

Work sheet for Core Competency to Graduating Class

Part I: Software Engineering

1. Which is one of the following statement is not true?
 - A. Computer software is a product or program code developed by software engineers
 - B. The software is the key element in all computer based systems and products
 - C. Software consists of data and the related documents
 - D. Every Project is temporary phase in the lifetime of an organization.
2. Which is the most important feature in spiral model?
 - A. Quality management
 - B. Risk management
 - C. Performance management
 - D. Cost management
3. Which phases are the high probability Errors can occur at development
 - A. Requirement
 - B. Coding
 - C. Analysis
 - D. Design
4. Which one of the following is false for Software life cycle?
 - A. It breaks the problem of developing SW into successfully performing a set of phases
 - B. It minimizes development cost .
 - C. Each phase ends up with defined output
 - D. It is Not allows proper checking of quality and progress at defined point during the development
5. Which one of the following is not the activities of project scheduling?
 - A. Break down the project tasks into smaller, manageable form
 - B. Break down the project tasks into smaller, manageable form
 - C. Calculate total time required for the project from start to finish
 - D. Define project boundary
6. The process of executing a program with the intention of finding errors is
 - A. Maintenance
 - B. Deployment
 - C. Testing
 - D. Analysis
7. Which one of the following is not the characteristics of a project?
 - A. Every project may have a unique and distinct goal.
 - B. Every Project is temporary phase in the lifetime of an organization.
 - C. Project ends when its goal is achieved
 - D. Project will not allocate resources
8. Which of the following is not included in SRS?
 - A. Non-Functionality
 - B. Functionality
 - C. Design solutions

- D. Coding
9. One of the following is not Factors that affect cost estimation
- A. Size of Project
 - B. SRS
 - C. Level of technology
 - D. Complexity
10. _____ is a logically separable part of a program.
- A. Module
 - B. Programs
 - C. Code
 - D. Object
11. _____ is the process should produce high-quality software at low cost
- A. Scalability
 - B. Predictability
 - C. Flexibility
 - D. Optimality
12. When we use waterfall model
- A. When the developing org is not familiar with the problem domain and the requirements
 - B. It is well suited for routine types of projects where the requirements are well understood.
 - C. It is well suited for complicated and large systems
 - D. When Risk is high
13. A measurement that defines the level of inter-dependability among modules of a program
- A. Cohesive
 - B. Coupling
 - C. Design
 - D. Testing
14. Which one of the following testing techniques are white box type of testing
- A. Equivalence class
 - B. Pair wise testing
 - C. Control flow testing
 - D. No answer
15. Which of the following is Advantage of modularization in software design
- A. Smaller components are difficult to maintain
 - B. Components with high cohesion can be re-used again
 - C. Program can be divided based on functional aspects
 - D. Desired from security aspect
16. Which of the following is not element of Requirement Engineering Process
- A. Requirement Gathering
 - B. Feasibility Study
 - C. Software Requirement Specification
 - D. Software Requirement Design
17. Which is the most important feature spiral model?
- A. Quality management

- B. Risk management
 - C. Performance management
 - D. D Human resource management
18. The process of executing a program with the intention of finding errors is
- A. Maintenance
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19. Which one of the following is not the characteristics of a project?
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 - C. Project ends when its goal is achieved
 - D. Project will not allocate resources
20. The advantage of following the IEEE Standard for drawing up a Software Project Management Plan (SPMP) – see IEEE Standard 1059.1
- A. It is drawn up by representatives from major software development organizations
 - B. It is designed for all types of software products
 - C. It is a framework that can be used irrespective of process model or specific techniques
 - D. All of the above
- 21. What is the essence of software engineering?**
- A. Requirements Definition, Design Representation, Knowledge Capture and Quality Factors
 - B. Maintaining Configurations, Organizing Teams, Channelling Creativity and Planning Resource Use
 - C. Time/Space Tradeoffs, Optimizing Process, Minimizing Communication and Problem Decomposition
 - D. Managing Complexity, Managing Personnel Resources, Managing Time and Money and Producing Useful Products
- 22. What are the major activities of the spiral model of software engineering?**
- A. Planning, Risk Analysis, Engineering, Customer Evaluation
 - B. Defining, Prototyping, Testing, Delivery
 - C. Requirements
 - D. Quick Design, Build Prototype, Evaluate Prototype, Refine Prototype
- 23. Read the following paragraph and identify the correct statement.**
- “Imagine that you were recently hired as a software engineer to a company that specializes in aircraft navigation control software. While orientating yourselves to the company’s work practices, you observe that they in fact do not conduct a few tests that they should in order comply with the relevant safety standard. When you inquire about this from the project manager, he dismisses it saying that those tests unnecessary (and takes an unreasonably long time to conduct, as well as being superfluous) and that they have managed with the other so long, without any problems.”
- A. You should immediately resign from the company and file a complaint with the relevant standard institution
 - B. You should do nothing and let the matter slide
 - C. Although you are new to the company, and you hardly know anything about the internal processes and politics, you should insist on company changing its work practices immediately; failing which you threaten to report the matter
 - D. Since you are new to the company, and you are unfamiliar with the internal processes and politics, you should first find-out more about issue and its background
- 24. A design is said to be a good design if the components are**
- A. Strongly coupled
 - B. Weakly cohesive

- C. Strongly coupled and weakly cohesive
 - E. Strongly cohesive and weakly coupled
25. **In choosing a development life-cycle model, one would consider the**
- A. Development Group Expertise, Problem Characteristics, User Expectations
 - B. Languages, Development Schedule, Competition
 - C. System Context, User Population, Platforms
 - D. Organizational Structure, User Tasks, Performance Criteria
26. **A systematic approach to software development, as epitomized by the various life-cycle models, is useful in**
- A. Helping us understand the nature of the software product
 - B. Convincing the customer that we know what we are doing
 - C. Filling texts on software engineering
 - D. Managing the various activities necessary to get the job done
27. **The rapid application development model is**
- A. A useful approach when a customer cannot define requirements clearly
 - B. Same as component-based development
 - C. A high-speed adaptation of the linear sequential model
 - D. Same as incremental model
28. **Identify, from among the following, the correct statement.**
- A. One of the main challenges Software Engineering facing today is the requirement of most software systems to work with a multitude homogenous systems
 - B. 'Legacy systems' are custom developed software systems for the legal domain
 - C. Software does not wear-out in the traditional sense of the term, but software does tend to deteriorate as it evolves
 - D. Since software is essentially 'intangible' it is relatively easy to manage software projects
29. **Problems with using Lines of Code to measure the size of a product include(s)**
- A. The creation of source code is only part of the development effort
 - B. The Lines of Code (LOC) will differ between languages and cannot be measured for some languages
 - C. The final size (kLOC) can only be determined once the product is delivered
 - D. All of the above
30. **What would be investigated during Requirements analysis?**
- A. System performance, Test Scheduling, Organizational Structure
 - B. Languages, Platforms, Competition
 - C. System Context, User Populations, User Tasks
 - D. Verification, Formal Methods, Accuracy
31. **With regard to Evolutionary development, identify the correct statement.**
- A. Evolutionary development usually comes in two flavors; Exploratory development and throw-away prototyping
 - B. Very large projects are natural candidates for an evolutionary development based approach
 - C. Exploratory development is used in situations where most of the requirements are well understood in advance
 - D. One of the strong points of evolutionary development is that it facilitates easy project management, through the high volume of documentation it generates
32. **The best way to test the Software Project Management Plan (SPMP) is by**
- A. Prototyping
 - B. Inspection
 - C. Simulation
 - D. Compilation

33. **The purpose of earned value analysis is to**
- A. Determine how to compensate developers based on their productivity
 - B. Provide a quantitative means of assessing software project progress
 - C. Provide a qualitative means of assessing software project progress
 - D. Set the price point for a software product based on development effort
34. **An example of the risk involved in software development is**
- A. Key personnel may resign before the product is complete
 - B. The manufacturer of critical components (e.g. the hardware associated with a real-time system) may go bankrupt
 - C. Technology changes may render the product obsolete
 - D. All of these are risks involved in software development
35. **What are the factors to be considered when planning a software development effort?**
- A. Performance, Problem, Product, Planning
 - B. People, Problem, Product, Process
 - C. People, Problem, Productivity, Performance
 - D. People, Problem, Product, Portability
36. **Choose the incorrect statement in terms of Objects.**
- a. Objects are abstractions of real-world
 - b. Objects can't manage themselves
 - c. Objects encapsulate state and representation information
 - d. All of the mentioned
- B. Which of the following is a mechanism that allows several objects in a class hierarchy to have different methods with the same name?**
- A. Aggregation
 - B. Polymorphism
 - C. Inheritance
 - D. All of the mentioned
37. _____ and _____ are the two view points discussed in Controlled Requirements Expression (CORE).
- A. Functional, Non-Functional
 - B. User, Developer
 - C. Known, Unknown
 - D. All of the mentioned
38. **Which of the following is not a diagram studied in Requirement Analysis?**
- A. Use Cases
 - B. Entity Relationship Diagram
 - C. State Transition Diagram
 - D. Activity Diagram
39. **What is the correct HTML for adding a background color?**
- A. <body bgcolor="yellow">
 - B. <body bg="yellow">
 - C. <background>yellow</background>
 - D. a and b
40. **Choose the correct HTML element to define emphasized text**
- A.
 - B. <italic>
 - C. <im>
 - D. a and c
41. **How can you make a numbered list?**
- B.
 - B.
 - C.
 - D. all

42. Which one of the following tags must have attribute?
 A. B. <h1> C. <p> d. all
43. What is the correct HTML for making a drop-down list?
 A. <list> C. <select>
 B. <input type="dropdown"> D. . <input>
44. One of the following is not correct way to add color.
 A. rgba(234,12,32,0.7)
 B. hsl(359,34%,70%)
 C. rgb(255,255,359)
 D. hsla(0,100%,23%,0.2)
45. one of the following is new in HTML5
 A. video tag B. placeholder C. picture D. all are new
46. what does affected_rows() do?
 A. returns the number of rows in the table
 B. returns number of updated rows
 C. used to filter query injection
 D. all
47. All variables in PHP start with which symbol?
 A. & B. \$ C. ! D. var
48. Which one is correct session variable?
 A. \$_session["username"] C. \$_SESSION["username"]
 B. . SESSION["users"]
49. What is the output of <?php date("h:i:s"); ?> ?
 A. Year, month and date C. hour, minute and second
 B. timestamp
50. Mysqli_connect takes one of the following parameters
 A. Database name C. server name
 B. port number D. username
51. What is a correct way to add a comment in PHP?
 A. # B. <!--...--> C. /*...*/ D. A and C
52. What is the output of <?php \$x=6; \$x++==6 ? "Cheers" : "NoWay"
 A. 7 B. Cheers C. NoWay D. error
53. One is used to display using JavaScript
 A. document.write()
 B. window.alert()
 C. consol.log()
 D. all
54. which declaration is wrong in JavaScript
 A. cont x=4;
 B. let x=3;
 C. var y=4;
 D. x=5;
 E. none

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55. _____ is used to create space around an element's content, inside of any defined borders.
- A. Margin B. padding C. box-model D. all
56. Which one cannot be possible value for font-style?
- A. Normal B. italic C. bold D. oblique
57. One of the following add line break after the element
- A. Display:inline B. display:inline-block C. display:block
58. What are the purpose of each value in { border:solid 2px #FFA124; } respectively?
- A. Type, color, thickness B. style, width, color C. style, color, width
59. _____ is the capacity to change the conceptual schema without having to change external schemas or application programs.
- A. Logical data independence C. Physical data independence
B. external data independence D. internal data independence
60. Which one of the following schema describe physical storage structures and access paths.
- A. External schema B. Conceptual schema C. Internal schema D. Physical Schema
61. Which one of the following is not DML
- A. INSERT B. DELETE TABELLE C. UPDATE D Drop TABLE
62. Which type of constraint is used to enforce referential integrity?
- A. Primary key constraint C. Unique constraint
B. Check constraint D. Foreign key constraint
63. Type of relationship that describes how many entities are participated in the relation
- A. Carnality of relationship C. Degree of relationship
B. generalization of relationship D. Specialization of relationship
64. which one of the following is not true about SQL CHECK Constraint
- A. The CHECK constraint is used to limit the value range that can be placed in a column.
B. If you define a CHECK constraint on a single column it allows only certain values for this column.
C. If you define a CHECK constraint on a table it can limit the values in certain columns based on values in other columns in the row.
D. If you define a CHECK constraint on a single column it allows only certain values for all columns.
65. _____, a Software package used for providing efficient, convenient and safe multi-user storage and access to massive amounts of persistent data
66. Type of relationship that describes how many entities are participated in the relation
- C. Carnality of relationship C. Degree of relationship
D. generalization of relationship D. Specialization of relationship
67. File B. Database System C. Database Management System D. Database Instance
68. Which one of the following is not among the advantages of DBMS
- A. Concurrency Control Services C. Recovery Services
B. Authorization Services (Security): D. Data Generation Service

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69. Which one of the following schema describe the structure and constraints for the whole database for a community of users?
- A. External schema B. Conceptual schema C. Internal schema D. Physical Schema
70. _____is the collection of data in the database at a particular point of time
- A. Instance B. Schema C. Model D. Independency
71. An entity that does not have a key attributes of their own are called
- A. Strong Entity B. derived Entity C. Weak Entity D. Regular Entity
72. _____ Defines a collection (or set) of entities that have the same attributes.
- A. Entity B. Entity Types C. entity set D. entity group
73. If an attribute has a set of values for the same entity, it's called
- A. Composite attribute B. Derived Attribute C. Multi-valued Attribute D. Stored Attribute
74. If an attribute is calculated from other attribute its called
- A. Composite attribute B. Derived Attribute C. Multi-valued Attribute D. Stored Attribute
75. Which one of the following SQL query syntax is used to add a column from a table
- A. ALTER TABLE table_name ADD COLUMN column_name
- B. ALTER TABLE table_name ADD column_name
- C. ALTER TABLE table_name column_name
- D. ALTER TABLE table_name ADD column_name COLUMN
76. Type of relationship that describes how many entity types are participated in the relation
- A. Carnality of relationship C. Degree of relationship
- B. generalization of relationship D. Specialization of relationship
77. which one of the following is not true about SQL Primary Key constraint
- A. The PRIMARY KEY constraint uniquely identifies each record in a database table.
- B. Primary keys must contain unique values.
- C. A primary key column contain NULL values.
- D. Each table should have a primary key, and each table can have only one primary key.
78. Which one of the following SQL query syntax is used to drop a column from a table
- A. ALTER TABLE table_name DROP COLUMN column_name
- B. ALTER TABLE table_name DROP column_name
- C. ALTER TABLE table_name column_name
- D. ALTER TABLE table_name DROP column_name COLUMN
79. A measurement that defines the level of inter-dependability among modules of a program is__ .
- A Cohesive B. Coupling C. Design D. Testing
80. Which of the following are Advantages of modularization in software design
- A. Smaller components are difficult to maintain
- B. Components with high cohesion can be re-used again
- C. Program can be divided based on functional aspects
- D. Desired from security aspect

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81. Which of the following is not element of Requirement Engineering Process
- A. Requirement Gathering
 - B. Feasibility Study
 - C. Software Requirement Specification
 - D. Software Requirement Design
82. From the following alternatives , one is not from the Communication management process steps
- A. Planning
 - B. Determining
 - C. Feedback
 - D. Sharing
83. Which type of test determine if the system meets the entire requirements (functional and nonfunctional)?
- a) System test
 - b) Acceptance test
 - c) Integration test
 - d) Unit Test
84. How is generalization implemented in Object-Oriented software engineering?
- a) Inheritance
 - b) Polymorphism
 - c) Encapsulation
 - d) Abstract Classes
85. All of the following are required to develop an effective test except:
- a) Detailed understanding of the system
 - b) Application and solution domain knowledge
 - c) Knowledge of the testing techniques
 - d) Skill to specific programming language
86. Use case description commonly contain:
- a) Trigger, associations, guarantee.
 - b) Precondition, generalizations, main scenario.
 - c) Precondition, main scenario, alternative scenarios.
87. Aggregation, composition, generalization. Which document is created by a system analyst after the requirements are collected from different stakeholders?
- a) Requirement gathering
 - b) Software Requirement specification
 - c) Software Requirement testing
 - d) Software Requirement validation
88. Choose the incorrect statement in terms of Objects.
- a) Objects are abstractions of real-world
 - b) Objects can't manage themselves
 - c) Objects encapsulate state and representation information
 - d) All of the mentioned
89. Which of the following is a mechanism that allows several objects in a class hierarchy to have different methods with the same name?
- a) Aggregation
 - b) Polymorphism
 - c) Inheritance
 - d) All of the mentioned
90. _____ is a process which translate system specification into a formal or semiformal model.
- a) Design
 - b) Implementation
 - c) Analysis
 - d) Elicitation
91. Which of the following is a disadvantage of OOD ?
- a) Easier maintenance

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114. whenever the page required to be replaced which algorithm chooses the page that has not been used for the longest period of time?
- A. Additional reference bit algorithm
 - B. Least recently used algorithm
 - C. Counting based page replacement algorithm
 - D. First in First Out algorithm
115. It is a process state that cannot execute until some event occurs, such as the completion of an I/O operation.
- A. Ready
 - B. Running
 - C. Blocked
 - D. New
116. What a virtual-memory miss is called?
- a. Hit miss
 - b. Page hit
 - C. Page miss
 - D. Page Fault
117. If a process is still running at the end of its time interval, it is suspended and another process is picked up. This kind of algorithm is known as _____.
- A. Batch Algorithm
 - B. Real Time Algorithm
 - C. Preemptive Algorithm
 - D. Non- Preemptive Algorithm
118. Which one of the following page replacement algorithm has the lowest page-fault rate?
- a.LRU Page replacement algorithm
 - b.FIFO Page replacement algorithm
 - C. LFU Page replacement algorithm
 - D. Optimal Page replacement algorithm
119. In which Swap space exists?
- a. CPU
 - b. primary memory
 - C. secondary memory
 - D. None
120. When a program tries to access a page that is mapped in address space but not loaded in physical memory, then what occurs?
- a. page fault occurs
 - b. fatal error occurs
 - C. segmentation fault occurs
 - D. No error occurs
121. A _____ is an undesirable situation that occurs when a device or system attempts to perform two or more operations at the same time.
- A. Race Condition
 - B. Mutual Exclusion
 - C. Internal Defragmentation
 - D. Critical region
122. A small piece of program that can add interactivity to our website is
- a. Cascading style sheet
 - b. JavaScript
 - c. C++
 - d. All
123. What a head of html contains, *except*?
- a. <link>
 - b. <style>
 - c. <script>
 - d. None

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124. What tag is used to display on the browser as it is written in the source code?
- <p>
 - <pre>
 - <div>
 - <body>
125. If we embed a CSS code in the header of the HTML using a **link** tag
- Internal
 - Inline
 - External
 - All
126. A dialog box in JavaScript mostly used to take user's consent on any option
- Prompt dialog box
 - Confirmation dialog box
 - Alert dialog box
 - All
127. Any defined function in JavaScript which can be called against a mouse is hovering around is called?
- onclick
 - onmouseover
 - ondblclick
 - none
128. Which of the following is not the attribute of an anchor tag?
- href
 - target
 - vlink
 - none
129. Which tag allowing a user to move from one web page to another by using a mouse to click on special links
- <link>
 -
 - <a>
 -
130. Which of the following CSS embedding styles is given the last priority to be considered?
- Inline
 - Internal
 - External
 - Equal priority
131. Which contains information about the page which is not displayed?
- body
 - head
 - html
 - all
132. What will be the output of following code?
- | |
|---|
| <pre>\$a = 10; echo 'Value of a = \$a';</pre> |
|---|
- Value of a = 10
 - Value of a = \$a
 - 10
 - Syntax Error
133. With SQL, how can you return all the records from a table named "Persons" sorted descending by "FirstName"?
- SELECT * FROM Persons SORT BY 'FirstName' DESC
 - SELECT * FROM Persons SORT 'FirstName' DESC
 - SELECT * FROM Persons ORDER FirstName DESC
 - SELECT * FROM Persons ORDER BY FirstName DESC
134. Which method is secured for securing data in PHP?
- \$_POST
 - \$_GET
 - Both a & b
 - None of these
135. One of the following is true about include and require
- Include statement will display error while require do not
 - Include used to call only html extension files

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145. _____ is the ultimately largest WAN?
A. Internet B) intranet C)extranet D)extended-net
146. _____ is high bandwidth internet connection that uses telephone line?
A. DSL
B. Dial up
C. Cable modem
D. ISDN
147. What criteria are used to help select a network medium from various network media?
A. the distance the selected medium can successfully carry a signal
B. the number of intermediate devices installed in the network
C. the environment where the selected medium is to be installed
D. All except b
148. What method can be used by two computers at the transport layer to ensure that packets are not dropped because too much data is being sent too quickly?
A. Flow control
B. Acknowledgement
C. Sequencing
D. Segmentation
149. Which one of the following does not belong to the TCP/IP protocol suite application layer protocols?
A. DHCP ,DNS ,SNMP
B. POP3,IMAP,SMTP,TFTP
C. FTP,UDP,HTTP,HTTPS
D. SSH,TELNET
150. Which name is assigned to the transport layer PDU?
A. Segment
B. Packet
C. Frame
D. Bit/signal
151. When IPv4 addressing is manually configured on a web server, which property of the IPv4 configuration identifies the network and host portion for an IPv4 address?
A. Default gateway
B. Subnet
C. DNS server address
D. DHCP server address
152. _____ is the IP address of the router interface used for communicating with hosts in another network?
A. Default gateway
B. Subnet
C. DNS server address
D. DHCP server address

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153. On networks, _____ takes place when one protocol data unit is carried inside of the data field of the next lower protocol data unit.
- A. encoding
 - B. segmentation
 - C. De-encapsulation
 - D. encapsulation
154. What layer is responsible for routing messages through an internetwork in the TCP/IP model?
- A. Network access
 - B. Internet
 - C. Application
 - D. Transport
155. When received at the physical layer of a host, the bits are formatted into _____ at the data link layer.
- A. Packet
 - B. Frame
 - C. Segment
 - D. Bit/signal
156. _____ is bound to network protocols and describe how data is moved across the network
- A. Logical topology
 - B. Physical topology
 - C. Physical design
 - D. Physical map
157. _____ is the most fault tolerant and redundant topology
- A. Bus
 - B. Star
 - C. Mesh
 - D. Ring
158. _____ is multipoint connection topology where you have single backbone cable running
- A. Bus
 - B. Star
 - C. Mesh
 - D. Ring
159. _____ is the most commonly used topology in business networks
- A. Bus
 - B. Star
 - C. Mesh
 - D. Ring
160. Which one of the following is not correct about star topology?

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- A. each device has a dedicated point-to-point link only to a central controller, usually called a Concentrator
 - B. is robust and a failure of a link has no effect on others
 - C. fault identification and isolation is not easy
 - D. has single point of failure
- 161. Which one of the following is not correct about ring topology?**
- A. each device has a dedicated point-to-point connection only with the two devices on either side of it
 - B. a signal is passed along the ring in one direction, from device to device, until it reaches its destination
 - C. each device incorporates a repeater (to regenerate bits received before passing it)
 - D. None of the above
- 162. The OSI data link and physical layers together are equivalent to the TCP/IP network access layer**
- A. Application layer
 - B. Network access layer
 - C. Internet layer
 - D. Transport layer
- 163. At which layer of the OSI model would a logical address be added during encapsulation?**
- A. Physical
 - B. Data link
 - C. Network
 - D. Transport
- 164. Port addresses are added to the PDU at the _____ layer in the OSI?**
- A. Physical
 - B. Data link
 - C. Network
 - D. Transport
- 165. Multicast is a one-to-many type of communication where the message is sent to selected groups of hosts?**
- A. Unicast
 - B. Multicast
 - C. Broadcast
 - D. None of the above
- 166. Which one of the following devices is operating in half duplex mode?**
- A. Switch
 - B. Router
 - C. Hub D.Firewall
- 167. Which device performs the function of determining the path that messages should take through internetworks?**
- A. Switch C.Router

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- B. Hub D.Firewall
168. What term describes a network owned by one organization that provides safe and secure access to individuals who work for a different organization
- A. Internet
 - B. Intranet
 - C. Extranet
 - D. Campus network
169. What term describes a network where one computer can be both client and server?
- A. Workgroup
 - B. Peer to peer
 - C. Client server
 - D. a and b
170. Hosts are all computers connected to a network that participate directly in network communication.
- A. Host
 - B. Media
 - C. Servers
 - D. Intermediary devices
171. When data is encoded as pulses of light, which media is being used to transmit the data?
- A. Fiber optics
 - B)Coaxial
 - C)UTP
 - D)STP
172. In case of Admas University angry/former ICT employees wants to damage the facilities or equipment of the university he/she have several advantages compared to outsiders. Then in order to reduce those advantages, which one is not performed as a security measure?
- A. Notify ICT staff when an employee has been terminated or suspended from his job
 - B. Notify to the police officers when an employee has been terminated or suspended
 - C. Maintain strict policies on access to the university facilities by nonemployees
 - D. If terminated or suspended employees had been issued keys, ensure that keys are returned
173. Which one of the following is extreme viewpoint about computer security?
- A. Ethiopian national security agency (ENSA) will handle security
 - B. Microsoft will handle the security
 - C. There is no imminent dangers to your system
 - D. There is no danger if you use Linux
 - E. All
174. Which one of the following is not among the basic security objectives?
- A. Privacy
 - B. Availability
 - C. Confidentiality
 - D. Integrity
175. In the early days of computing, why physical security was simple?
- A. Computers are more and more portable

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- B. Accessories are not considered as important for security until there is a problem
C. They were very few and it is affordable to spend on physical security for them
D. Everybody understands the computer security policies
- 176.** Which one of the following is not true about auditing
A. It is the process of analyzing each and every tuples of data base records.
B. It is the process of analyzing systems to determine what actions took place and who performed them.
C. It is essential for recovery and accountability.
D. It is the analysis of log records to present information about the system in a clear and understandable manner.
- 177.** Which one of the following is the advantage of surveillance with video over surveillance with guard?
A. No need to ask when the person's goes where ever he want
B. The intruder doesn't see the security camera
C. It is cheaper for any of organization
D. It is easy for surveillance
- 178.** Among the types of hackers _____ is a type of hackers are among the low-abiding citizens but venture in to illegal activity?
A. Black Hat Hacker
B. Red Hat Hacker
C. Gray Hat Hacker
D. White Hat Hacker
- 179.** Active attacks attempts to alter system resources or affects their operation. It is very difficult to prevent active attacks absolutely.
A. Active attack B. Passive Attack C. Medium attack D. All
- 180.** Which type of threat destroyed or becomes unavailable or cannot be used.
A. Interruption B. Interception C. Modification D. Fabrication
- 181.** which one describes data cannot be modified undetectably
A. Confidentiality B. Integrity C. Availability D. Authenticity
- 182.** Which one of the following describes that information must be available when it is needed
A. Confidentiality B. Integrity C. Availability D. Authenticity
- 183.** Which one of the following describes that it is necessary to ensure that the data, transactions, communications or documents are genuine
A. Confidentiality B. Integrity C. Availability D. Authenticity
- 184.** Which one of the following is not ingredients of encryption schema
A. Cipher text B. Secret Key C. Hash Key D. Plaintext
- 185.** Which one occurs when unauthorized party gains access to a system and make some changes to it
A. Interruption B. Interception C. Modification D. Fabrication

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- 186.** The use of mathematical algorithms to transfer the data into a form that is not readily intelligible is called
- A. Encryption B. Access Control C. Digital signatures D. Data integrity
- 187.** Which of the following is not a valid login shell in Linux?
- A. C shell
B. Net Shell
C. Bash Shell
D. Z shell
- 188.** Which of the following should be considered when preparing for a release upgrade?
- A. User changes made to IBM supplied commands.
B. Valid license information for the current release.
C. Presence of user libraries after QSYS in the system library list.
D. Installation of the latest cumulative package for the current release.
- 189.** Which of the following tools is used to create subscription sets and add subscription-set members to subscription sets?
- A. Journal
B. License Center
C. Replication Center
D. Development Center
- 190.** Which of the following can have an impact on determining the interactive workload requirements of an iSeries?
- A. Active subsystems.
B. Active controllers.
C. Active user profiles.
D. Active display sessions.
- 191.** How many group scopes are there in Active Directory?
- A. Three
B. Zero
C. Ten
D. Five
- 192.** Find which is not one of the four divisions or container structures in Active Directory?
- A. Forests
B. Domain
C. Webs
D. Organizational units
E. Sites
- 193.** In Find what version of Windows did Microsoft adopt Kerberos as an authentication policy?
- A. Windows NT
B. Windows Server 2003 R2

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- C. Windows Server 2000
D. Windows 2008
- 194.** Advice that changes digital to analog signal is called
A. modulator B. Converter C. demodulation D. Amplification
- 195.** The synchronous modems are more costly than the asynchronous modems because
A. They operate with a larger bandwidth B. They produce large volume of data
C. They contain clock recovery circuits D. They transmit the data with stop and start bits
- 196.** _____ uses a standard called IEEE802.6.
A. Internet B. LAN C. WAN D. MAN
- 197.** Which one of the following statement is true?
A. MAC Address is used at the Data link layer.
B. Transport layer uses IP address.
C. IP address is a logical address
D. MAC address is a physical address.
- 198.** The Application Layer Protocol that dynamically assigns IP addresses to hosts is called:
A. HTTP B) DHCP C) SMTP D) SNMP E) DNS
- 199.** The standard connector used by UTP cables is _____.
A. BNC B) ST C) RJ-45 D) SC E) MT-RJ
- 200.** One of the following is a parameter used to select either a Peer-to-Peer or Server based network:
A. Size of the organization C) Level of Network Security required
B. Network budget D) Network address

Answer Sheet

Name _____ ID _____ Sec/Program _____

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
21.	22.	23.	24.	25.	26.	27.	28.	29.	30.
31.	32.	33.	34.	35.	36.	37.	38.	39.	40.
41.	42.	43.	44.	45.	46.	47.	48.	49.	50.
51.	52.	53.	54.	55.	56.	57.	58.	59.	60.
61.	62.	63.	64.	65.	66.	67.	68.	69.	70.
71.	72.	73.	74.	75.	76.	77.	78.	79.	80.
81.	82.	83.	84.	85.	86.	87.	88.	89.	90.
91.	92.	93.	94.	95.	96.	97.	98.	99.	100.
101.	102.	103.	104.	105.	106.	107.	108.	109.	110.
111.	112.	113.	114.	115.	116.	117.	118.	119.	120.
121.	122.	123.	124.	125.	126.	127.	128.	129.	130.
131.	132.	133.	134.	135.	136.	137.	138.	139.	140.
141.	142.	143.	144.	145.	146.	147.	148.	149.	150.
151.	152.	153.	154.	155.	156.	157.	158.	159.	160.
161.	162.	163.	164.	165.	166.	167.	168.	169.	170.
171.	172.	173.	174.	175.	176.	177.	178.	179.	180.
181.	182.	183.	184.	185.	186.	187.	188.	189.	190.
191.	192.	193.	194.	195.	196.	197.	198.	199.	200.