

# National Testing Agency

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## Computer Networks

<b>Group Number :</b>	1
<b>Group Id :</b>	94091884
<b>Group Maximum Duration :</b>	0
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<b>Show Attended Group? :</b>	No
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<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No

## Computer Networks-1

<b>Section Id :</b>	940918122
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory

<b>Number of Questions :</b>	50
<b>Number of Questions to be attempted :</b>	50
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	940918168
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 1 Question Id : 9409185608 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A computer consists of.....

1. A CPU
2. A memory
3. Input & Output units
4. A CPU, A Memory, I/O Units

**Options :**

94091821045. 1

94091821046. 2

94091821047. 3

94091821048. 4

**Question Number : 2 Question Id : 9409185609 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which electronic components are used in third generation computers?

1. Transistors
2. Integrated Circuits
3. Vacuum Tubes
4. VLSI Microprocessor

**Options :**

94091821049. 1

94091821050. 2

94091821051. 3

94091821052. 4

**Question Number : 3 Question Id : 9409185610 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

An Integrated circuit is .....

1. A powerful device
2. A small circuit
3. Circuit Fabricated on silicon chip
4. Connected Transistor

**Options :**

94091821053. 1

94091821054. 2

94091821055. 3

94091821056. 4

**Question Number : 4 Question Id : 9409185611 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

The Brain of computer is .....

1. LED
2. CRT
3. CPU
4. ALU

**Options :**

94091821057. 1

94091821058. 2

94091821059. 3

94091821060. 4

**Question Number : 5 Question Id : 9409185612 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A micro-processor directly understands ..... language

1. Binary
2. English
3. User
4. Hindi

**Options :**

94091821061. 1

94091821062. 2

94091821063. 3

94091821064. 4

**Question Number : 6 Question Id : 9409185613 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which is a device used for converting handwritten impressions into coded characters & positional coordinates for input to a computer?

1. Touch panel
2. Writing tablet
3. Wand
4. Mouse

**Options :**

94091821065. 1

94091821066. 2

94091821067. 3

94091821068. 4

**Question Number : 7 Question Id : 9409185614 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is NOT an operating system?

1. Linux
2. Microsoft Word
3. Windows 8
4. Mac Os X

**Options :**

94091821069. 1

94091821070. 2

94091821071. 3

94091821072. 4

**Question Number : 8 Question Id : 9409185615 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Mickey's per second is a unit of measurement for the speed and movement direction of a .....

1. Computer mouse
2. Arrow keystroke
3. Data transfer
4. Not a unit

**Options :**

94091821073. 1

94091821074. 2

94091821075. 3

94091821076. 4

**Question Number : 9 Question Id : 9409185616 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Primary tasks of the operating system is to take input from the user as a .....

1. Command
2. Images
3. Voice
4. File

**Options :**

94091821077. 1

94091821078. 2

94091821079. 3

94091821080. 4

**Question Number : 10 Question Id : 9409185617 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which is the most popular network service?

1. HTTP
2. FTP
3. E-mail
4. None of the option

**Options :**

94091821081. 1

94091821082. 2

94091821083. 3

94091821084. 4

**Question Number : 11 Question Id : 9409185618 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Transport layer is responsible for process-to-process delivery of the.....

1. Message
2. Entire Message
3. Half Message
4. None of the option

**Options :**

94091821085. 1

94091821086. 2

94091821087. 3

94091821088. 4

**Question Number : 12 Question Id : 9409185619 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

The network layer concerns with.....

1. bits
2. frames
3. packets
4. None of the option

**Options :**

94091821089. 1

94091821090. 2

94091821091. 3

94091821092. 4

**Question Number : 13 Question Id : 9409185620 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Radio frequency identification (RFID) is one of the method for.....

1. Signal Detection
2. Automatic Identification and Data Capture
3. Only Data Capture
4. None of the option

**Options :**

94091821093. 1

94091821094. 2

94091821095. 3

94091821096. 4

**Question Number : 14 Question Id : 9409185621 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A repeater is a connecting device that operates in the \_\_\_\_\_ layer of the Internet model.

1. Physical
2. Data link
3. Network
4. None of the option

**Options :**

94091821097. 1

94091821098. 2

94091821099. 3

94091821100. 4

**Question Number : 15 Question Id : 9409185622 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Name IEEE standard for Bluetooth

1. 802.11
2. 802.5
3. 802.8
4. None of the option

**Options :**

94091821101. 1

94091821102. 2

94091821103. 3

94091821104. 4

**Question Number : 16 Question Id : 9409185623 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What type of cable is used in optical communication lines?

1. CAT5e
2. CAT6
3. Fiber optic
4. Thicknet

**Options :**

94091821105. 1

94091821106. 2

94091821107. 3

94091821108. 4

**Question Number : 17 Question Id : 9409185624 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

InterExchange Network in PSTN Hierarchy provides .....

1. network access to the subscriber
2. the connection between local exchange networks
3. gateways to destinations outside of their respective countries
4. None of the option

**Options :**

94091821109. 1

94091821110. 2

94091821111. 3

94091821112. 4

**Question Number : 18 Question Id : 9409185625 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A type of modulation where the frequency of the carrier signal is modulated.

1. Phase modulation
2. Frequency modulation
3. Amplitude modulation
4. None of the option

**Options :**

94091821113. 1

94091821114. 2

94091821115. 3

94091821116. 4

**Question Number : 19 Question Id : 9409185626 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

The method of communication in which transmission takes place in both directions, but only in one direction at a time is called:.....

1. Simplex
2. Full duplex
3. Half duplex
4. None of the option

**Options :**

94091821117. 1

94091821118. 2

94091821119. 3

94091821120. 4

**Question Number : 20 Question Id : 9409185627 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which transmission media has the highest transmission speed in a network?

1. Coaxial cable
2. Twisted pair cable
3. Optical fiber
4. Electrical cable

**Options :**

94091821121. 1

94091821122. 2

94091821123. 3

94091821124. 4

**Question Number : 21 Question Id : 9409185628 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

How many layers are present in OSI Reference Model?

1. 5
2. 6
3. 7
4. None of the options

**Options :**

94091821125. 1

94091821126. 2

94091821127. 3

94091821128. 4

**Question Number : 22 Question Id : 9409185629 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

The fourth layer of the Open System Interconnection (OSI) reference model is .....

1. Session layer
2. Transport layer
3. Network layer
4. None of the options

**Options :**

94091821129. 1

94091821130. 2

94091821131. 3

94091821132. 4

**Question Number : 23 Question Id : 9409185630 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Network software is that designed to help set up, manage, and/or monitor-----.

1. Application Network
2. System Network
3. Computer Network
4. None of the options

**Options :**

94091821133. 1

94091821134. 2

94091821135. 3

94091821136. 4

**Question Number : 24 Question Id : 9409185631 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Data link layer in IEEE standard is divided into two sub layers of-----

1. MAC and ACKs
2. LAN and MAC
3. LLC and MAC
4. None of the options

**Options :**

94091821137. 1

94091821138. 2

94091821139. 3

94091821140. 4

**Question Number : 25 Question Id : 9409185632 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What does switch do in a Network?

1. Forward a packet to all outgoing links
2. Forwards data only to the port on which the destination system is connected
3. Determines on which link a packet is to be forwarded
4. None of the options

**Options :**

94091821141. 1

94091821142. 2

94091821143. 3

94091821144. 4

**Question Number : 26 Question Id : 9409185633 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following is not a Networking Device?

1. Hub
2. NIC
3. Linux
4. Switch

**Options :**

94091821145. 1

94091821146. 2

94091821147. 3

94091821148. 4

**Question Number : 27 Question Id : 9409185634 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

What is firewall in computer network?

1. The physical boundary of network
2. An operating system of computer network
3. A system designed to prevent unauthorized access
4. None of the options

**Options :**

94091821149. 1

94091821150. 2

94091821151. 3

94091821152. 4

**Question Number : 28 Question Id : 9409185635 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which one is a type of Networking?

1. WAN
2. Ethernet
3. Data Link
4. None of the options

**Options :**

94091821153. 1

94091821154. 2

94091821155. 3

94091821156. 4

**Question Number : 29 Question Id : 9409185636 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

In \_\_\_\_\_ technique, each node gets a chance to access the medium by rotation.

1. Polling
2. Token Passing
3. ALLOHA
4. None of the options

**Options :**

94091821157. 1

94091821158. 2

94091821159. 3

94091821160. 4

**Question Number : 30 Question Id : 9409185637 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Network Cards use\_\_\_\_\_.

1. PS\2 Connectors
2. USB Connector
3. RJ-45 Connectors
4. None of the options

**Options :**

94091821161. 1

94091821162. 2

94091821163. 3

94091821164. 4

**Question Number : 31 Question Id : 9409185638 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Network layer at source is responsible for creating a packet from data coming from another.....

1. Data
2. IP
3. Protocol
4. None of the options

**Options :**

94091821165. 1

94091821166. 2

94091821167. 3

94091821168. 4

**Question Number : 32 Question Id : 9409185639 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A \_\_\_\_ is a TCP name for a transport service access point.

1. Port
2. Pipe
3. Node
4. None of the options

**Options :**

94091821169. 1

94091821170. 2

94091821171. 3

94091821172. 4

**Question Number : 33 Question Id : 9409185640 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

FTP stands for,.....

1. File Turn Protocol.
2. File Transfer Protocol.
3. Fine Tune Protocol.
4. None of the options

**Options :**

94091821173. 1

94091821174. 2

94091821175. 3

94091821176. 4

**Question Number : 34 Question Id : 9409185641 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

HTTP is used to do which of the following?

1. Resolve Internet names to IP addresses
2. Provide remote access to servers and networking devices
3. Transfer files that make up the web pages of the World Wide Web
4. Transfer the mail messages and attachments

**Options :**

94091821177. 1

94091821178. 2

94091821179. 3

94091821180. 4

**Question Number : 35 Question Id : 9409185642 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

System 360, was a 3rd generation computer manufactured by :.....

1. UNIVAC
2. DEC
3. Control Data Corporation (CDC)
4. International Business Machines (IBM)

**Options :**

94091821181. 1

94091821182. 2

94091821183. 3

94091821184. 4

**Question Number : 36 Question Id : 9409185643 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

This layer provides services for file transfers, e-mail, and other network software services.

1. Physical layer
2. Data link layer
3. Presentation Layer
4. Application Layer

**Options :**

94091821185. 1

94091821186. 2

94091821187. 3

94091821188. 4

**Question Number : 37 Question Id : 9409185644 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... are more efficient than ..... and more desirable for today's network environments.

1. Switches, hubs
2. Hubs, routers
3. Switches, routers
4. Hubs, switches

**Options :**

94091821189. 1

94091821190. 2

94091821191. 3

94091821192. 4

**Question Number : 38 Question Id : 9409185645 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which of the following can be software?

1. Routers
2. Gateways
3. Firewalls
4. Hubs

**Options :**

94091821193. 1

94091821194. 2

94091821195. 3

94091821196. 4

**Question Number : 39 Question Id : 9409185646 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

In a ..... switching environment, the packet begins to be forwarded as soon as it is received.

1. cut-through
2. store-and-forward
3. fragment free
4. none of the options

**Options :**

- 94091821197. 1
- 94091821198. 2
- 94091821199. 3
- 94091821200. 4

**Question Number : 40 Question Id : 9409185647 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

-----software is a set of one or more programs designed to carry out operations for a specific application.

1. System
2. Application
3. Network
4. none of the options

**Options :**

- 94091821201. 1
- 94091821202. 2
- 94091821203. 3
- 94091821204. 4

**Question Number : 41 Question Id : 9409185648 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

A ..... is an information unit whose source and destination are network layer entities.

1. Frame
2. Datagram
3. Packet
4. none of the options

**Options :**

94091821205. 1

94091821206. 2

94091821207. 3

94091821208. 4

**Question Number : 42 Question Id : 9409185649 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... can be span to a whole country

1. WAN
2. MAN
3. LAN
4. none of the options

**Options :**

94091821209. 1

94091821210. 2

94091821211. 3

94091821212. 4

**Question Number : 43 Question Id : 9409185650 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

The most common protocol used by PCs for receiving mail is .....

1. POP3
2. SMTP
3. ICMP
4. UDP

**Options :**

94091821213. 1

94091821214. 2

94091821215. 3

94091821216. 4

**Question Number : 44 Question Id : 9409185651 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... is the non-profit organization, responsible for coordinating and publishing computer and information technology standards in the United States.

1. The IEEE (Institute of Electrical and Electronics Engineers)
2. American National Standards Institute (ANSI)
3. Information Technology Industry Council (ITIC)
4. National Committee for Information Technology (NCITS)

**Options :**

94091821217. 1

94091821218. 2

94091821219. 3

94091821220. 4

**Question Number : 45 Question Id : 9409185652 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... is responsible for sending bits from one computer to another

1. Transport layer
2. Network layer
3. Data link layer
4. Physical layer

**Options :**

94091821221. 1

94091821222. 2

94091821223. 3

94091821224. 4

**Question Number : 46 Question Id : 9409185653 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Which layer is responsible for managing network problems such as packet switching, data congestion and routing?

1. Transport layer
2. Network layer
3. Data link layer
4. Physical layer

**Options :**

94091821225. 1

94091821226. 2

94091821227. 3

94091821228. 4

**Question Number : 47 Question Id : 9409185654 Question Type : MCQ Option Shuffling : No Is**

**Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... is responsible for protocol conversion, character conversions, data encryption / decryption, expanding graphics commands and data compression.

1. Application layer
2. Presentation layer
3. Session layer
4. Transport layer

**Options :**

- 94091821229. 1
- 94091821230. 2
- 94091821231. 3
- 94091821232. 4

**Question Number : 48 Question Id : 9409185655 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

Copper wire is an example of:.....

1. twisted cable
2. coaxial cable
3. optical cable
4. none of the options

**Options :**

- 94091821233. 1
- 94091821234. 2
- 94091821235. 3
- 94091821236. 4

**Question Number : 49 Question Id : 9409185656 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... is analog multiplexing technique and it modulates many data streams on light spectrum.

1. Frequency Division Multiplexing.
2. Code Division Multiplexing.
3. Wavelength Division Multiplexing.
4. none of the options

**Options :**

- 94091821237. 1
- 94091821238. 2
- 94091821239. 3
- 94091821240. 4

**Question Number : 50 Question Id : 9409185657 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No**

**Correct Marks : 2 Wrong Marks : 0**

..... is an anti-virus fighter.

1. A retro virus
2. A stealth virus
3. An armored virus
4. A companion virus

**Options :**

- 94091821241. 1
- 94091821242. 2
- 94091821243. 3
- 94091821244. 4