
III.	User training and involvement in its development
a. land	II only
b. I and	Ill only
	d III only
	nd III only
e. III or	
22 5	the state of the s
32. For a go	ood quality and effective meeting, one can turn to
	utive Support Systems
	sion Support Systems
	p Decision Support Systems
IV. Grou	pware
a. Land	Ullionly
	d III only
	d IV only
	d IV only.
e. III on	
33. An elect	tronic meeting system will have
1. Wo	prkstations
II. File	Server
III. Ov	erhead projectors
a. I and	
	i III only
	d III only
d. 1, 11 :	
e. III or	"Y
34 Which r	models ask 'What if' questions repeatedly to determine the impact of changes in one
	ctors or outcomes?
a.	Statistical models
b.	Optimization models
c.	Forecast models
d.	Sensitivity analysis models
d.	None of the above
35. Which o	of these GDSS tools aid meeting organizers in pre-meeting planning?
	Genus Distinguisies

Electronic brainstorming tools
Electronic questionnaires

111.

a. I only
b. II only
c. III only
d. I and II only
e. II and III only

	which of these GDSS self-ware tools allows individuals to simultaneously and anonymous contribute ideas on the ropic of a meeting?
	Electronic questionnaires
	II Electronic brainsforming tools
	III. Idea organizers a. Lonly
	b. Il only
	c. Ill only
	d. Land II only
37. 1	When a feedback loop reinforces the current behaviour of a system, this is referred to as
a	feedback
1	feedback control
	cybernetics
	negative feedback positive feedback
	Postive recorded
38. V	Which of the following is not a characteristic of a TPS?
	Small amounts of data are processed
	Sources of data are mainly internal
	There is low computational complexity
O,	There is high level of accuracy, data integrity, and security
e.	There is high level of detail
39 W	Which of the following is not a share of a second s
a.	Which of the following is not a characteristic of a structured decision?
	Structured solution exists
	Human intuition is involved
	Known algorithms provide solution
	Its repetitive
40. As	system that exhibits more activity is said to be
	Open
b.	Artificial
c.	Continuous
d.	Deterministic
e,	Dynamic
41. The	general principle in decomposition which assumes that components are considered to be
pa	rt of the same subsystem if they perform or are related to the same function is
a.	simplification
b.	functional cohesion.
C.	Decoupling
d.	suboptimization
e,	factorization

	Enterprise Resource Planning
	Knowledge management systems
	L Transaction Processing System
	/. Online Analytical Processing
	I & II only I & III only
	II & III only
	. III & IV only
	. II & IV only
43 "	Flatter organizations"
0	Is synonymous with virtual organizations
11	Have lower-level employee being given greater decision making authority  I. Have automated work processes and procedures
	. 1& II only
	1 & III only
	. Il & III only
	l. Il only
e	
	Which of the following characteristics do data in Transaction Processing Systems have? They
	re: . processed in distributed fashion
I	
111	
IV IV	
10	organized to provide quick another to the
a.	1 & II only
b	. 1& III only
c.	II & III only
d	. II & IV only
e	. III & IV only
	refers to the ability to look at the database from different viewpoints.
45.	Consolidation
	. Slicing and dicing
	n as existing
C	Lades discovery
d	- 01 4
е	Drill-down

	3811
	46. The following are all examples of TPS except
	b. Inventory Control Systems
	c. Shipping d. Employee Record Keeping
	e. Sales order entry
	47. Which of these types of Information Systems is used by middle managers?
	47. Which of these types of information in the second seco
	II. DSS
	III. KWS
	IV. ESS
	a. I and II only
	b. 1 and III only c. 1 and IV only
	d. II only
	e. IV only
	48. Which of these types of information systems use compressed transaction data from TPS and
	usually presents long reports that are produced on a regular basis?
	a. TPS
	b OAS
	c. MIS d. KWS
	e. ESS
	t and blance whose solutions cannot be specified in
	49 provide support for decisions and problems whose solutions cannot be specified in
	advance.  a. MIS
	b. OAS
	c. DSS
	d. ESS
	e. GDSS
	50. Data mining is used to aid in
	a. operational management
	h analyzing past decision made by managers
4.0	c. detecting patterns in operational data
	d retrieving archival data
	e. providing fast access to massive amounts of data
	d. progle or activities where it w
	51 is the distribution of processed information to the people or activities where it w
* 4	be used.
	a. Networks
	b. Groupware
	c. Output
	d. Feedback
	e. Interface
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	Tage to or 7

	The second secon
	52. Which of these is true of Management level systems?  1. Some tend to focus on less structured systems?
	1. Some tend to focus on less structured decisions for which information requirements are not clear. 11. They provide periodic reports rather than instant information on operations. 12. They match changes in the external environment with existing organisms.
STATE OF THE PARTY	III. They match changes in the external environment with existing organizational capabilities  I and II only  I and III only
	c. If and III only d. Lonly
	e. If only
5	53. The purpose of system is to help the business firm integrate new ideas into the
	a. Operations level
TAK!	b. Knowledge level c. Managerial level
	d. Strategic level e. Transaction level
54	4. Information systems may be considered as systems.
	I. Open II. Artificial
	III. Deterministic
	IV. Static a. I, II, and III only
	b. I, II and III, IV c. II, III and IV only
	d. I and III only
	e. I and II only
	The interconnections and interactions between subsystems are termed  a. boundaries
	b. interfaces
	c. data d. feedback
	e. input/output
56 T	he features which define and delineate a system form it's
a	. interface
	. boundaries
	environment black box
e.	process
57. A	subsystem at the lowest level which has its inputs and outputs defined but not how the inputs
ar	e transformed to outputs are termed as a
a.	black box
	module
	suprasystem units
	components

58 A 5	system that designs promotional display for a firm's product should be alevel	
SVS	stem under the sales function.	
	Operational	
	Strategic	
C.	Management	
d.	Knowledge	
e.	Transaction	
59. W	hich of these are considered as knowledge assets?	
1.		
	Financial assets	
III.	Core competencies	
	1 & II only	
	I & III only II & III only	
	I, II, & III only I only	
	e fastest-growing Information Systems applications for over a decade has been	
1.	Transaction processing systems Office automation systems	
	I. Professional work systems	
	1 & II only	
	1 & III only	
	II & III only	
	I, II, & III only	
	Il only	
61. Co	impared to data workers, knowledge workers	
1.	routinely exercise independent judgment.	
	process data into information for research	
HI.	are members of professional organizations	
IV.	are responsible for office activities.	
a.	1 & II only	
b.	II & III only	
C.	III & TV only	
d.	1 & III only	
e.	1 & IV only	
62. Kr	nowledge work systems require	
L		
	great computing power to rapidly handle complex calculations and sophisticated graphics	
	. expert systems	
	. user-friendly interface	
	I, II & III only	
	I, II & IV only	
	II, III & IV only	
	I, & II only	
e.	II & IV only	
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systems automate the creation and revision of design, using computers and ophisticated graphics software. a. CAD b. CAM c. Virtual reality d. Expert e. Desktop publishing 64. The basic components of a DSS include I. a model base II. a database III. a inference engine

- IV. an intranet a. 1& II only
- b. II & III only c. II, III & IV only
- d. I, II, & III only
- e. Ill only
- 65. Which of these models of DSS would use linear programming to determine the best resources allocated to maximize or minimize specific variables such as cost or time?
  - a. sensitivity analysis models

  - b. forecasting modelsc. decision modelsd. regression analysis models
  - e. optimization models
- 66. Specific GDSS software tools include the following
  - I. Digital imaging tools
  - II. Electronic brainstorming tools
  - III. Group dictionaries

  - a. 1 & II only b. 1 & III only
  - c. II & III only
  - d. I, II, & III only
  - e. Ionly
- 67. The new manager relies on
  - I. informal commitments and networks to establish goals
  - II. a flexible arrangement of teams and individuals working in task forces
  - III. nearly instant information.
  - a. 1& Il only
  - b. 1& III only
  - c. II & III only
  - d. II only
  - e. 1, 11 & 111

- 68. The managers' conventional responsibilities include
  - t. perceiving business challenges in the environment
  - II. Setting the organizational strategy for responding to challenges,
  - III. creating new products and services
  - a. 1& II only
  - b. 1& III only
  - c. II & III only
  - d. Ill only
  - e. i, 11 & 111
- 69. For a large organisations to achieve achie
  - analyzing massive databases of customers purchasing records to know their customers' needs and preferences as easily as inval merchants
  - II. control tools that provide the precision, speed and quality of giant manufacturers.
  - !II. keeping track of inventory with very few clerks and managers
  - a. 1& It only
  - b. 1 & III only
  - c. II & III only
  - d. Lonly
  - e. 1, 11 & 111
- 70. Interorganisational systems that provide services to multiple organisations by linking together many buyers and sellers create an electronic market that provide lowered cost for typical market transactions such as
  - I. advertising
  - II. establishing prices
  - III. ordering goods
  - IV. selecting suppliers
  - a. 1& III only
  - b. II & IV only
  - c. 1, 11 & 111 only
  - d. II, III & IV only
  - e. 1, 11, 111 & IV