



COA 302

B.A./B.Sc. Vth SEMESTER EXAMINATION, 2024-25

COMPUTER APPLICATION

(Internet & Web Technologies)

AFFIX PRESCRIBED
RUBBER STAMP

Paper ID

(To be filled in the
OMR Sheet)

Date (तिथि) : _____

1401

अनुक्रमांक (अंकों में) :

Roll No. (In Figures) :

अनुक्रमांक (शब्दों में) :

Roll No. (In Words) :

Time : 1:30 Hrs.

समय : 1:30 घण्टे

Max. Marks : 75

अधिकतम अंक : 75

नोट : पुस्तिका में 50 प्रश्न दिये गये हैं, सभी प्रश्न करने होंगे। प्रत्येक प्रश्न 1.5 अंक का होगा।

Important Instructions :

1. The candidate will write his/her Roll Number only at the places provided for, i.e. on the cover page and on the OMR answer sheet at the end and nowhere else.
2. Immediately on receipt of the question booklet, the candidate should check up the booklet and ensure that it contains all the pages and that no question is missing. If the candidate finds any discrepancy in the question booklet, he/she should report the invigilator within 10 minutes of the issue of this booklet and a fresh question booklet without any discrepancy be obtained.

महत्वपूर्ण निर्देश :

1. अभ्यर्थी अपने अनुक्रमांक केवल उन्हीं स्थानों पर लिखेंगे जो इसके लिए दिये गये हैं, अर्थात् प्रश्न पुस्तिका के मुख्य पृष्ठ तथा साथ दिये गये ओ०एम०आर० उत्तर पत्र पर, तथा अन्यत्र कहीं नहीं लिखेंगे।
2. प्रश्न पुस्तिका मिलते ही अभ्यर्थी को जाँच करके सुनिश्चित कर लेना चाहिए कि इस पुस्तिका में पूरे पृष्ठ हैं और कोई प्रश्न छूटा तो नहीं है। यदि कोई विसंगति है तो प्रश्न पुस्तिका मिलने के 10 मिनट के भीतर ही कक्ष परिप्रेक्षक को सूचित करना चाहिए और बिना त्रुटि की दूसरी प्रश्न पुस्तिका प्राप्त कर लेना चाहिए।

1. Which of the following protocols uses both TCP and UDP ?
 - (A) FTP
 - (B) SMTP
 - (C) TELNET
 - (D) DNS

2. A Device operating at network layer is called _____.
 - (A) Router
 - (B) Equalizer
 - (C) Bridge
 - (D) Repeater

3. Version 6 of IP Address has how many bits :
 - (A) 64 bits
 - (B) 128 bits
 - (C) 32 bits
 - (D) 256 bits

4. The network has 12 desktop computer and two servers that host a web based inventory application that all the employee connected to the same network switch, a firewall protects all computers and servers from external networks. Which type of network are you configuring ?
 - (A) Extranet
 - (B) WAN
 - (C) VPN
 - (D) Intranet

5. Internet works on _____.
- (A) Packet switching
 - (B) Circuit switching
 - (C) Data switching
 - (D) None
6. Which multiple access technique is used by IEEE 802.11 standard for wireless LAN ?
- (A) CDMA
 - (B) CSMA / CA
 - (C) ALOHA
 - (D) CSMA / CD
7. Which protocol assign IP address to the client connected in the internet ?
- (A) DHCP
 - (B) IP
 - (C) RSVP
 - (D) RPC
8. What is the use of carbon copy (cc) ?
- (A) Recipients are invisible to all of the other recipients of the message
 - (B) Recipients are invisible to one recipients of the message
 - (C) Recipient are visible to all of the other recipients of the message
 - (D) All

9. What is included in an Email address ?
- (A) Domain name followed by user's name
 - (B) User's name followed by domain name
 - (C) User's name followed by postal address
 - (D) User's name followed by street address
10. What is an encryption program or add-ons which provides. Cryptographic privacy and authentication for email communication ?
- (A) Powerful good privacy
 - (B) Pretty good privacy
 - (C) Pretty good encryption
 - (D) Pretty strong encryption
11. FTP is built on _____ architecture.
- (A) P2P
 - (B) Data centric
 - (C) Service oriented
 - (D) Client-server
12. FTP uses how many parallel TCP connections to transfer a file.
- (A) 1
 - (B) 2
 - (C) 3
 - (D) 4

13. FTP server _____.
- (A) Maintains state information
 - (B) Is stateless
 - (C) Has single TCP connection for a file transfer
 - (D) Has UDP connection for file transfer
14. Which of the following is a client-server protocol for transmitting files between computers on the internet over TCP/IP connections ?
- (A) HTTPS
 - (B) HTTP
 - (C) FTP
 - (D) SMTP
15. Which of the protocol is used for transferring e-mail message from one machine to another ?
- (A) FTP
 - (B) SNMP
 - (C) SMTP
 - (D) HTTP
16. What is the port number for FTP ?
- (A) 21
 - (B) 22
 - (C) 23
 - (D) 20

17. In FTP, there are three types of _____ stream, block and compressed.
- (A) File types
 - (B) Data types
 - (C) Transmission mode
 - (D) None
18. What is the full form FTP ?
- (A) File transmission protocol
 - (B) File trimming protocol
 - (C) File transfer protocol
 - (D) All
19. A web cookie is a small piece of data that is _____.
- (A) Sent from a website and stored in user's web browser while a user is browsing a website
 - (B) Sent from user and stored in the server while a user is browsing a website
 - (C) Sent from root server to all servers
 - (D) None
20. Which of the following tag is used for inserting the largest heading in HTML ?
- (A) head
 - (B) <h1>
 - (C) <h6>
 - (D) <body>

21. What is DOM in HTML ?
- (A) Language dependent application programming
 - (B) Hierarchy of objects in ASP. NET
 - (C) Application programming interface
 - (D) Convention for representing and interacting with objects in HTML documents
22. Which element is used to get highlighted text in HTML5 ?
- (A) < u >
 - (B) < mark >
 - (C) < highlight >
 - (D) < b >
23. Which of the following is not a XML storage option ?
- (A) Native storage as XML data type
 - (B) Mapping between XML and relational storage
 - (C) Small object storage
 - (D) None
24. XML is designed to _____ and _____ data.
- (A) Design and style
 - (B) Design, send
 - (C) Store, style
 - (D) Store, transport

25. XML document is a string of _____.
- (A) HTML codes
 - (B) XML codes
 - (C) ASCII codes
 - (D) Characters
26. How many types of tags are there in an XML document ?
- (A) 3
 - (B) 4
 - (C) 5
 - (D) 6
27. The default connection type used by HTTP is _____.
- (A) Persistent
 - (B) Non-persistent
 - (C) Either (A) or (B)
 - (D) None
28. The HTTP request message is sent in _____ part of three way handshake.
- (A) First
 - (B) Second
 - (C) Third
 - (D) Fourth

29. Which of the following is present in both an HTTP request line and a status line ?
- (A) HTTP version number
 - (B) URL
 - (C) Method
 - (D) None
30. Which is a client program that acts as an interface between user and world wide web ?
- (A) Web browser
 - (B) HTML
 - (C) URL
 - (D) OS
31. XPath is used to navigate through elements and attributes in _____.
- (A) XSL document
 - (B) XML document
 - (C) XHTML document
 - (D) XQuery document
32. Which HTML tag is used to create a number lists ?
- (A) < dl >
 - (B) < list >
 - (C) < ul >
 - (D) < ol >

33. In HTML, _____ attribute is used for merging of two or more adjacent columns.
- (A) Cell padding
 - (B) Cell spacing
 - (C) Rowspan
 - (D) Colspan
34. Which of the following is not a web browser ?
- (A) Chrome
 - (B) Internet explorer
 - (C) Netscape
 - (D) Hadoop
35. Which of the following is a type of cyber security ?
- (A) Cloud security
 - (B) Network security
 - (C) Application security
 - (D) All
36. Which of the following is not an email-related hacking tool ?
- (A) Mail password
 - (B) Email finder pro
 - (C) Mail passview
 - (D) Sendinc

37. What is the full form of ISP ?
- (A) Internet Service Promotor
 - (B) Internet Service Provider
 - (C) Intranet Service Provider
 - (D) None
38. HTTP stands for -
- (A) Hyper Transfer Text Protocol
 - (B) Hyper Text Transfer Protocol
 - (C) Hyper Transmission Text Protocol
 - (D) Hyper Text Transmit Protocol
39. Which among the following is used for a secure website ?
- (A) FTP
 - (B) HTTPs
 - (C) SMTP
 - (D) HTTP
40. Which of the following is a micro virus that can bring down the confidentiality of an email ?
- (A) Zeus
 - (B) Stuxnet
 - (C) Reaper Exploit
 - (D) Friday the 13

41. What is XML stand for ?
- (A) X Markup Language
 - (B) Extra Modern Link
 - (C) Extensible Markup Language
 - (D) Example Markup Language
42. WWW was invented by -
- (A) James Ghosling
 - (B) Tim Berners Lee
 - (C) Van Hoff
 - (D) Denis Ritchie
43. What is Internet ?
- (A) A network of local area of networks
 - (B) A single network
 - (C) Interconnection of wide area network
 - (D) None
44. What is the full form of GUI ?
- (A) Graphical User Internet
 - (B) Graphical User Index
 - (C) Graphical User Interface
 - (D) None

45. Which one of the following is a search engine ?
- (A) VS code
 - (B) Google
 - (C) Turbo C
 - (D) Java
46. Which tag is called the root element of an HTML document ?
- (A) < html >
 - (B) < body >
 - (C) < title >
 - (D) < head >
47. An example of an 'Internet Search Engine' is -
- (A) Windows
 - (B) Linux
 - (C) Yahoo
 - (D) MS word
48. Machines that places the request to access the data, is called _____.
- (A) Server machine
 - (B) Intelligent machine
 - (C) Idle machine
 - (D) Client machine

49. What is the full form of WWW ?
- (A) Wide World Web
 - (B) Word Wide Web
 - (C) Wide Web Word
 - (D) World Wide Web
50. A firewall protects which of the following attacks ?
- (A) Denial of Service (DOS)
 - (B) Dumpster diving
 - (C) Shoulder surfing
 - (D) None
