Dear Students!!

In this e-book of 9th class, study material of computer science is being sent to you as per new syllabus (2023-24). You can easily prepare your test / papers by reading these notes and watching the video lectures given below. Following are the links of the video lectures in blue colour. Watch these video lectures by clicking on the relevant link of chapter to have better understanding of various concepts.

9th Class - Computer Science Syllabus & Video Lecture Links (Pbi)

Video Lecture's Playlist Link of Computer Science for 9th Class:

https://youtube.com/playlist?list=PLja3EaJFAjmYwpD9b_D9520GLE9BwEHsZ

Chapter-wise Links of Video Lectures:

Chapter -1 Networking	**https://youtu.be/U1LCLGC0Kc8**
Chapter -2 Internet Applications	**https://youtu.be/4zjjeo4HCRs**
Chapter -3,4,5,6 Video Lectures for MS Excel	
Part-1	**https://youtu.be/AvSCtIOzSx0**
Part-2	**https://youtu.be/eaaZ65WrF_U**

Video Lectures for Excel Practical:

Part-1	**https://youtu.be/8ioY-a6i5MY**
Part-2	**https://youtu.be/7gAz1jELgmo**
Chapter -7 E-Governance	**https://youtu.be/U4Zah7au2Es**
Chapter -8 Intro to Database	**https://youtu.be/sWCvejbp0hI**

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▶ YouTube **http://youtube.com/c/computersciencepunjab**

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Please use the following link to download the study material/e-books/e-contents for 6th to 12th classes:

http://cspunjab.nirmancampus.co.in/study.php

Chapter 2nd
Internet Applications

Que:1 Multiple Choice Questions

1. 'Gmail' is a free email service provided by_____.
   - a. Yahoo
   - **b. Google**
   - c. Rediff mail
   - d. Hotmail

2. A _____ is a type of test used in computing to determine whether or not the user is human.
   - **a. CAPTCHA**
   - b. DERTSA
   - c. HEPTCHA
   - d. NEPHCA

3. _____is a type of malware designed to provide unauthorized, remote access to a user's computer.
   - a. Spyware
   - **b. Trojan**
   - c. Malware
   - d. Horse

4. _____ is a computer program that replicates itself into other computer programs.
   - a. Spyware
   - **b. Virus**
   - c. Phishing
   - d. Malware

5. _____ is an Indian digitization online service provided by the Ministry of Electronics and Information Technology (MeitY), Government of India under its Digital India initiative.
   - **a. DigiLocker**
   - b. DigiProgram
   - c. DigiHacker
   - d. DigiBanker

Que:2 Write True/False

1. Spyware is an e-mail fraud method in which the wrongdoer sends out legitimate-looking email in an attempt to gather personal and financial information from recipients. **False**
2. Google Drive does not allow us to store and share files online. **False**
3. The best way to deal with the threat of a computer virus is to use antivirus software. **True**
4. The Web threat is any threat that uses the World Wide Web to facilitate cybercrime. **True**
5. Google Meet is a video conferencing service by Google. **True**

Que:3 Short Questions Answer

Q:1 Define E-mail.

Ans: Email stands for Electronic Mail. It is one of the most commonly used features over the Internet. It allows us to send and receive electronic messages anywhere in the world. To send and receive messages, we need an email address. Email address always includes @ symbol. For example: **inbox.kansal@gmail.com** is an email address. Gmail, Yahoo Mail, Rediff Mail, Hotmail are some of the popular web-mail services.

Q:2 Give the names of any four Google apps?

Ans: Google Apps is a suite of Web-based applications from Google:
- Gmail
- Google Maps
- Google Photos
- Google Calendar
- Google Docs
- Google Lens

Q:3 Define Cyber Ethics?

Ans: Cyber Ethics is the conduct of acceptable usage of online resources by a user. Cyber ethics refers to a set of moral rules or a code of behaviour on the internet. It is to be ensured that users understand their responsibilities for conducting themselves online.
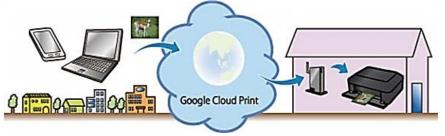
Q:4 What is DigiLocker?

Ans: DigiLocker is an Indian digitization online service. This service is provided by the Ministry of Electronics and Information Technology (MeitY). DigiLocker provides an account in cloud to every Aadhaar holder. It provides access to authentic certificates, such as: driving license, vehicle registration (RC), DMCs. These certificates are provided in digital format by the original issuers of these certificates. Digilocker provides 1GB storage space to each account holder to store documents.

Q:5 What is Cloud Printing?

Ans: Cloud printing is one of the latest online printing techniques to print documents. It enables users to print documents on any device associated with the cloud (network). Using this technique, we can connect our printer with the cloud network and later we can take printout of a document from anywhere at this printer.

Que:4 Long Questions Answers?

Q:1 What are Google Apps? Explain any two Google Apps.

Ans: A set of web-based applications provided by Google are called Google Apps. We must have a Google account to use these apps. Gmail, Calendar, Maps, and Docs etc. are some of important google apps:

1. **Gmail:** This Google app is used to send and receive emails. Using this app, we can send a message from mobile or computer to any person.
2. **Google Drive:** This Google app allows us to store and share files online. Google provides 15 GB storage space to every Google account for storing data.

Q:2 What is Google Drive? Write various benefits of Google Drive.

Ans: Google Drive is a service offered by Google. This Google app allows us to store and share files online. Google provides 15 GB storage space to every Google account for storing data. We must have a Google account to use this app.

Benefits of Google Drive:

1. We can store our data at the online drive
2. We can share files stored on Google drive with other persons
3. We can view our files stored on the Google drive from anywhere
4. Google drive provides a built-in search engine to find files easily.
5. We can open many types of files (docx, xlsx, psd, jpg etc.) on the Google drive.
6. All these facilities are provided free of cost by Google.

Q:3 Write about various methods of Internet Security.

Ans: Internet Security is a branch of Computer Security. It protects our computer from various internet threats. Following are some of the common methods used for Internet Security:

- **Anti-virus:** Antivirus software helps us to protect our computer system from viruses. Antivirus software scans our online activity to make sure we are not downloading infected files. Norton, Kaspersky, Avira, Avast, Mcafee etc are the examples of commonly used anti-viruses.
- **Anti-Spyware:** Anti-spyware software helps us to detect and remove unwanted spyware programs.
- **Prevention from Trojan Horse:** We should never download or install software from untrusted sources. Never open an attachment or run a program received via email from untrusted sources. Make sure a Trojan antivirus is installed on our computer.
- **Prevention from Phishing Scam:** Don't follow the link received through SMS or emails, and login only from the official website.

Q:4 What is Cyber Crime? Write various preventive measures against Cyber Crimes.

Ans: Cybercrime is a crime that involves a computer and a network. Cyber Crimes can involve criminal activities that are traditional in nature, such as theft, fraud, forgery, defamation and mischief.

Preventive measures against Cyber Crime:

1. The user must use a full internet security suite.
2. The user must use strong passwords for various online websites.
3. Keep your software updated.
4. Keep your personal and private information locked down.
5. Keep yourself up to date on major security breaches.
6. If you believe that you've become a victim of cybercrime, you need to alert the local police.