

Part-D Professional Knowledge

151. What are code generators?
- (a) CASE tools that enable the automatic generation of program and database definition code directly from the design documents diagrams, forms and reports stored in the repository.
 - (b) CASE tools that support the circulation of graphical representations of various system elements such as process flow, data relationships, and program structures.
 - (c) CASE tools that enable the easy production of user documentation in standard formats.
 - (d) CASE tools that enable the easy production of technical documentation in standard formats.
 - (e) CASE tools that support the production of systems forms and reports in order to prototype how systems will 'look and feel' to users.
152. The Web Layout View is available in which Office 2013 application?
- (a) Excel
 - (b) Word
 - (c) Access
 - (d) PowerPoint
 - (e) Webmaker
153. _____ produces printout of a data in user-defined manner
- (a) Query Language
 - (b) DML
 - (c) Report Generator
 - (d) DCL
 - (e) Metadata
154. Which security model is used in a peer-to-peer network?
- (a) Password-protected Shares
 - (b) Access Control Lists (ACLs)
 - (c) Share-level Security
 - (d) User-level Security
 - (e) Access Control Entries (ACEs)
155. A hierarchical data model combines records and fields that are
- (a) Cross structure and Relational structure
 - (b) Tree structure
 - (c) Logical manner
 - (d) Cross structure
 - (e) Relational structure
156. Which protocol is used for transferring data and information from one network to the other network?
- (a) Internet Protocol
 - (b) Transmission Control Protocol
 - (c) File Transfer Protocol
 - (d) Hyper-Text Transfer Protocol
 - (e) Ethernet Protocol
157. What does ios ate mean as an argument in ofstream in C++?
- (a) Open file for read access only
 - (b) Open file, create
 - (c) Open file, but do not create
 - (d) Open file, set the position to the end
 - (e) Open file, for write access only
158. An object-oriented database does not depend upon _____ for interactions.
- (a) Data dictionary
 - (b) Oracle
 - (c) SQL
 - (d) Index
 - (e) DBMS
159. What is a brownout in an electrical supply system?
- (a) A slightly elevated voltage lasting from seconds to minute.
 - (b) Alternating power out, power on lasting a few minutes.
 - (c) Has nothing to do with electricity.
 - (d) Complete power out lasting a few minutes.
 - (e) A slightly decreased voltage lasting from seconds to minutes or more.
160. Which common backstage view task creates a PDF file from an existing file?
- (a) Export
 - (b) Account
 - (c) Create
 - (d) Options
 - (e) Info
161. Which device operates at the internet layer of the TCP/IP model?
- (a) Switch and Hub
 - (b) Router
 - (c) Switch
 - (d) PBX
 - (e) Firewall
162. A coding scheme recognized by system software for representing organizational data best defines a _____.
- (a) Data type
 - (b) Data size
 - (c) Tuple
 - (d) Hyperlink
 - (e) Hashing algorithms
163. Which phase of the SDLC involves converting to the new system?
- (a) Systems design
 - (b) Systems implementation
 - (c) Systems analysis
 - (d) Systems development
 - (e) Other than those mentioned as options

164. What is the purpose of ARP?
- To resolve known IP addresses to unknown physical addresses.
 - To resolve domain names to unknown IP addresses.
 - To resolve MAC addresses and NetBIOS names to IP addresses.
 - To resolve known MAC addresses to unknown IP addresses.
 - To resolve NetBIOS names to IP addresses.
165. In Java, communication between objects is done by _____.
- calling a method
 - creating a class hierarchy
 - defining a Java class
 - creating a class
 - running a program
166. Which of the following CASE tools generate reports that help you identify possible inconsistencies, redundancies and omissions in diagrams, forms and reports?
- Form generators
 - Report generators
 - Diagramming tools
 - Analysis tools
 - Documentation generators
167. An attribute whose value is unique across all occurrences
- Primary key
 - Recursive key
 - Join attribute
 - Data marker
 - Single-valued key
168. AN IP protocol field of 0x06 indicates that IP is carrying what as its payload?
- UDP or IGRP
 - UDP
 - ICMP
 - TCP
 - IGRP
169. A named set of table rows stored in a contiguous section of secondary memory best describes a _____.
- Entity
 - Collection
 - Physical file
 - Pointer
 - Relation
170. Which of the following attributes makes TCP reliable?
- Connectionless establishment
 - Low overhead and Null sessions
 - Null sessions
 - Connection establishment
 - Low overhead
171. Which shortcut will create a new folder in a Windows folder?
- Ctrl + C
 - Ctrl + Shift + N
 - Ctrl + V
 - Ctrl + Alt
 - Ctrl + O
172. Which of the following is not a benefit of networks?
- Increased data integrity
 - Sharing of peripheral devices
 - Sharing of programs and data
 - Access to databases
 - Better communications
173. Which type of software is best used with specific questions to verify hypotheses?
- Data fusion tools
 - Intelligent agents
 - Data cleansing tools
 - Query-and-reporting tools
 - Multidimensional-analysis tools
174. Which method of database recovery involves undoing unwanted changes to the database, such as undoing a partially completed transaction interrupted by a power failure?
- Rollforward
 - Mirroring
 - Reprocessing
 - Rollback
 - Other than those given as options
175. What is the default maximum number of processes that can exist in Linux (with a 32-bit platform)?
- 1024
 - 32768
 - Unlimited
 - 4096
 - 99999
176. The network database model uses _____.
- Rows and fields
 - Data elements
 - Keys
 - Records and sets
 - Data dictionary
177. _____ is a communication medium where data are transformed into light pulses.
- Twisted-pair cable
 - Optical fibre
 - Coaxial cable
 - Copper cable
 - Satellite
178. _____ is a computer with a Web server that serves the pages for one or more websites.
- Portal
 - Backbone
 - Gateway
 - Host
 - Business Service Provider
179. The database management software creates and reads the data dictionary to ascertain what _____ exist and checks to see if specific users have the proper access rights to view them.
- Data element definitions
 - Schema objects
 - Meta data
 - Reference keys
 - Metadata and data element definitions

180. The foreign key is not necessarily the _____ in its current table.
- (a) Report generator (b) foreign key
(c) Primary key (d) Data dictionary
(e) Schema objects
181. Hierarchical databases do not use _____ as relational databases do for searching procedures.
- (a) Indexes (b) Primary key
(c) Database dictionary (d) Rows and Columns
(e) Foreign Key
182. A/an _____ can shield electronic equipment from power spikes.
- (a) UPS (b) surge protector
(c) Firewall program (d) Encryption program
(e) Antivirus
183. If there are no functional dependencies between two (or more) non-primary key attributes, this describes _____.
- (a) Third normal form (b) Fifth normal form
(c) Second normal form (d) First normal form
(e) Fourth normal form
184. _____ is a special field value, distinct from 0, blank or any other value, that indicates that the value for the field is missing or otherwise unknown.
- (a) BLOB value (b) Designated value
(c) Null value (d) Hashed value
(e) Nonspecific value
185. The concept of 'zero administration' is associated with _____.
- (a) Desktop computers (b) Mini computers
(c) PDAs and organizers (d) Portable computers
(e) Network computers
186. Collecting personal information and effectively posing as another individual is a crime known as _____.
- (a) Spoofing (b) Identity theft
(c) Hacking (d) Personality theft
(e) Spooling
187. A relational database model uses _____ to contain and organize information.
- (a) Records and fields
(b) Image, audio, documents
(c) Columns and rows
(d) Foreign key
(e) Data dictionary
188. Which of the following forms is used specifically to identify the entity created when encapsulating data inside data link layer headers and trailers?
- (a) Packet (b) Segment
(c) Data (d) Chunk
(e) Frame
189. Which of the following is a valid class declaration in C++?
- (a) class B { }
(b) public class A { }
(c) Class B { } and public class A { }
(d) Class A {int x};
(e) Object A {int x};
190. _____ is a device that has been customized to perform few specialized computing tasks well with minimal effort.
- (a) Dedicate appliance (b) Information appliance
(c) Shopping bot (d) Server appliance
(e) Substandard device
191. A good example of an operating system that makes your computer function and controls the working environment is _____.
- (a) Microsoft Account (b) File Explorer
(c) Microsoft Office 2013 (d) Windows 8
(e) Task Manager
192. _____ are used to refer to Java methods or variables that belongs to other classes.
- (a) Simple names (b) Keywords
(c) External names (d) Qualified names
(e) Method calls
193. Which connectionless protocol is used for its low overhead and speed?
- (a) ARP (b) TCP and ARP
(c) ICMP (d) UDP
(e) TCP
194. Which spread spectrum technology does the B02.11b standard define for operation?
- (a) IR, FHSS and DSSS (b) DBSS
(c) DSSS and FHSS (d) FHSS
(e) IR
195. Which of the following ensures that only authorized users can use or apply specific software applications?
- (a) Service level agreement
(b) Access log
(c) Dongle
(d) Private key
(e) Authorized program analysis report
196. _____ is an attempt to make a machine or network resource unavailable to its intended users, such as to temporarily or indefinitely interrupt or suspend services of a host connected to the internet due to bombardment of fake traffic.

- (a) Cracking
- (b) A Trojan horse
- (c) A virus
- (d) A denial of service attack
- (e) A worm

197. Which of the following best supports communication availability, acting as a countermeasure to the vulnerability of component failure?

- (a) Integrated corrective network controls
- (b) Simple component redundancy
- (c) High network throughput rate
- (d) Careful network monitoring with a dynamic real-time alerting system
- (e) Other than those given as options

198. Data transmission technologies vary. Which one does Ethernet use?

- (a) CSMA/CS
- (b) CSMA/CA or CSMA/CS
- (c) CSMA/CD
- (d) CSNA/CD
- (e) CSMA/CA

199. Applications communicate with kernel by using

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- (a) Unit calls
 - (b) Shell script
 - (c) System calls
 - (d) Shell
 - (e) C Programs

200. In which of the following office applications, can you name a file at the same time you create it?

- (a) Access
- (b) PowerPoint
- (c) Paint
- (d) Word
- (e) Excel