

1) Browsers' fundamentals

1.1. \_\_\_\_\_ is an application software that allows us to view and explore information on the web.

- A. HTML
- B. web Browser
- C. IDEs
- D. Libraries

1.2. User can request for any web page by just entering a \_\_\_\_\_ into address bar.

- A. text
- B. keyword
- C. URL
- D. All of the above

1.3. Web browser can show \_\_\_\_\_.

- A. text
- B. audio
- C. video
- D. All of the above

1.4. Vendor of Mozilla Firefox is?

- A. Microsoft
- B. Google
- C. Mozilla
- D. Netscape Communications Corp

1.5. Expand DOM \_\_\_\_\_

- A. Document Object Model
- B. Digital Object Model

1.6. Browser of Apple is?

- A. Chrome
- B. Firefox
- C. Opera
- D. Safari

1.7. Interpreter receives the information from the controller and execute the instruction line by line.

- A. Yes
- B. No
- C. Can be yes or no
- D. Cannot say

2) Shortcut keys

2.1. What is the function of 'Ctrl + I'?

Open Document

Italic

Underline

Bold

1.2. Which of the following shortcut keys is used to **end** a PowerPoint presentation?

TAB

HYPEN

COMMA

ESC

1.3. Which of the following is the shortcut key to open a 'New Blank' document in MS-Word?

CTRL + B

CTRL + D

CTRL + M

CTRL + N

1.4. Which of the following keys are used to mark a message as 'unread' in MS Outlook?

Ctrl + U

Alt + U

Ctrl + Q

None of the above

1.5. Which function key is used for opening help?

F2

F1

F4

F5

1.6. What is the function of 'Ctrl + 0'?

Hide selected row

Toggle italic selection

Toggle current column

Hide selected column

1.7. Which shortcut key is used to find a particular word in a Word document?

CTRL+S

CTRL+R

CTRL+Y

CTRL+F

1.8. What is the **shortcut key for the central alignment** of a line or text in MS Office software?

Ctrl+E

Ctrl+C

Ctrl+G

Ctrl+A

1.9. The F7 key is commonly used in Microsoft programs such as Microsoft Word, Outlook, for\_\_\_\_\_

checking spelling and grammar

opening help

renaming files and folders

searching content in various apps

1.11. What is the standard Windows keyboard, shortcut key combination for 'Redo'?

Control+z

Control+minus

Control+shift +A

Control+Y

1.12. In Google Chrome, what is the shortcut key combination to close the currently active tab?

Ctrl + Shift + Tab

Ctrl +Tab

Alt + Shift + Tab

Ctrl + W

1.13. In Microsoft Excel, press \_\_\_\_\_ key to enter a new line within a cell.

Alt + Enter

Ctrl + Shift

Ctrl + Enter

Alt + Shift

1.14. In MS-Word, "Ctrl + W" is used to \_\_\_\_\_

Update the current page

Open the Print Dialog box

Close the current window

Open the current window

1.15. In MS Excel 2010, the shortcut key to apply or remove strikethrough is \_\_\_\_\_

Ctrl+3

Ctrl+4

Ctrl+5

Ctrl+2

1.16. What is the shortcut key for making the text look **darker** in MS Word?

CTRL + I

CTRL + Y

CTRL + Z

CTRL + B

1.17 Which of the following shortcuts is used to **print** a document?

Ctrl + C

Ctrl + P

Ctrl + Z

Ctrl + L

1.18. The shortcut to add **new** slide in power point is\_\_\_\_\_

Ctrl + N

Ctrl + M

Ctrl + L

Ctrl + Z

1.19. Thesaurus tool in MS-Word is used for\_\_\_\_\_

Spelling suggestions

Grammar Options

Synonyms and Antonyms words

All of the above

### 3) Command prompt

3.1) What is the full form of **DOS**?

A. Disk Operating System

B. Data Operating System

C. Disk Operating Store

D. None of the above

3.2) Which command is used to get the **current** date only?

A. Date

B. Time

C. Year

D. None of above

3.3.) External command in DOS are .....

- A. Sys, ver, vol
- B. Edit, sys, chkdisk
- C. Chkdsk, prompt, date
- D. None of above

3.4) Disk copy command in DOS is used to .....

- A. Copy a file
- B. Copy contents of CD-ROM to another
- C. Copy contents of one floppy disk to another
- D. None of above

3.5) Which command is used to **copy** files?

- A. Type
- B. Copy
- C. Diskcopy
- D. None of above

3.6) Which command is used to **clear** the screen?

- A. Cls
- B. Clear
- C. Clsreen
- D. None of above

3.7) **Format command** is used to .....

- A. Prepare a blank disk
- B. Create a new blank disk from a used one
- C. Both A & B Option
- D. None of above

## 4) Network Security

4.1) Which of these is a standard interface for serial data transmission?

- 1. ASCII
- 2. RS232
- 3. c2
- 4. Centronics

4.2) "Parity bits" are used for which of the following purposes?

1. Encryption of data
2. To transmit faster
3. To detect errors
4. To identify the user

4.3) What kind of transmission medium is most appropriate to carry data in a computer network that is exposed to electrical interferences?

1. Unshielded twisted pair
2. Optical fiber
3. Coaxial cable
4. Microwave

4.4) A collection of **hyperlinked documents on the** internet forms the \_\_\_\_\_?

1. World Wide Web (WWW)
2. E-mail system
3. Mailing list
4. Hypertext markup language

4.5) The location of a resource on the internet is given by its?

1. Protocol
2. URL
3. E-mail address
4. ICQ

4.6) The term **HTTP** stands for?

1. Hyper terminal tracing program
2. Hypertext tracing protocol
3. Hypertext transfer protocol
4. Hypertext transfer program

4.7) \_\_\_\_\_ feature allows you to optimize your system and capture all possible transactions.

1. Scalability
2. Reliability
3. Elasticity
4. none of the mentioned

4.8) Which one of the following would breach the integrity of a system?

1. Looking the room to prevent theft
2. Full access rights for all users
3. Fitting the system with an anti-theft device
4. Protecting the device against wilful or accidental damage

4.9. DES follows

- a) Hash Algorithm
- b) Caesars Cipher
- c) Feistel Cipher Structure
- d) SP Networks

4.10. The DES Algorithm Cipher System consists of \_\_\_\_\_ rounds (iterations) each with a round key

- a) 12
- b) 18
- c) 9
- d) 16

4.11. The DES algorithm has a key length of

- a) 128 Bits
- b) 32 Bits
- c) 64 Bits
- d) 16 Bits

4.12. In the DES algorithm, although the key size is 64 bits only 48bits are used for the encryption procedure, the rest are parity bits.

- a) True
- b) False

4.13. In the DES algorithm the round key is \_\_\_\_\_ bit and the Round Input is \_\_\_\_\_ bits.

- a) 48, 32
- b) 64, 32
- c) 56, 24
- d) 32, 32

4.14. In the DES algorithm the Round Input is 32 bits, which is expanded to 48 bits via \_\_\_\_\_

- a) Scaling of the existing bits
- b) Duplication of the existing bits
- c) Addition of zeros
- d) Addition of ones



4.15) \_\_\_\_\_ is a type of software designed to help the user's computer detect viruses and avoid them.

Malware

Adware

Antivirus

Both B and C

4.16) Which one of the following is a type of antivirus program?

Quick heal

Mcafee

Kaspersky

All the above

4.17) It can be a software program or a hardware device that filters all data packets coming through the internet, a network, etc. it is known as the\_\_\_\_\_:

Antivirus

Firewall

Cookies

Malware

4.18) Which of the following refers to stealing one's idea or invention of others and use it for their own benefits?

Piracy

Plagiarism

Intellectual property rights Violation

All of the above

4.19) Read the following statement carefully and find out whether it is correct about the hacking or not?

It can be possible that in some cases, hacking a computer or network can be legal.

a) No, in any situation, hacking cannot be legal

b) It may be possible that in some cases, it can be referred to as a legal task

## **5) Fundamentals of Cloud Computing**

5.1) Which one of the following is Cloud Platform by Amazon?

1. Azure

2. AWS

3. Cloudera

4. All of the mentioned

5.2) Which one of the following cloud concepts is related to sharing and pooling the resources?

1. Polymorphism
2. Virtualization
3. Abstraction
4. None of the mentioned

5.3) Which of the model involves the special types of services that users can access on a Cloud Computing platform?

1. Service
2. Planning
3. Deployment
4. Application

5.4) Cloud computing architecture is a combination of?

1. service-oriented architecture and grid computing
2. Utility computing and event-driven architecture.
3. Service-oriented architecture and event-driven architecture.
4. Virtualization and event-driven architecture.

5.5) Which one of the following options is correct cloud infrastructure operated for the exclusive use of an organization?

1. Public
2. Private
3. Community
4. All of the mentioned

5.6) Which one of the following provides the resources or services such as the virtual infrastructure, virtual machines, virtual storage, and several other hardware assets?

1. IaaS
2. SaaS
3. PaaS
4. All of the mentioned