

DELHI PUBLIC SCHOOL, DURGAPUR
QUESTION BANK & REVISION SHEET FOR MID-TERM EXAMINATION (2017-18)
CLASS-X

Chapter 1
Introduction to the internet

1. What is Internet? 2. Write a short note on function of the Internet. 4. What is a Protocol? How do Protocols affect Internet? 5. Differentiate between a Web browser and Web server. 6. Explain the given terms :- i) Web Page ii) Home Page 7. Differentiate between a Website and a Web Portal 8. Discuss the two addressing mechanisms used for website on the net. 9. Write difference between Intranet and Internet. 10. What do you mean by ISP? 11. Explain function of modem. 12. Define WWW? 13. List factors which determine that Broadband is superior than dialup connection. 14. Write difference between DSL and Dialup connection 15. In a broadband connection, data is transmitted through a variety of media, what are those, which one is the best and why? 16. What is Wi-Fi? Write its advantage and disadvantage 17. Define Wi-Fi hotspot. 18. What is Wi-max? What do you think wimax will replace wi-fi or not? Justify your answer. 19. Define protocol. 20. What is difference between HTTP & HTTPS. 21. Write description of given suffix. i).com ii).org iii).edu 22. Define search engine with example. 23. What is the difference between Cc and Bcc. 24. Write difference between Chat and video conferencing. 25. Both newsgroup and blog are same thing. Give your comment. 26. List 4 major impacts of social networking sites in different sphere of our life. 27. How e-learning has become a boom for education sector? 28. File sharing websites are gaining popularity now days? Write name of any 2 file sharing websites. 29. Why organization are not using file sharing website? What they are using to share huge files?

Chapter 2
Storing the Information Effectively

1. What is Database? 2. What is difference between DBMS & RDBMS. 3. What is Record? 4. What is a field? 5. What are Data types? 6. What is primary key? Write its features. 7. What is template? 8. Define the given data types : i) Text ii) Memo iii) Number iv) Date/ Time v) Currency vi) Auto number vii) Yes/ No 9. What is the difference between datasheet view and design view?

Chapter 3
Modifying Table Structure

1. What is the use of field size property of a field? 2. What is the default value? 3. Why default value is not applied with auto number fields? 4. What is Display Format Property of a field? 5. What is validation rule? 6. What is the use expression builder dialog box? 7. What are arithmetic operators? 8. What are comparison operators? 9. What are logical operators? 10. Why relationship is established between two tables? Explain with an example. 11. What is foreign key? Write description of given rules :- i) Enforce referential integrity ii) Cascade update related fields iii)

Cascade delete related records. 12. Why cascade update related fields rule has no effect on auto number field? 13. What is the difference between one to one and many to many?

Chapter 4

Extracting Data from Database

1. Define query. 2. When null value is used? 3. Define calculate field? 4. What is purpose of CInt function? 5. What do you mean by group by clause? 6. What is aggregate function?

Vol-2

HTML

Q.1 What is the use of the <P> tag? Q.2 What is the use of the <BASEFONT> tag? Q.3 In which colour an unvisited hyperlink is displayed on a Web page, by default? Q.4 In which colour a visited hyperlink is displayed on a Web page, by default? Q.5 What is the use of the tag? What is the use of the <U> tag? Q.7 What is the use of the <I> tag?

Q.8 What is the use of the <BIG> tag? Q.9 What is the use of the <SUB> tag?

Q.10 What is the use of the <STRIKE> and </STRIKE> tags in an HTML document?

Q.11 Why is the # symbol used in the <A> tag? Q.12 What is HTML? Q.13 What is hypertext? Q.14 Why HTML is called a markup language? Q.15 What is SGML? Q.16

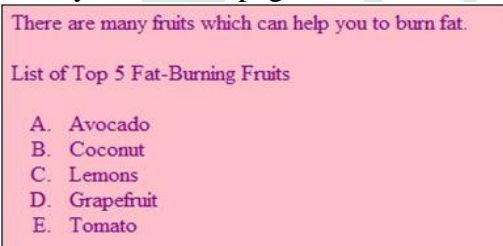
What is the use of an attribute? Q.17 What is the use of the text attribute in the <BODY> tag? Q.18 Which are the attributes used in the <BODY> tag to change the top and left margins from top and left of the browser window? Q.19 What does the
 tag represent? Q.20 What is an empty element? Q.21 Does a heading element leave a blank line above and below it? Q.22

Which is the attribute used for specifying the alignment of a heading element? Q.23 What is the use of the <SUP> tag? Write its syntax.

Q.24 Your teacher has asked you to create a Web page that has the following specifications:

- The 'Sulphuric acid is a highly corrosive strong mineral acid with the molecular formula H₂SO₄. It is a diprotic acid that shows different properties depending upon its concentration' text should appear in the Web page.
- The 'It is a diprotic acid that shows different properties depending upon its concentration' text should be displayed in the teletype style.

Q.25 Your teacher wants you to add the list of top five fat burning fruits in the existing HealthyFruits.html page, as shown in the following figure:



Write the code snippet to perform this task.

Q.26 What is a container element? Cite examples of any two container elements. Q.27 Are HTML tags case sensitive? Explain with an example. Q.28 What is the use of the topmargin attribute? Explain with the help of an example.

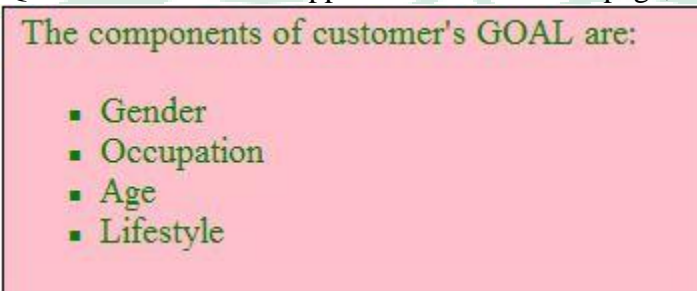
Q.29 Define the following attributes of the <BODY> tag:

- link
- alink
- vlink

Q.30 Define the following tags:

- <DL>
- <DT>
- <DD>

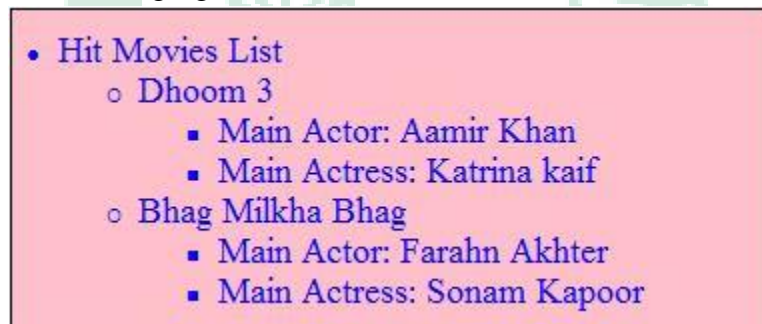
Q.31 Write the code snippet to create the Web page, shown in the following figure:



This Web page should have the following specifications:

- The background colour should be pink.
- The text and list items should be in green colour with size four pixels.
- The list items should be represented in square style bullets.

Q.32 Sonali is the Team Leader in a leading news channel. She wants Akash, her team member, to add a list of some hit movies in the MovieSynopsis Web page of the news channel's website, as shown in the following figure:



In addition, she wants Akash to display the names of movies in green colour. Help Akash in performing this task.

Q.33 What are HTML tags? Explain in brief.

Q.34 Your teacher has asked you to create a Web page named MyPage.html that has the following specifications:

- Background colour of the Web Page should be mistyrose.
- Text colour of the Web page should be purple.
- The text– My Web Page–should be displayed in the centre of the page as a first-level heading.

Information Security

- Q.1** The software that is designed to damage computer systems and steal or damage the information stored in them is called _____. (Marks : 1)
- | | |
|---------------------|--------------------------|
| (1) System software | (2) Application software |
| (3) Malware | (4) Anti-virus |
-
- Q.2** Identify the threat that can transfer itself to other systems without user intervention. (Marks : 1)
- | | |
|-------------|--------------|
| (1) Virus | (2) Worm |
| (3) Spyware | (4) Phishing |
-
- Q.3** _____ refers to the software that automatically displays advertisements that generate revenue for its author. (Marks : 1)
- | | |
|------------|------------|
| (1) Virus | (2) Trojan |
| (3) Adware | (4) Spam |
-
- Q.4** Which one of the following options refers to a destructive program that masquerades as a useful program? (Marks : 1)
- | | |
|-------------|------------|
| (1) Virus | (2) Spam |
| (3) Stuxnet | (4) Trojan |
-
- Q.5** Identify the software that records every keystroke made by the user to gain malicious access to passwords and other confidential information. (Marks : 1)
- | | |
|------------|---------------|
| (1) Logger | (2) Keylogger |
| (3) KeyLog | (4) Log |
-
- Q.6** Which one of the following options refers to the process of sending unsolicited bulk mails to users? (Marks : 1)
- | | |
|--------------|--------------|
| (1) Stuxnet | (2) Trojan |
| (3) Phishing | (4) Spamming |
-
- Q.7** Identify the software that helps in protecting a computer against security

threats. (Marks : 1)

- | | | | |
|-----|------------|-----|------------|
| (1) | Anti-virus | (2) | Ransomware |
| (3) | Stuxnet | (4) | Adware |
-

Q.8 Which one of the following options is an example of anti-virus software? (Marks : 1)

- | | | | |
|-----|------------|-----|-----------|
| (1) | Quick Heal | (2) | Conficker |
| (3) | Keylogger | (4) | Downup |
-

Q.9 _____ refers to any email or communication that is intended to trick the recipient to disclose secret or sensitive information, such as usernames and passwords or bank account details. (Marks : 1)

- | | | | |
|-----|----------|-----|-------|
| (1) | Phishing | (2) | Virus |
| (3) | Spamming | (4) | Worm |
-

Q.10 Kaspersky is an example of _____ software. (Marks : 1)

- | | | | |
|-----|---------|-----|------------|
| (1) | Malware | (2) | Anti-virus |
| (3) | Adware | (4) | Spyware |
-

Q.11 Which one of the following options refers to the process of creating a copy of the data and storing it on external storage devices at regular intervals so that it can be used and restored in case of data loss? (Marks : 1)

- | | | | |
|-----|---------------|-----|---------------|
| (1) | Data recovery | (2) | Data handling |
| (3) | Data copy | (4) | Data backup |
-

Q.12 Which one of the following options can be used to take data backup? (Marks : 1)

- | | | | |
|-----|--|-----|-------------------------|
| (1) | CD | (2) | C: drive of the machine |
| (3) | Folders created on the C: drive of the machine | (4) | E-mails |
-

Q.13 Which one of the software programs are designed to slow down a system or damage the operating system? (Marks : 1)

- | | | | |
|-----|-------|-----|-----------|
| (1) | Virus | (2) | Worm |
| (3) | Spam | (4) | Keylogger |

Q.14 Identify the statement that is correct with respect to data backup? (Marks : 1)

(1) Data backup is a type of security threat. (2)

To take data backup, you can copy the critical data to folders in your system.

(3) Operating systems generally do not provide backup tools to backup the data. (4)

To ensure minimal data loss, data should be backed up regularly. Data can be recovered by using the backup copy.

Q.15 If your computer shows unpredictable behaviour at any point in time, you can re-establish your computer to a previously created reinstate point by using the _____ feature. (Marks : 1)

(1) System backup (2)

System restore

(3) Data backup (4)

Data restore

Q.16 Conficker is an example of _____. (Marks : 1)

(1) Virus (2)

Trojan

(3) Worm (4)

Spam

Q.17 Which one of the following threats is generally bundled as hidden components of freeware or shareware programs that can be downloaded from the Internet? (Marks : 1)

(1) Trojan (2)

Worm

(3) Virus (4)

Spyware

Q.18 Identify the task that you should refrain from to maintain security of your computer. (Marks : 1)

(1) Leave your system unlocked while you are away. (2)

Use strong passwords.

(3) Use anti-virus software. (4)

Turn on security warnings.

Q.19 _____ enables you to return the state of your computer to the time when everything was working fine on it. (Marks : 1)

- | | | | |
|-----|----------------|-----|---------------|
| (1) | System restore | (2) | System backup |
| (3) | System refrain | (4) | System safe |
-

Q.20 Identify the statement that is correct with respect to maintaining security of your computer. (Marks : 2)

- | | | | |
|-----|---|-----|--|
| (1) | Keep your operating system up-to-date with latest security updates. | (2) | Tell your password only to your friends. |
| (3) | Always keep your computer unlocked. | (4) | Turn off security warnings. |
-

Q.21 _____ is an example of malicious software. (Marks : 2)

- | | | | |
|-----|------------|-----|----------|
| (1) | Spam | (2) | Virus |
| (3) | Anti-virus | (4) | Phishing |
-

Q.22 An intruder needs to send an e-mail to a user that appears genuine and prompts the user to disclose sensitive information. Which one of the following threat mechanism should the intruder use for this purpose? Also identify the sensitive information, which the intruder intends to get hold of by using this mechanism. (Marks : 2)

- | | | | |
|-----|---|-----|---|
| (1) | Virus, User ID and password of the user machine | (2) | Worm, Date of birth and location of the user |
| (3) | Stuxnet, User ID and password of the user machine | (4) | Phishing, User ID, password of important accounts, such as online banking account |
-

Q.23 An intruder needs to display advertisements on the users' system that generate revenue for the sender. Which software is used for this purpose? Also identify the general term that can be used for the software? (Marks : 2)

- | | | | |
|-----|-----------------|-----|-------------------|
| (1) | Conficker, Worm | (2) | Conficker, Trojan |
| (3) | Adware, Spyware | (4) | Adware, Trojan |
-

Q.24 _____ is a feature offered by Windows operating system that returns the state of your computer to a time when it was working fine by using restore points. (Marks : 2)

- | | | | |
|-----|----------------|-----|--------------|
| (1) | System restore | (2) | Data backup |
| (3) | System backup | (4) | Data restore |
-

Q.25 Identify the statement(s) that are correct with respect to the anti-virus software. (Marks : 2)

- | | | | |
|-----|--|-----|--|
| (1) | Anti-virus software helps in protecting the computer against threats, such as viruses, worms and other malicious code. | (2) | Anti-virus software helps in protecting the computer against threats, such as spamming and phishing. |
| (3) | Conficker is one of the popular anti-virus software available in the market. | (4) | Anti-virus protects the user machine by scanning the emails for viruses. |
-

Q.26 Identify the tasks from the following options that help you prevent IT security threats. (Marks : 2)

- | | | | |
|-----|---|-----|---|
| (1) | Download files and programs only from trusted sources. | (2) | Keep your operating system up-to-date with latest security updates. |
| (3) | Always open links to websites given in spam mails in a new tab of the browser window. | (4) | Select the "Remember My Password" option as many applications do not store them securely. |
-

Q.27 Identify the task from the following options that should never be performed to save your computer from security threats. (Marks : 2)

- | | | | |
|-----|--|-----|--|
| (1) | You should never change the password for your email accounts at regular intervals. | (2) | Never update the anti-virus software at regular intervals once it has successfully |
|-----|--|-----|--|

- (3) Never open links to websites given in spam mails. (4)

installed on your machine.

Never use your work passwords for your own personal online accounts.

Societal Impacts of IT

Q.1 The software that is designed to damage computer systems and steal or damage the information stored in them is called _____. (Marks : 1)

- (1) System software (2) Application software

- (3) Malware (4) Anti-virus

Q.2 Identify the threat that can transfer itself to other systems without user intervention. (Marks : 1)

- (1) Virus (2) Worm

- (3) Spyware (4) Phishing

Q.3 _____ refers to the software that automatically displays advertisements that generate revenue for its author. (Marks : 1)

- (1) Virus (2) Trojan

- (3) Adware (4) Spam

Q.4 Which one of the following options refers to a destructive program that masquerades as a useful program? (Marks : 1)

- (1) Virus (2) Spam

- (3) Stuxnet (4) Trojan

Q.5 Identify the software that records every keystroke made by the user to gain malicious access to passwords and other confidential information. (Marks : 1)

- (1) Logger (2) Keylogger

- (3) KeyLog (4) Log

Q.6 Which one of the following options refers to the process of sending unsolicited bulk mails to users? (Marks : 1)

(1) Stuxnet (2) Trojan

(3) Phishing (4) Spamming

Q.7 Identify the software that helps in protecting a computer against security threats. (Marks : 1)

(1) Anti-virus (2) Ransomware

(3) Stuxnet (4) Adware

Q.8 Which one of the following options is an example of anti-virus software? (Marks : 1)

(1) Quick Heal (2) Conficker

(3) Keylogger (4) Downup

Q.9 _____ refers to any email or communication that is intended to trick the recipient to disclose secret or sensitive information, such as usernames and passwords or bank account details. (Marks : 1)

(1) Phishing (2) Virus

(3) Spamming (4) Worm

Q.10 Kaspersky is an example of _____ software. (Marks : 1)

(1) Malware (2) Anti-virus

(3) Adware (4) Spyware

Q.11 Which one of the following options refers to the process of creating a copy of the data and storing it on external storage devices at regular intervals so that it can be used and restored in case of data loss? (Marks : 1)

(1) Data recovery (2) Data handling

(3) Data copy (4) Data backup

Q.12 Which one of the following options can be used to take data backup? (Marks : 1)

(1) CD (2) C: drive of the machine

(3) Folders created on the C: drive of the machine (4) E-mails

Q.13 Which one of the software programs are designed to slow down a system or damage the operating system? (Marks : 1)

(1) Virus (2) Worm

(3) Spam (4) Keylogger

Q.14 Identify the statement that is correct with respect to data backup? (Marks : 1)

(1) Data backup is a type of security threat. (2) To take data backup, you can copy the critical data to folders in your system.

(3) Operating systems generally do not provide backup tools to backup the data. (4) To ensure minimal data loss, data should be backed up regularly. Data can be recovered by using the backup copy.

Q.15 If your computer shows unpredictable behaviour at any point in time, you can re-establish your computer to a previously created reinstate point by using the _____ feature. (Marks : 1)

(1) System backup (2) System restore

(3) Data backup (4) Data restore

Q.16 Conficker is an example of _____. (Marks : 1)

(1) Virus (2) Trojan

(3) Worm (4) Spam

Q.17 Which one of the following threats is generally bundled as hidden components of freeware or shareware programs that can be downloaded from the Internet? (Marks : 1)

(1) Trojan (2) Worm

(3) Virus (4) Spyware

Q.18 Identify the task that you should refrain from to maintain security of your computer. (Marks : 1)

(1) Leave your system unlocked while you are away. (2) Use strong passwords.

(3) Use anti-virus software. (4) Turn on security warnings.

Q.19 _____ enables you to return the state of your computer to the time when everything was working fine on it. (Marks : 1)

(1) System restore (2) System backup

(3) System refrain (4) System safe

Q.20 Which one of the following options refers to economic and social inequality between groups of people which deprives a group from access to Information and Communication Technology? (Marks : 1)

- (1) Digital unity (2) Digital divide
(3) Digital signature (4) Digital Inequality

Q.21 Which one of the following options refers to the condition that occurs when the gap of the digital divide is filled with the help of literacy, economic equality, social mobility and economic growth? (Marks : 1)

- (1) Digital unity (2) Digital divide
(3) Digital merger (4) Digital union

Q.22 Identify the statement that is correct with respect to IT. (Marks : 1)

- (1) IT opens job opportunities only for organisations/corporates. (2) IT enables individuals to perform a variety of tasks online without stepping out of the comfort of their homes except for performing banking transactions.
(3) IT enables individuals to enhance their skills by learning through the content and resources available online. (4) IT has restricted the flexibility for employees in terms of work locations and hours.

Q.23 _____ enables you to buy or sell goods and services anywhere, anytime. (Marks : 1)

- (1) E-learning (2) E-governance
(3) Economics (4) E-commerce

Q.24 Which one of the following options is a metaphor used for the Internet? (Marks : 1)

- (1) Cloud (2) World Wide Web
(3) Website (4) Web Service

Q.25 _____ leads to automation of services, thereby ensuring that the information regarding every work of public welfare is easily available to all citizens. (Marks : 1)

- (1) E-learning (2) E-governance
(3) Economics (4) E-commerce

Q.26 _____ refers to specialised software applications for managing the various business processes, such as product planning, development, manufacturing processes and sales and marketing. (Marks : 1)

- (1) ERP (2) SaaS
(3) IaaS (4) PaaS

Q.27 Identify the service that enables an organisation to buy access to servers and storage space over the Internet. (Marks : 1)

- (1) Cloud Computing (2) Infrastructure as a Service
(3) Platform as a Service (4) Software as a Service

Q.28 _____ e-commerce transactions involve organisations doing business with other organisations. (Marks : 1)

- (1) B2B (2) B2C
(3) C2B (4) C2C

Q.29 The process of acquiring knowledge online through multimedia is known as _____. (Marks : 1)

- (1) E-commerce (2) E-governance
(3) E-learning (4) Economics

Q.30 Which one of the following options refers to the process of gaining unauthorised access to the computer system or network to expose security gaps within the system? (Marks : 1)

- (1) Hacking (2) Cracking
(3) Authorisation (4) Authentication

Q.31 Which one of the following options refers to a software-or-hardware-based device that is used to filter information shared between an internal network and an external network? (Marks : 1)

- (1) Antivirus (2) Intrusion detection system
(3) Authorisation (4) Firewall

Q.32 Which of the following statements is true about a cracker? (Marks : 1)

- (1) Crackers use hacking to fix flaws within a system and improve security. (2) Crackers are hired by organisations to audit Information security systems.
(3) Crackers are also known as White-hat hackers. (4) Crackers are also known as black-hat hackers who gain unauthorised access to a system with a malicious intent.

Q.33 _____ refers to the process of converting the data into a form called ciphertext, which cannot be easily understood by the unauthorised people. (Marks : 1)

- (1) Phishing (2) Encryption

- (3) Authentication (4) Authorisation

Q.34 _____ refers to the process of granting or denying user access to a network resource.
(Marks : 1)

- (1) Authentication (2) Authorisation

- (3) Hacking (4) Cracking

Q.35 _____ refers to the process of identifying an individual, usually based on the username and password. (Marks : 1)

- (1) Authentication (2) Authorisation

- (3) Encryption (4) Hacking

Q.36 A/An _____ is used to monitor all network activities and identify suspicious patterns that may indicate a network or system attack from someone attempting to gain unauthorised access to the information. (Marks : 1)

- (1) Firewall (2) Antivirus

- (3) Cipher (4) Intrusion Detection System

Q.37 Face recognition is an example of _____. (Marks : 1)

- (1) Authentication (2) Encryption

- (3) Authorisation (4) IDS

Q.38 Which one of the following is a mode of biometric authentication of the user? (Marks : 1)

- (1) Fingerprint recognition (2) Username and password

- (3) Secure pins (4) Username and pins

Q.39 Black-hat hacker's gain unauthorised access to system _____. (Marks : 1)

- (1) to do malicious activities (2) to audit network traffic

- (3) to audit system security (4) to filter network traffic

Q.40 Identify the statement that is correct with respect to maintaining security of your computer.
(Marks : 2)

- (1) Keep your operating system up-to-date with latest security updates. (2) Tell your password only to your friends.

- (3) Always keep your computer unlocked. (4) Turn off security warnings.

Q.41 _____ is an example of malicious software. (Marks : 2)

- (1) Spam (2) Virus
(3) Anti-virus (4) Phishing

Q.42 An intruder needs to send an e-mail to a user that appears genuine and prompts the user to disclose sensitive information. Which one of the following threat mechanism should the intruder use for this purpose? Also identify the sensitive information, which the intruder intends to get hold of by using this mechanism. (Marks : 2)

- (1) Virus, User ID and password of the user machine (2) Worm, Date of birth and location of the user
(3) Stuxnet, User ID and password of the user machine (4) Phishing, User ID, password of important accounts, such as online banking account

Q.43 An intruder needs to display advertisements on the users' system that generate revenue for the sender. Which software is used for this purpose? Also identify the general term that can be used for the software? (Marks : 2)

- (1) Conficker, Worm (2) Conficker, Trojan
(3) Adware, Spyware (4) Adware, Trojan

Q.44 _____ is a feature offered by Windows operating system that returns the state of your computer to a time when it was working fine by using restore points. (Marks : 2)

- (1) System restore (2) Data backup
(3) System backup (4) Data restore

Q.45 Identify the statement(s) that are correct with respect to the anti-virus software. (Marks : 2)

- (1) Anti-virus software helps in protecting the computer against threats, such as viruses, worms and other malicious code. (2) Anti-virus software helps in protecting the computer against threats, such as spamming and phishing.
(3) Conficker is one of the popular anti-virus software available in the market. (4) Anti-virus protects the user machine by scanning the emails for viruses.

Q.46 Identify the tasks from the following options that help you prevent IT security threats. (Marks : 2)

- (1) Download files and programs only from trusted sources. (2) Keep your operating system up-to-date with latest security updates.

- (3) Always open links to websites given in spam mails in a new tab of the browser window. (4) Select the "Remember My Password" option as many applications do not store them securely.

Q.47 Identify the task from the following options that should never be performed to save your computer from security threats. (Marks : 2)

- (1) You should never change the password for your email accounts at regular intervals. (2) Never update the anti-virus software at regular intervals once it has successfully installed on your machine.
- (3) Never open links to websites given in spam mails. (4) Never use your work passwords for your own personal online accounts.

Q.48 Flipkart website is an example of _____ e-commerce transaction. (Marks : 2)

- (1) B2B (2) B2C
- (3) C2C (4) C2B

Q.49 Identify the e-commerce websites from the following options. (Marks : 2)

- (1) www.olx.com (2) www.gmail.com
- (3) www.w3schools.com (4) www.yahoomail.com

Q.50 _____ is an example of software as a service provided through cloud computing. (Marks : 2)

- (1) ERP (2) E-learning
- (3) E-commerce (4) Social networking sites

Q.51 The monetary transactions between manufacturers and distributors are known as _____. (Marks : 2)

- (1) B2C (2) C2C
- (3) C2B (4) B2B

Q.52 _____ is an example of an e-governance website. (Marks : 2)

- (1) Moodle.org (2) Yahoo.com
- (3) Passport portal (4) w3schools.com

Q.53 Vivek works as a Software Engineer in the Divine Software Pvt. Ltd. company. He observed that some important information is being leaked due to flaws in the network. Therefore, he decided to

hire some professionals who can identify these flaws and fix them. Whom should he hire for this purpose? (Marks : 2)

- (1) White-hat hackers (2) Black-hat hackers
- (3) Database administrators (4) Crackers

Q.54 Rajani works as a System Analyst with Marble Consultants. She needs to ensure that the users should be able to access specific resources of the network only if they have suitable permissions and privileges for the same. Which one of the following security methods she should use for this purpose? (Marks : 2)

- (1) Authentication (2) Encryption
- (3) Authorisation (4) Firewall

Q.55 Sonali works as a Team Leader of data security team in the Divine Software Pvt. Ltd. organisation. She needs to implement a security system in the organisation that can monitor all network activities. In addition, the security system should identify suspicious patterns that may indicate a network or system attack from someone attempting to gain unauthorised access to the information. Which security method she should use for this purpose? (Marks : 2)

- (1) Firewall (2) IDS
- (3) Encryption (4) Authorisation

Q.56 Gopal needs to send some information to his colleagues over a network. He wants that the information cannot be read by the unauthorised people. Therefore, he decides to convert the information data into a cipher text. Which security method he should use for this purpose? (Marks : 2)

- (1) Authorisation (2) Authentication
- (3) IDS (4) Encryption

Q.57 Deepak works as a Team Leader of the data security team of Divine Software Pvt. Ltd. He needs to implement a security mechanism which ensures that the computers can only be unlocked by fingerprint recognition. Which security method he should use for this purpose? (Marks : 2)

- (1) Authentication (2) Authorisation
- (3) Encryption (4) IDS



DELHI PUBLIC SCHOOL, DURGAPUR

Sample Question Paper

CLASS- X

Time: 1 Hour 30Mins

SUBJECT- Computer Science (Theory)

Maximum

Marks: 50

General Instructions:

- This question paper consists of 2 pages and 7 questions.
- Marks distribution is allocated at the right end of each question.
- Attempting each question is compulsory.

1. Define the following terms:-

[2X5=10]

- Malware
- Worm
- Phishing
- Data Backup
- Firewall

2. Write differences between:-

[2X5=10]

- HTML and XML
- Radio button and Checkbox
- Text Field and password Field
- Ordered List and Unordered List
- Trojan Horse and Spyware

3. Write an XML document that mark-ups the following data:-

[5X1=5]

Name	Job	Department	Cubicle
Sangeeta	Programmer	Engineering	5E
Omkar	Designer	Marketing	9M
Melissa	Designer	HR	8H
Frank	Administrator	Engineering	4E
Raina	Programmer	Technical Support	19T

All these data must be rendered. Use attributes to make the data more informative.

4. Write down schema for following XML code snippet:-

[5X1=5]

```
<Customer>
  <CName>Pritam</CName>
  <CEmail>pritam@hotmail.com</CEmail>
  <CAge>22</CAge>
```

```
<CAdd>Aurangabad</CAdd>
<AmtPaid>1200</AmtPaid>
</Customer>
```

5. Write HTML code to generate following output:-

[5X2=10]

- a. Generate given list:-
1. Indoor Games
 - a. Carom
 - b. Chess
 - c. Video game
 2. Outdoor Games
 - d. Football
 - e. Volleyball
 - f. Cricket
- b. Create following user form:-

Enter Name	<input type="text"/>
Select Gender	<input type="radio"/> Male <input type="radio"/> Female
Address	<input type="text"/>
Hobbies	<input type="checkbox"/> Dancing <input type="checkbox"/> Reading <input type="checkbox"/> Singing <input type="checkbox"/> Watching TV
<input type="button" value="Save"/>	<input type="button" value="Clear"/>

6. What do you mean by Cloud Computing? Discuss about it services.

[2+3=5]

7. What do you mean by Spamming? Write any three guidelines which one should follow to prevent security issues in IT.

[2+3=5]

Syllabus:-
VOL-1 and VOL-2