



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATION AND INNOVATIVE SYSTEM

**BACHOLER OF BUSINESS ADMINISTRATION-FINANCE/ACCOUNTIN/ BED
ARTS/BED SCIENCE/SNE**

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YEAR 3RD SEMESTER 1

MAIN CAMPUS

COURSE CODE: ITB 9301

COURSE TITLE: Internet Computing

EXAM VENUE: MAIN STREAM: BBA/EDU SCI/EDU ARTS/SNE

TIME: 2HOURS

INSTRUCTIONS

- 1. Answer question ONE (compulsory) and any other Two questions.*
- 2. Candidates are advised not to write on the question paper*
- 3. Candidates must hand in their answer booklet to the invigilator while in the examination room*
- 4. No mobile devices (e.g., laptops, phones. etc.) are allowed into the Examination Room*
- 5. This paper consists of 41 printed pages*

1. The internet, sometimes called simply “Net” is
 - (a) a huge network of networks that joins [computers](#) from all across the world.
 - (b) an internal communication system
 - (c) a communication system for the government.
 - (d) All of the above

2. The interconnection of networks all across the world is known as
 - (a) Communication
 - (b) Internet
 - (c) Web page
 - (d) Ethernet

3. The concept of the internet was originated in
 - (a) 1970
 - (b) 1969
 - (c) 1971
 - (d) 1981

4. The origin of the internet was developed from the concept of
 - (a) Microsoft
 - (b) IBM
 - (c) ARPANET
 - (d) Web

5. In 1969, ARPANET was developed by which country?
 - (a) France
 - (b) England
 - (c) USA
 - (d) Russia

6. What is the full form of internet?
 - (a) InterContinental Network
 - (b) Internal Network
 - (c) Interconnected Network
 - (d) International Network

7. What is the major use of internet?
 - (a) Sharing data and information
 - (b) Browsing webpages
 - (c) Sending and receiving emails
 - (d) Social networking
 - (e) All of the above

8. The transmission of a file from one computer system to another computer or to a server so that others can see or retrieve it is called

- (a) downloading
- (b) sharing
- (c) uploading
- (d) sending file

9. The transmission of a file to our computer from the internet is called

- (a) uploading
- (b) downloading
- (c) receiving file
- (d) saving

10. Each computer on a network is recognized by a unique

- (a) IP address
- (b) HTTP
- (c) HTTPS
- (d) www

Answer: (a), IP stands for Internet Protocol.

11. A computer communicates with other computers on the internet through

- (a) IP
- (b) TCP/IP
- (c) HTTPS
- (d) Web browser

12. What is the full form of HTML?

- (a) High Transfer Machine Language
- (b) High Transmission Markup Language
- (c) Hyper Text Markup Language
- (d) Hypermedia Markup Language

13. A set of rules followed by each computer present on a network is called

- (a) Web
- (b) HTTP
- (c) Domain
- (d) Protocol

14. Inventor of www (World wide web) is

- (a) Bill Gates
- (b) Lee. N. Feyong
- (c) Tim Berners Lee
- (d) Tom Berners Lee

15. Internet is governed by several voluntary organizations such as
- (a) IAB (Internet Architecture Board)
 - (b) IETF (Internet Engineering Task Force)
 - (c) Inter NIC
 - (d) All of the above
16. What is the full form of W3C?
- (a) World Wide Web Communication
 - (b) World Wide Web Cyber
 - (c) World Wide Web Consortium
 - (d) World Web Wide Consortium
17. A that contains billions of documents in the form of webpages, is one of the most popular services on the internet.
- (a) Web
 - (b) Web internet
 - (c) Telnet
 - (d) FTP
18. To access a webpage, an URL is required. What is the full form of URL?
- (a) Uniform Resource Locator
 - (b) Universal Resource Locator
 - (c) Universal Resource Line
 - (d) Uniform Resource Line
19. A world wide web contains billions of webpages
- (a) residing in several [computers](#)
 - (b) created using HTML
 - (c) residing in many [computer](#) systems linked together using HTML
 - (d) Both b and c
20. An interconnected network exclusively used within organizations such as banking, business firms, etc that uses web technologies for sharing data or information internally is called
- (a) Protocol
 - (b) Intranet
 - (c) Internet
 - (d) hypertext
21. A computer network that is used to controlled access from outside of an organization's intranet is called
- (a) Intranet
 - (b) Frame
 - (c) Extranet
 - (d) ISP

22. A software program that is used to view web pages is called
- (a) site
 - (b) host
 - (c) link
 - (d) browser
23. Every computer machine host on the internet network has
- (a) similar IP address
 - (b) unique 15-digit number
 - (c) unique IP address
 - (d) the same IP address
24. An identifier that sends and receives information across the Internet is called
- (a) IP address
 - (b) www
 - (c) Network
 - (d) URL
25. Which of the following statement is not correct about IP address?
- (a) IP address is always unique for each computer.
 - (b) An IP address consists of four bytes (or 32 bits) each of which can be a number from 0 to 255.
 - (c) For browsing or sending an email, an IP address assigned to the computer is required.
 - (d) All are correct
26. Which IP addresses are mostly used by [web, email](#), and gaming [servers](#)?
- (a) Dynamic
 - (b) Static
 - (c) MAC
 - (d) Both a and b
27. Which IP addresses are mostly used by companies, and business firms?
- (a) Static
 - (b) MAC
 - (c) Dynamic
 - (d) Both b and c
28. Who is known as the father of Wikipedia?
- (a) John Smith
 - (b) Albert Brown
 - (c) Jimmy Wells
 - (d) Stephen Hawkins

29. Which of the following plays an important role in developing common protocols for the evolution of www?

- (a) Internet
- (b) WWW Consortium
- (c) Internet Architecture Board
- (d) None of these

30. Which device is required to establish an internet connection on a computer?

- (a) Modem
- (b) Router
- (c) ISP
- (d) Both a and b

31. A device that is used to convert digital signals (or data) into analog signals and vice versa is called

- (a) Keyboard
- (b) Router
- (c) Modem
- (d) Light pen

32. What is the full form of ISP?

- (a) International Service Provider
- (b) Internet Service Provider
- (c) Ithernet Service Provider
- (d) Intra Service Provider

33. Internet address is a

- (a) 8-bit number
- (b) 16-bit number
- (c) 32-bit number
- (d) None of these

34. In HTTPS, S means

- (a) Secret
- (b) Secure
- (c) Socket
- (d) Software

35. Which device is required to connect multiple computers on the same internet network?

- (a) Modem
- (b) Hotspots
- (c) IAP
- (d) Router

36. What is the full form of NIC?

- (a) Network Interconnection Card
- (b) Network Internet Card
- (c) Network Interface Card
- (d) Network Intra Card

37. A unique name used in the URLs that identify website is called

- (a) domain name
- (b) IP
- (c) TCP
- (d) Host

38. A collection of publicly accessible, interlinked web pages that share a common domain name is called

- (a) website
- (b) web content
- (c) hypertext
- (d) Search engine

39. Which of the following statement is not correct about the webpage?

- (a) Webpage is a document that is displayed in the web browser on www.
- (b) Static webpage contains fixed information to visitors that are not frequently changed.
- (c) In a dynamic webpage, information frequently changes.
- (d) All of the above are correct.

40. What is the full form of DNS in a [computer](#) network?

- (a) Domain Name System
- (b) Decimal Number System
- (c) Domain Numeric System
- (d) Dual Name System

41. In a computer, .com, .edu, .gov, and .net are the examples of

- (a) tag
- (b) protocol
- (c) top level domain extension
- (d) IP address

42. Which of the following domain extension is not abbreviated for the country?

- (a) .in
- (b) .us
- (c) .com
- (d) .uk

43. Internet differentiate one computer from another computer on the basis of

- (a) extension
- (b) domain name

(c) IP address

(d) TCP

Answer: (c), domain name is the text version of IP address.

44. Which of the following domain name is used for an educational institution?

(a) .com

(b) .in

(c) .edu

(d) .inst

45. A computer that is used to store data or information for users on the internet is called

(a) web [server](#)

(b) web client

(c) web database

(d) web application

46. A protocol in the URL “https://www.scientecheasy.com” is

(a) www

(b) HTTPS

(c) .com

(d) All of the above

47. Each computer connected to internet must have a unique IP address. The IP address is converted into

(a) a binary string

(b) alphanumeric string

(c) a domain name

(d) a hexadecimal string

48. Currently, the unique IP address (or Internet Address) is

(a) 6 bytes long

(b) 4 bytes long

(c) 8 bytes long

(d) 16 bits long

49. A small piece of data sent from a website and stored in the user’s web browser is called

(a) anonymous file

(b) cookie

(c) web page

(d) information

50. Which of the following is the nature of the cookie?

(a) Non-volatile

(b) Volatile

- (c) Transient
- (d) Intransient

51. The most widely used internet connections are

- (a) Dial-Up
- (b) Broadband (Broad Bandwidth)
- (c) DSL (Digital Subscriber Line)
- (d) Wireless connection
- (e) All of the above

52. Which of the following is not an internet connection?

- (a) Dail-Up
- (b) Cable
- (c) DSL
- (d) WWAN

53. The first dial-up connection was made in 1965 by

- (a) Lawrence G. Roberts
- (b) Robert Hook
- (c) Bill Gates
- (d) None of these

54. The most commonly used internet connection wirelessly are

- (a) Wireless (WiFi stand for Wireless Fidelity)
- (b) Mobile and Hotspots
- (c) Satellite
- (d) ISDN
- (e) All of the above

55. What is the full form of ISDN?

- (a) Internet Service Digital Network
- (b) Integrated Service Digital Network
- (c) Intranet Service Digital Network
- (d) International Service Digital Network

56. Which standard network protocol is used to transfer [computer](#) files from one host to another host over a TCP-based network, such as the Internet?

- (a) HTTPS
- (b) HTTP
- (c) IP
- (d) FTP

57. Which standard network protocol is used to communicate between web browser and web [server](#)?

- (a) FTP
- (b) HTTP

- (c) IP
- (d) NTTP

58. Which standard internet protocol provides secure data transmission between web server and browser with the help of encryption?

- (a) HTTP
- (b) HTTPS
- (c) TELNET
- (d) ARPANET

59. Which of the following protocol is used to connect to Usenet server and transfer newsgroup articles between systems over the internet?

- (a) FTP
- (b) NTTP
- (c) TCP
- (d) TCP/IP

60. Which of the following is used to connect the internet with a computer?

- (a) Router
- (b) Modem
- (c) Network Switch
- (d) Server

61. Which of the following is responsible for routing traffic from one to another network?

- (a) Modem
- (b) Hub
- (c) Network Router
- (d) Network Switch

62. A computer system, device, or program that is responsible for accepting HTTP requests from clients, serving back HTTP responses along with data to clients is called

- (a) Web
- (b) Network Hub
- (c) Web server
- (d) FTP

63. Which of the following is the most popular web server on the web?

- (a) Apache
- (b) Microsoft Internet Information Services (IIS)
- (c) Sun Java System Web Server
- (d) All of these

64. Suppose you have received an encrypted message and want to convert this message into the actual message (before encryption). Which technique you will use for it?

- (a) Conversion
- (b) Encryption
- (c) Decryption
- (d) Both a and c

information?

- (a) Authentication
- (b) Authorisation
- (c) Encryption
- (d) Decryption

66. Which of the following protocols is used in internet technology?

- (a) HTTPS
- (b) DHCP
- (c) DNS
- (d) All of the above

67. Which of the following protocol assigns an IP address to the client computer connected to the internet?

- (a) IP
- (b) RSVP
- (c) DHCP
- (d) RPC

68. What is the full form of MIME?

- (a) Multipurpose Internet Mail Extensions
- (b) Multipurpose Intra Mail Extensions
- (c) Multiple Internet Mail Extensions
- (d) Multiple purpose Internet Mail Email

69. The web server on the internet is also known as

- (a) hub
- (b) host
- (c) gateway
- (d) repeater

70. Which of the following is the most popular activity on the internet?

- (a) Shopping
- (b) Entertainment

- (c) Searching
- (d) Video calling

71. Physical or logical arrangement of network is _____

- a) Topology
- b) Routing
- c) Networking
- d) Control

72. Which network topology requires a central controller or hub?

- a) Star
- b) Mesh
- c) Ring
- d) Bus

73. _____ topology requires a multipoint connection.

- a) Star
- b) Mesh
- c) Ring
- d) Bus

74. Data communication system spanning states, countries, or the whole world is

- a) LAN
- b) WAN
- c) MAN
- d) PAN

75. Data communication system within a building or campus is _____

- a) LAN
- b) WAN
- c) MAN
- d) PAN

76. WAN stands for _____

- a) World area network
- b) Wide area network
- c) Web area network
- d) Web access network

View Answer

77. In TDM, slots are further divided into _____

- a) Seconds
- b) Frames
- c) Packets
- d) Bits

View Answer

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78. _____ is the multiplexing technique that shifts each signal to a different carrier frequency.

- a) FDM
- b) TDM
- c) Both FDM & TDM
- d) PDM

79. The three topologies associated with LANs are _____

- a) Mesh, Tree and Bus topology
- b) Tree, Circular and Ring topology
- c) Bus, Ring and Star topology
- d) Hybrid, Mesh and Star topology

80. A pseudo topology that combines a Star topology with either Ring or Bus topology is known as _____

- a) Router
- b) Hub
- c) Ethernet
- d) Switches

.
81. The Tree topology is employed in network using _____

- a) Routers
- b) LAN
- c) Switches
- d) WAN

82. _____ topology is a combination of two or more topologies.

- a) Star
- b) Hybrid
- c) Bus
- d) Ring

83. The two types of LAN deployed are _____ and _____

- a) Mesh based, Bus based
- b) Hybrid based, Star based
- c) Bus based, Ring based
- d) Ring based, Tree based

.
84. Bus Architecture is implemented in LANs using _____

- a) Address Resolution Protocol (ARP)
- b) Hypertext Transfer Protocol (HTTP)
- c) File Transfer Protocol (FTP)
- d) Ethernet Protocol

.
85. Token Ring and FDDI configurations use the _____ topology.

- a) ring

- b) star
- c) mesh
- d) bus

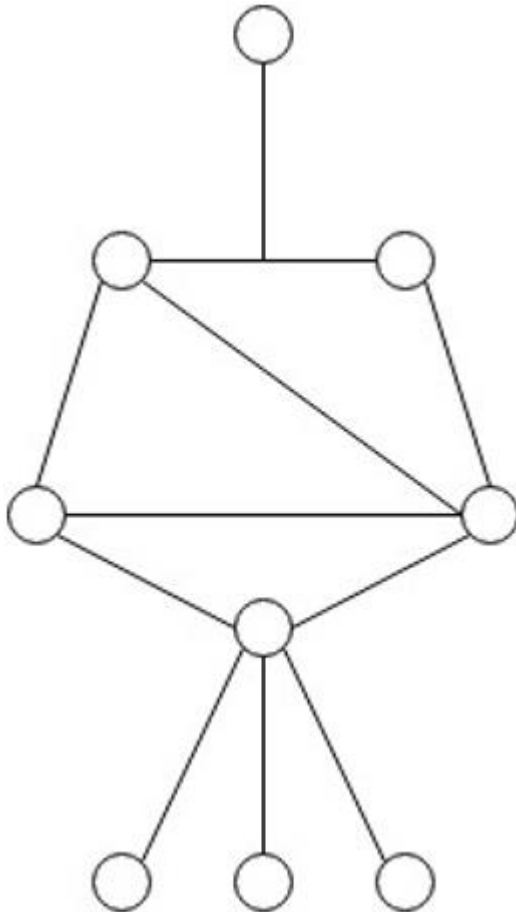
86. Which protocol is most frequently used in Star topology?

- a) Modem
- b) Cable
- c) DSL
- d) Ethernet

87. Linear network topology is more expensive than other topologies.

- a) True
- b) False

88. The diagram given below represents _____



- a) Fully connected topology
- b) Mesh topology
- c) Star topology
- d) Hybrid topology

89. FDDI can cover a much larger geographical area than Token Ring on copper.

- a) True
- b) False

90. WANs are configured using the _____ or the _____ topology.
- a) Bus, Tree
 - b) Mesh, Ring
 - c) Ring, Hybrid
 - d) Mesh, Tree
91. FDDI stands for _____
- a) Fiber Distributed Data Interface
 - b) First Digital Data Interface
 - c) Fast Data Distribution Index
 - d) Fiber Distributed Data Index
92. Ethernet protocol is specified by _____
- a) IEEE 802.2 standard
 - b) IEEE 802.3 standard
 - c) IEEE 802.5 standard
 - d) IEEE 802.11 standard
93. The Tree structure starts with a _____ node.
- a) Prime
 - b) Chief
 - c) Beginner
 - d) Header
94. In a Ring topology network, the data flows _____
- a) in one direction only
 - b) away from the tokens on the ring
 - c) in several directions
 - d) in a direction where the computers in a network are fully functional
95. In a network topology, when a data signal is transmitted, there are chances that this signal may bounce back to the device that has already carried the signal. In order to avoid this, we must use _____ at the end.
- a) cap
 - b) beret
 - c) end cap
 - d) terminator
96. Bridge is an example of a _____ device.
- a) Peripheral
 - b) Network navigation
 - c) Storage
 - d) Central connecting
97. Mesh topology is highly reliable.
- a) True

b) False

98. What are the parts of network structure?

- a) Workstation
- b) Gateway
- c) Laptop
- d) All of the mentioned

99. What is a valid network topology?

- a) Multiaccess bus
- b) Ring
- c) Star

100. What are sites in network topology compared?

- a) Basic cost
- b) Communication cost
- c) Reliability
- d) All of the mentioned

101. What are sites in network topology compared?

- a) Basic cost
- b) Communication cost
- c) Reliability
- d) All of the mentioned

102. Which of the following programming languages is commonly used for server-side scripting in web development?

- a) HTML
- b) CSS
- c) JavaScript
- d) PHP

103. Which of the following is used to read a HTML page and render it?

- a) Web server
- b) Web matrix
- c) Web browser
- d) None of the mentioned

104. Which of the following is a popular front-end framework for building user interfaces in JavaScript?

- a) Django
- b) Angular
- c) Flask
- d) Node.js

105. What application can one create even before the introduction of HTML5?

- a) Forms
- b) Browser based games
- c) Web applications
- d) Mobile applications

106. Which of the following is not associated with web socket communication?

- a) https
- b) wss
- c) http
- d) ws

107. What does <td> stand for?

- a) Table database
- b) Table data
- c) Table directory
- d) Table direct row

108. Which element is used to give title to a table?

- a) Caption
- b) Headline
- c) Title
- d) Heading

109. What are Forms in web programming?

- a) They are matrices on web page
- b) They are used to create Table data and its information
- c) They allow you to enter data which can be processed to servers
- d) They are the information filled by the server-side

111. What are Frames?

- a) They divide a webpage
- b) They are the type of borders used for a webpage
- c) They are the type of borders used by web browsers
- d) They divide the browser into two or more pieces or panes

112. Which HTML tag is used to create an ordered list in a webpage?

- a)
- b)
- c)
- d) and

113. Which HTML tag is used to create a form?

- a) <form>
- b) <input>

- c) <select>
- d) <textarea>

114. Which of the following property is used to control the space between the border and content in a table?

- a) border
- b) padding
- c) margin
- d) resize

115. Which element was not removed by HTML5?

- a) <strike>
- b) <center>
- c) <small>
- d) <big>

116. Which of the following is not semantic element for text in HTML5?

- a) <mark>
- b) <time>
- c) <wbr>
- d) <article>

117. Which tag supports Non-English language?

- a) <input>
- b) <audio>
- c) <embed>
- d) <bdo>

118. What is the correct syntax of doctype in HTML5?

- a) <!doctype html>
- b) <doctype html!>
- c) <doctype html>
- d) </doctype html>

119. What if one does not use the doctype in the starting of HTML document?

- a) Browser finds the document in quirky mode
- b) Browser finds a document in standard mode
- c) Browser stops working
- d) Browser crashes after showing the page

120. What is the JavaScript keyword used to define a function?

- a) var
- b) function
- c) let
- d) const

121. Which CSS property is used to specify the width of an element?
- padding
 - margin
 - height
 - width
122. Which of the following is the *local method* for improving recall of an information retrieval system?
- Query expansion
 - Relevance feedback
 - Ontology based model
 - None of the above
123. The process of removing most common words (and, or, the, etc.) by an information retrieval system before indexing is known as
- Lemmatization
 - Stop word removal
 - Inverted indexing
 - Normalization
124. Which one of the following refers to querying the unstructured textual data?
- Information access
 - Information update
 - Information retrieval
 - Information manipulation
125. What is KDD in data mining?
- Knowledge Discovery Database
 - Knowledge Discovery Data
 - Knowledge Data definition
 - Knowledge data house
126. Which of the following also used as the first step in the knowledge discovery process?
- Data selection
 - Data cleaning
 - Data transformation
 - Data integration
127. What is the minimum number of computers needed for a computer network?
- A.
 - 1.
 - B.
 - 2.
 - C.
 - 5.

D.
10.

128. What is a privately-owned network whose access is restricted to authorized personnel is called?

A.
Homogeneous network.

B.
Internetwork.

C.
Intranetwork.

D.
Local area network (LAN).

129. What is a communications network that serves users within a confined geographical area?

A.
Global area network (GAN).

B.
Local area network (LAN).

C.
Metropolitan area network. (MAN).

D.
Wide area network. (WAN).

130. What type of communications network links a broad geographical region?

A.
Global area network (GAN).

B.
Local area network (LAN).

C.
Metropolitan area network. (MAN).

D.
Wide area network. (WAN).

131. How many users are normally in a peer-to-peer network?

A.
2-10.

B.
10-50.

C.
50-250.

D.
250-1,000.

132. What is used to identify network nodes on a physically connected network?

A.

Media access control address.

B.

Network server name.

C.

Subnet mask address.

B.

Network server name.

C.

Subnet mask address.

D.

Node serial number.

133. What is e-mail?

- A. Method of exchanging messages via electronic devices
- B. Speed message transfer to location
- C. Musical messaging service
- D. None of these

134. E-mail stands for?

- A. Electrical mail
- B. Electronic messaging service
- C. Electronic mail
- D. All of these

135. Which of these is a non-profit domain?

- A. .com
- B. .in
- C. .org
- D. All of these

136 Where are Emails received or sent to users?

- A. Physical Address
- B. E-mail Address
- C. Website Location
- D. None of these

137. Which of these is correct email address?

- A. userName@website@com
- B. userName.website.com
- C. userName.website@com
- D. userName@website.com

138. Which of these is an e-mail provider?

- A. G-mail
- B. Hotmail
- C. Yahoo
- D. All of these

139. The "S" in HTTPS stands for?

- A. Selected
- B. Secure
- C. Software
- D. System

140. "@" in an email address is used to ____.

- A. Separate username from ISP
- B. Create password for email
- C. Add strength to email
- D. None of these

141. Which of the following is not a channel of mozilla?

- a) Firefox
- b) Firefox alpha
- c) Firefox Beta
- d) Firefox Aurora

142. Google Chrome has its own task manager, which allows you to view and manage your memory and CPU usage.

- a) True
- b) False

143. Which of the following are automatically loaded and operates as a part of browser?

- a) Add-ons
- b) Plug-ins
- c) Utilities
- d) Widgets

144. Which of the following allows user to view a webpage?

- a) Operating System
- b) Website
- c) Interpreter
- d) Internet Browser

145. What is DOM?

- a) Hierarchy of objects in ASP.NET
- b) Application programming interface
- c) Convention for representing and interacting with objects in html documents
- d) Language dependent application programming

146. `<meta http-equiv="X-UA-Compatible" content="IE=8">` is used to _____

- a) make web page compatible only with IE8
- b) mimic behaviour of IE8
- c) make web page incompatible only with IE8
- d) make web page compatible with IE7 and IE8

The Most Important 30 multiple-choice questions about robotics along with their answers:

147. What is the primary goal of robotics?

- A. To study insects
- B. To enhance human abilities
- C. To explore deep space
- D. To improve weather forecasting

148. Which programming language is commonly used in robotics?

- A. Java
- B. Python
- C. C++
- D. All of the above

149. What does AI stand for in the context of robotics?

- A. Advanced Interface
- B. Artificial Invention
- C. Automated Interaction
- D. Artificial Intelligence

150. Which sensor is commonly used for detecting obstacles in robotics?

- A. Gyroscope
- B. Accelerometer

- C. Infrared Sensor
- D. Sonar Sensor

151. What is the purpose of a gripper in robotics?

- A. To provide locomotion
- B. To manipulate objects
- C. To process visual data
- D. To generate power

152. What does SLAM stand for in robotics?

- A. Spatial Learning and Mapping
- B. Simultaneous Localization and Mapping
- C. Systematic Learning and Adaptation Module
- D. Sensory Logic for Autonomous Machines

153. What is ROS in the context of robotics?

- A. Robotic Operating System
- B. Remote Observation System
- C. Robot Object System
- D. Robotic Organization Standard

154. Which type of robot is designed to operate underwater?

- A. Aerial Robot
- B. Submersible Robot
- C. Humanoid Robot
- D. Industrial Robot

155. What is the primary function of a LiDAR sensor in robotics?

- A. Object manipulation
- B. Navigation and mapping
- C. Tactile feedback
- D. Speech recognition

156. What is the primary goal of swarm robotics?

- A. Enhancing individual robot capabilities
- B. Achieving collective behavior through cooperation
- C. Reducing robot complexity
- D. Minimizing energy consumption

157. What is the primary challenge addressed by soft robotics?

- A. Improving computational efficiency
- B. Enhancing robot speed
- C. Adapting to complex and dynamic environments
- D. Increasing payload capacity

158. Which type of sensor is commonly used for detecting distance in robotics?

- A. Gyroscope
- B. Accelerometer

- C. Ultrasonic Sensor
- D. Camera

159. What is the purpose of the term “Degrees of Freedom” in robotics?

- A. The number of axes a robot can rotate around
- B. The accuracy of a robot’s sensors
- C. The processing speed of a robot
- D. The range of motion of a robot’s gripper

160. Which type of robot is designed for assembly line tasks in manufacturing?

- A. Aerial Robot
- B. Industrial Robot
- C. Surgical Robot
- D. Search and Rescue Robot

161. What is the primary purpose of the PID controller in robotics?

- A. Object recognition
- B. Path planning
- C. Motion control
- D. Energy management

162. What is the primary advantage of parallel robotics systems?

- A. Increased speed
- B. Greater payload capacity
- C. Enhanced energy efficiency
- D. Improved accuracy and precision

163. What is the significance of the term “End effector” in robotics?

- A. The final stage of robot development
- B. The part of the robot that interacts with the environment
- C. A specialized programming language for robots
- D. The central processing unit of a robot

164. What is the primary function of actuators in robotics?

- A. To sense the environment
- B. To process data
- C. To control movement
- D. To store information

165. Which mathematical concept is essential for robot kinematics and dynamics?

- A. Algebra
- B. Calculus
- C. Geometry
- D. Statistics

166. What is the primary role of sensors in robotics?

- A. To generate power
- B. To detect and collect data from the environment
- C. To provide mobility
- D. To process visual information

167. What is the primary function of a robotic simulator?

- A. To generate power for the robot
- B. To simulate the robot's behavior in a virtual environment
- C. To control the robot's movement
- D. To process sensory data

168. Which type of robot is designed for tasks in outer space?

- A. Industrial Robot
- B. Aerial Robot
- C. Space Exploration Robot
- D. Humanoid Robot

169. What is the primary function of a robotic exoskeleton?

- A. To enhance human strength
- B. To replace human limbs
- C. To simulate animal behaviour
- D. To generate electrical power

170. What is the purpose of a robotic prosthetic limb?

- A. To control robot movement
- B. To replace a missing human limb
- C. To simulate human emotions
- D. To generate power

171. What is the primary role of haptic feedback in robotics?

- A. To simulate touch sensations
- B. To enhance visual perception
- C. To control robot movement
- D. To process auditory information

172. What is the potential ethical concern in robotics?

- A. Increased productivity
- B. Loss of jobs due to automation
- C. Advancements in medical robotics
- D. Improved efficiency in manufacturing

173. Who is the father of Computers?

- a) James Gosling

- b) Charles Babbage
- c) Dennis Ritchie
- d) Bjarne Stroustrup

174. Which of the following is the correct abbreviation of COMPUTER?

- a) Commonly Occupied Machines Used in Technical and Educational Research
- b) Commonly Operated Machines Used in Technical and Environmental Research
- c) Commonly Oriented Machines Used in Technical and Educational Research
- d) Commonly Operated Machines Used in Technical and Educational Research

175. Which of the following is the correct definition of Computer?

- a) Computer is a machine or device that can be programmed to perform arithmetical or logic operation sequences automatically
- b) Computer understands only binary language which is written in the form of 0s & 1s
- c) Computer is a programmable electronic device that stores, retrieves, and processes the data
- d) All of the mentioned

176. What is the full form of CPU?

- a) Computer Processing Unit
- b) Computer Principle Unit
- c) Central Processing Unit
- d) Control Processing Unit

177. Which of the following language does the computer understand?

- a) Computer understands only C Language
- b) Computer understands only Assembly Language
- c) Computer understands only Binary Language
- d) Computer understands only BASIC

178. Which of the following computer language is written in binary codes only?

- a) pascal
- b) machine language
- c) C
- d) C#

179. Which of the following is the brain of the computer?

- a) Central Processing Unit
- b) Memory
- c) Arithmetic and Logic unit
- d) Control unit

180. Which of the following is not a characteristic of a computer?

- a) Versatility
- b) Accuracy
- c) Diligence

d) I.Q.

181. Which of the following is the smallest unit of data in a computer?

- a) Bit
- b) KB
- c) Nibble
- d) Byte

182. How many layers does the OSI model have?

- A. 5
- B. 6
- C. 7
- D. 10

183. What is an email sent to multiple recipients at once called?

- A. Creator email
- B. Bulk email
- C. Digital marketing
- D. None of these

184. Which of the following is not a type of computer code?

- a) EDIC
- b) ASCII
- c) BCD
- d) EBCDIC

185. Which of the following part of a processor contains the hardware necessary to perform all the operations required by a computer?

- a) Controller
- b) Registers
- c) Cache
- d) Data path

186. Which of these are jargons in email?

- A. BTW
- B. RSN
- C. TIA
- D. All of these

187. Which of the following device use positional notation to represent a decimal number?

- a) Pascaline
- b) Abacus
- c) Computer
- d) Calculator

188. Which of the following is used in EBCDIC?

- a) Super Computers
- b) Mainframes
- c) Machine Codes

d) Programming

189. What is BCC in email?

- A. Block content creation
- B. Behind Content Copy
- C. Blind Carbon Copy
- D. None of these

190. Which of the following defines the assigned ordering among the characters used by the computer?

- a) Accumulation
- b) Sorting
- c) Collating Sequence
- d) Unicode

191. Which of these is required to send mail?

- A. Email id
- B. Image
- C. Link
- D. All of these

192. Which of the following is known as the interval between the instant a computer makes a request for the transfer of data from a disk system to the primary storage and the instance the operation is completed?

- a) Disk utilization time
- b) Drive utilization time
- c) Disk access time
- d) Disk arrival time

193. Which of the following devices provides the communication between a computer and the outer world?

- a) Compact
- b) I/O
- c) Drivers
- d) Storage

194. Which of the following are the input devices that enable direct data entry into a computer system from source documents?

- a) System Access devices
- b) Data acquiring devices
- c) Data retrieving devices
- d) Data Scanning devices

.

195. Which of the following is the device used for converting maps, pictures, and drawings into digital form for storage in computers?

- a) Image Scanner
- b) Digitizer
- c) MICR
- d) Scanner

196. Which of the following can access the server?

- a) Web Client
- b) User
- c) Web Browser
- d) Web Server

197. Which of the following is known as the language made up of binary-coded instructions?

- a) High level
- b) BASIC
- c) C
- d) Machine

198. Which of the following package allows individuals to use personal computers for storing and retrieving their personal information?

- a) Personal assistance package
- b) Graphics package
- c) Spreadsheet package
- d) Animation package

199. Which of the following is created when a user opens an account in the computer system?

- a) SFD
- b) MFD
- c) Subdirectory
- d) RFD

198. Which of the following is a technique that marked the beginning of computer communications?

- a) User Environment
- b) Batch Environment
- c) Time Sharing
- d) Message passing

199. Which of the following is a type of technique in which dumb terminals are connected to a central computer system?

- a) Time Sharing
- b) Message passing
- c) Batch environment

d) User environment

200. Which of the following service allows a user to log in to another computer somewhere on the Internet?

- a) e-mail
- b) UseNet
- c) Telnet
- d) FTP

201. Which of the following is not a type of computer on the basis of operation?

- a) Digital
- b) Analog
- c) Hybrid
- d) Remote

202. Which of the following type of computer is mostly used for automatic operations?

- a) analog
- b) digital
- c) hybrid
- d) remote

203. Which of the following invention gave birth to the much cheaper microcomputers?

- a) PDAs
- b) Microprocessors
- c) Microcomputers
- d) Mainframes

204. Which of the following computers are lower than mainframe computers in terms of speed and storage capacity?

- a) Mainframes
- b) Hybrid
- c) Mini
- d) Super

205. Which of the following is the first neural network computer?

- a) AN
- b) AM
- c) RFD
- d) SNARC

206. Category of software that comprises word processing, graphics, databases etc.

- a) System
- b) Application

- c) General purpose
- d) OS

207. There are two basic structures in text documents.

- a) True
- b) False

208. MS-Word comes under _____

- a) Document production
- b) Graphics
- c) Databases
- d) Numerical Analysis

209. What does XML stand for?

- A. Extra Multiplicative logic
- B. Extensible markup language
- C. Export markup language
- D. None of these

210. In text documents, a structure which stays the same no matter how the document is represented.

- a) Logical
- b) Smart
- c) Nano
- d) Physical

211. When the document gets put out : the best fit is calculated from _____ structure.

- a) Logical
- b) Smart
- c) Nano
- d) Physical

212. This can change the physical structure of the document.

- a) Font
- b) Formatting
- c) Approach
- d) Debug

213. An example of e-mail utility.

- a) Word
- b) Outlook
- c) Explorer
- d) Excel

214. A structure that is system- dependent.

- a) Logical
- b) Smart

- c) Nano
- d) Physical

215. The _____ in a document and the order in which it is presented is referred to as the document's logical structure.

- a) data
- b) information
- c) features
- d) functions

216. The technology that has the ability to interact with the world.

- a) AI
- b) ML
- c) IOT
- d) IT

217. The goal of AI is to build systems that exhibit intelligent behaviour.

- a) True
- b) False

[View Answer](#)

218. The first neural network computer.

- a) RFD
- b) SNARC
- c) AM
- d) AN

219. A hardware-based system that has autonomy, social ability and reactivity.

- a) AI
- b) Autonomous Agent
- c) Agency
- d) Behaviour Engineering

220. A particular system that contains intelligent agents.

- a) AI systems
- b) Agency
- c) Autonomous systems
- d) Company

221. A methodology used to develop behavior-based autonomous agents.

- a) Descriptors
- b) Behavior engineering
- c) Behavior modeling
- d) Auto engineering

222. An international research effort to promote autonomous robots.

- a) Fresh Kitty
- b) RoboCup
- c) AICup
- d) SPOT

223. A type of non-monotonic reasoning.

- a) Ordinary
- b) Special
- c) Duplicate
- d) Default

224. The performance of an agent can be improved based on this.

- a) Observe
- b) Learn
- c) Improvise
- d) Implement

225. Face recognition system is based on _____

- a) applied AI
- b) parallel AI
- c) serial AI
- d) strong AI

226. A network of physical objects or things embedded with electronics or softwares.

- a) AI
- b) ML
- c) IOT
- d) Internet

[View Answer](#)

227. RFID is a part of IoT.

- a) True
- b) False

.

228. RFID stands for?

- a) Random frequency identification
- b) Radio frequency identification
- c) Random frequency information
- d) Radio frequency information

229. Which of the following is not involved in working of IoT?

- a) RFID
- b) Sensor
- c) Nano tech
- d) Server

230. Making the smaller and smaller things have the ability to connect and interact.

- a) Micro Tech
- b) Smart tech
- c) Nano tech
- d) RFID

231. Wi-Fi stands for?

- a) Wireless fidelity
- b) Wireless Flexibility
- c) Wide Fidelity
- d) WAN Flexibility

232. Diagnostics service for Cars.

- a) MIPS
- b) AutoBot
- c) IoT Assistant
- d) IoT

233. The father of IoT.

- a) Kevin Atrun
- b) Kevin Atrhur
- c) Kevin Ashton
- d) Kevin Thomas

234. Collect->Communicate->_____ ->Act

- a) Acknowledge
- b) Analyze
- c) Examine
- d) Rectify

.

235. Several instructions execution simultaneously in?

- a) processing
- b) parallel processing
- c) serial processing
- d) multitasking

236. WTLS stands for?

- a) Wireless Transport Security Layer
- b) Wireless Transfer System Layer
- c) Wireless Transfer Security Layer
- d) Wireless Transport System Layer

237. The protocol designed to make the security of wireless LAN as good as that of wired LAN.

- a) WTLS
- b) WEP
- c) RSN

d) WP

238. A program created by Farmer and Venema for auditing capability.

- a) SAAS
- b) SATAN
- c) SAN
- d) SAT

239. A small program that changes the way a computer operates.

- a) Worm
- b) Trojan
- c) Bomb
- d) Virus

240. A program that copies itself.

- a) Worm
- b) Virus
- c) Trojan
- d) Bomb

241. An attack in which the site is not capable of answering valid request.

- a) Smurfing
- b) Denial of service
- c) E-mail bombing
- d) Ping storm

242. Creating a computer or paper audit that can help detect wrong doings.

- a) Auditing
- b) Validation
- c) RSN
- d) Verification

243. An indirect form of surveillance.

- a) Honey pot
- b) Logical
- c) Security
- d) Intrusion

244. A malicious code hidden inside a seemingly harmless piece of code.

- a) Worm
- b) Bomb
- c) Trojan Horse
- d) Virus

245. Attack in which a user creates a packet that appears to be something else.

- a) Smurfing

- b) Trojan
- c) E-mail bombing
- d) Spoofing

246. A technique in which a program attacks a network by exploiting IP broadcast addressing operations.

- a) Smurfing
- b) Denial of service
- c) E-mail bombing
- d) Ping storm

247. An attack in which the user receives unwanted amount of e-mails.

- a) Smurfing
- b) Denial of service
- c) E-mail bombing
- d) Ping storm

248. XML stands for?

- a) Extensions Made Language
- b) Extensible Markup Language
- c) Extensible Major Language
- d) Extensible Minor Language

249. AAA stands for Anonymous Administrative Authority.

- a) True
- b) False

250. API is?

- a) Advanced Processing Information
- b) Application Processing Information
- c) Application Programming interface
- d) Application Processing Interface

251. GSM stands for?

- a) Global System for Monitoring
- b) Graphical System for Mobile Telecommunications
- c) Graphical System for Monitoring
- d) Global System for Mobile Telecommunications

252. IN stands for?

- a) Input
- b) InterNet
- c) Intelligent Network

d) IntraNet

253. FTP stands for?

- a) File Text Protocol
- b) File Transfer Protocol
- c) Firm Transfer Protocol
- d) File Transplant Protocol

254. PDU stands for?

- a) Protocol Data Unit
- b) Professional Data Unit
- c) Protocol Distributed Unit
- d) Professional Distributed Unit

255. A tag similar to that of the bold tag.

- a)
- b) <cite>
- c) <code>
- d) <i>

256. ISP is?

- a) Intranet System Processing
- b) Internet Service Provider
- c) Intelligent System Processing
- d) Intranet Service Provider

.

257. NE stands for _____ element.

- a) name
- b) network
- c) new

257. Configuration where many independent computer systems are connected.

- a) Complex
- b) Distributed
- c) Cloud
- d) Incremental

258. Partial mesh is a highly flexible topology that can take a variety of very different configurations.

- a) True
- b) False

259. Components used for interconnecting dissimilar networks that use different communication protocols.

- a) Switches
- b) Gateways
- c) Routers

d) Bridges

260. A topology is a modified version of the basic star topology.

- a) network
- b) two-tiered
- c) bus
- d) ring

261. WANs that need to interconnect a very large number of sites.

- a) bus
- b) two-tiered
- c) three-tiered
- d) ring

262. A topology is a modified version of the basic star topology.

- a) network
- b) two-tiered
- c) bus
- d) ring

263. WANs that need to interconnect a very large number of sites.

- a) bus
- b) two-tiered
- c) three-tiered
- d) ring

264. Components that operate at the network layer of the OSI model.

- a) Switches
- b) Servers
- c) Routers
- d) Gateways

265. A topology that involves Tokens.

- a) Star
- b) Ring
- c) Bus
- d) Daisy Chaining

266. _____ operate at bottom two layers of the OSI model.

- a) Bridges
- b) Switches
- c) Models
- d) Modules

267. Connecting two or more networks to form a single network is called :

- a) Internetworking

- b) Intranetworking
- c) Interconnecting
- d) Intraconnectivity

.

268. OSI stands for?

- a) Open Site Interconnection
- b) Open System Interdependence
- c) Open System Interconnection
- d) Open Site Interdependence

269. A network that links many different types of computers all over the world.

- a) Intranet
- b) Internet
- c) Arpanet
- d) LAN

270. Internet was evolved from the basic ideas of ARPANET.

- a) True
- b) False

[View Answer](#)

271. A service that allows a user to log in into another computer somewhere on the Internet.

- a) Telnet
- b) FTP
- c) e-mail
- d) UseNet

272. An internet service that allows the user to move a file.

- a) FTP
- b) Telnet
- c) UseNet
- d) Time Sharing

273. Anonymous FTP files are called _____ accessible files.

- a) Privately
- b) Publicly
- c) Batch
- d) User

274. TCP stands for?

- a) Transmission control program
- b) Transmission control protocol
- c) Transfer control program
- d) Transfer control protocol

275. TCP stands for?

- a) Transmission control program
- b) Transmission control protocol
- c) Transfer control program
- d) Transfer control protocol

277. Any system that uses the HTTP protocol is called _____

- a) Web Browser
- b) Web Server
- c) WWW
- d) TCP/IP

278. Any computer that can access the server is called?

- a) Web Server
- b) Web Browser
- c) User
- d) Web Client

279. Allows the user to create and maintain a personal list of favorite URL addresses.

- a) Software
- b) Web Servers
- c) Web Browsers
- d) WWW

View Answer

.

280. URL stands for?

- a) Uniform Resource Locator
- b) Uniform Research Locator
- c) Uniform Resource Link
- d) Uniform Research Link

281. The web works on this model.

- a) Intranet
- b) Internet
- c) Client-Server
- d) Server

View Answer

282. In the Client-server model, the client receives a request from the server.

- a) True
- b) False

283. Which of the following is not a type of server?

- a) File
- b) Web
- c) Name

d) Browsers

284. A small data file in the browser.

- a) Cookie
- b) Web Server
- c) FTP
- d) Database

285. Any computer that can access the server is called?

- a) Web Server
- b) Web Browser
- c) User
- d) Web Client

286. Allows the user to create and maintain a personal list of favorite URL addresses.

- a) Software
- b) Web Servers
- c) Web Browsers
- d) WWW

287. SGML stands for?

- a) Standard Granted Markup Language
- b) System Generalized Markup Language
- c) Standard Generalized Markup Language
- d) System Granted Markup Language

288. Which of the following isn't a type of transmission mode?

- a) physical
- b) simplex
- c) full duplex
- d) half duplex

289. A transmission that generally involves dedicated circuits.

- a) simplex
- b) half duplex
- c) full duplex
- d) semi-duplex

290. A transmission mode that can transmit data in both the directions but transmits in only one direction at a time.

- a) simplex
- b) half duplex
- c) full duplex

d) semi-duplex

291. In a spreadsheet, letters are used to represent _____

- a) Cells
- b) Rows
- c) Columns
- d) Blocks

292. Which of the following is not a data type?

- a) Symbolic Data
- b) Alphanumeric Data
- c) Numeric Data
- d) Alphabetic Data

293. *@Ac# is a type of _____ data.

- a) Symbolic
- b) Alphanumeric
- c) Alphabetic
- d) Numeric

294. In 1969, ARPANET was developed by which country?

- (a) France
- (b) England
- (c) USA
- (d) Russia

295. Which of the following is not a valid representation in bits?

- a) 8-bit
- b) 24-bit
- c) 32-bit
- d) 64-bit

296. What is the major use of internet?

- (a) Sharing data and information
- (b) Browsing webpages
- (c) Sending and receiving emails
- (d) Social networking
- (e) All of the above

297. The transmission of a file from one computer system to another computer or to a server so that others can see or retrieve it is called

- (a) downloading
- (b) sharing
- (c) uploading
- (d) sending file

298. The transmission of a file to our computer from the internet is called

- (a) uploading
- (b) downloading
- (c) receiving file
- (d) saving

299. Each computer on a network is recognized by a unique

- (a) IP address
- (b) HTTP
- (c) HTTPS
- (d) www

300. A computer communicates with other computers on the internet through

- (a) IP
- (b) TCP/IP
- (c) HTTPS
- (d) Web browser