

Bits to Bots

Class 6

Lesson 1 : Malware

1. Define Adware and Spyware.

Adware – Shows unwanted ads.

Spyware – Secretly collects user data.

2. Differentiate between Macro virus and Email virus.

Macro virus – Infects documents via macros.

Email virus – Spreads through email attachments.

3. Differentiate between Trojan Horse and Logic Bomb

Trojan Horse – Looks useful but harms.

Logic Bomb – Activates on a specific trigger.

4. What do you understand by computer virus?

Computer virus – Program that damages and spreads to other files.

5. Why do we use Antivirus program?

Detects and removes malware.

6. Name any three antivirus software program.

Quick Heal, Norton, McAfee.

7. How are Macro virus created?

Macro virus creation – Through infected macros in documents.

8. What do you understand by Spyware?

Software that secretly monitors user activities.

9. Write any three precautions against malware.

Install antivirus, avoid unknown links, update software.

Lesson 3 - Canva

1. Difference between the Presenter Window and Audience Window.

Presenter Window – Shows speaker notes and controls.

Audience Window – Shows slides to viewers.

2. What is Canva?

An online graphic design tool in which one can create posters, presentations, logos, invitation card, etc.

3. Write the names of any five tools of Draw Tab.

Pen, Highlighter, Eraser, Color Picker, Thickness.

4. What is the use of the Elements tab in the editor side panel?

Adds shapes, graphics, videos, photos, frames and icons.

5. Write any three features of Canva.

Templates, Collaboration, Cloud storage.

6. What is the role of Design tab in Canva?

Changes theme, layout, and background.

7. How can you make a presentation effective and eye-catching in Canva?

Use visuals, consistent styles, minimal text.

Lesson 4 - Internet Services

1. Differentiate between E-commerce and M-commerce

E-commerce – Buying/selling via internet.

M-commerce – Buying/selling via mobile devices.

2. What are the two main ways to connect to the Internet?

Two ways – Wired and Wireless.

3. Name two examples of video conferencing apps.

Examples – Zoom, Google Meet.

4. What do you mean by blogging?

Writing and sharing content online.

5. What is E-commerce?

Online buying and selling of goods/services.

6. What are the four basic models of E-commerce business? Explain anyone.

Models – B2B, B2C, B2E, C2C.

Example (B2C) – Business sells directly to customers.

7. Write the advantage of an E-commerce.

Shop anytime, anywhere.

Lesson 8 – Python – Introduction

1. Define token and keywords.

Token – Smallest unit in Python.

Keywords – Reserved words with special meaning.

2. differentiate between float and string.

Float – Number with decimal.

String – Sequence of characters.

3. Differentiate between delimiters and keywords.

Delimiters – Symbols to separate code elements.

Keywords – Reserved words.

4. What is python and who developed it?

Python – High-level programming language by *Guido van Rossum*.

5. How many data types are there in Python?

Data types – Six. (Numbers, string, list, set, tuple and dictionary)

6. What are variables?

Named storage for data.

7. What is purpose of delimiters in python?

Organize code structure.

8. What are literals in python? explain with examples.

Fixed values like 10 (int), 3.14 (float), "Hello" (string).

9. Explain the rules for naming an identifier in python.

Start with letter/underscore, no spaces, case-sensitive.

10. Define input() and print() functions in python.

input() – Takes user input.

print() – Displays output.