



POLLACHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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**Degree/ Branch: B. E / Common to all Branch****Semester/ Year: I / I****Subject Code / Name: GE2112/ Fundamentals of Computing and Programming**

(Question Bank)

**UNIT II: Computer Software****Part-A (2 marks for each question)**

1. Define Computer Software  
A Set of program, which are specifically written to do user defined task. Software tells the computer what to do and how to do it.
2. List the categories of software.
  - System Software
  - Application Software
3. What is System software?  
It refers to a computer program that manages and controls hardware component of a computer system.
4. List the types of Operating System?
  - Batch OS
  - Interactive OS
  - Multiuser OS
  - Multitasking OS
  - Multithreading OS
5. What is the central processing unit of a computer?  
CPU referred as brain of a computer. It is set of electronic circuitry which executes stored program instruction it controls all internal, external devices, operates only on binary data, i.e. data composed on 1's and 0's. It is also known as a processor.
6. Define Device driver  
It is a program to assist the operating system for the proper functioning of the devices.
7. Describe Language translator and its type  
A tool is required to translate a program written in programming language to machine language.  
Types:
  1. Assembler
  2. Compiler
  3. Interpreter

8. What is Compiler?

The programs written in any high level programming language are converted into machine language using compiler.

9. Define Interpreter.

It analyses and executes the source code in line by line manner without looking at the entire program.

10. Describe about assembler

The assembly language program must be translated into machine code by a separate program called an assembler.

11. What is System utility

System utility programs perform day to day tasks related to the maintenance of the computer system.

12. Define application software

Application software is the set of programs necessary to carry out operations for a specific application.

13. List some of the application software

- Word Processor
- Spread sheet
- Image editors
- Presentation software
- Desktop publication software

14. What are the basic steps in software development?

- Requirement analysis
- Design
- Implementation
- Testing
- Maintenance.

15. What is an Internet?

Internet is a network of networks. Several networks are connected together to form the internet.

16. Give some of the basic Internet terms?

Webpage  
Website  
Home Page  
Browser  
URL  
ISP  
Web server

## 17. Define Webpage

It is an electronic document written in computer language called HTML.

## 18. Describe about website.

It is a set of related web pages, published by an organization or individual.

## 19. Give sort notes about browser

A browser is a computer program that accesses web page. To access the world wide web, the user requires a web browser.

## 20. Write down some of the web browser's name?

- Internet Explorer
- Netscape Navigator
- Mozilla
- Opera

## 21. What are the types of browser?

- Graphical browser
- Text browser

## 22. Define URL

Each webpage has a unique address called Uniform Resource Locator (URL) that identifies its location on the Internet.

## 23. What are the main operations of CPU?

- Fetch
- decode
- execute
- Write back.

## 24. Describe about ISP.

It is an organization that provides that the required software, used to connect to the Internet.

## 25. What is web server?

A web server is a computer that answers request from user's computer. It serves images & static content such as web pages to fill the client's requests.

## 26. Compare Download and Upload?

S. no	Download	Upload
1	It refers the activity of moving or copying a document from the internet	It refers the user moving or copying a document to the internet
2	It is the process of " Pulling"	Moves or copy the data a

information from one computer to another computer to another, usually to server.

27. Define online

The term online is commonly referred to as connected to the world wide web via internet.

28. Describe about offline

It refers to the actions performed when the user is not connected via telecommunications, to another computer or a network like the internet.

29. What is the use of modem

A modem (Modulator- demodulator) is a hardware which converts digital data into analog signal.

30. Write down the types of modem

- Internal Modem
- External Modem

31. Give some types of Internet Connection.

- Dial Up
- ISDN
- Cable Modem
- Leased Line
- DSL
- Broad band

32. List the some application of Internet.

- Internet Telephony
- Video Conferencing
- Newsgroup
- Mailing List
- E-Mail

### **Part B (16 Mark Questions)**

1. What is Computer software and explain its types
2. Give some brief notes about System Software and give some examples
3. Give the comparison between the high level & the assembly language
4. Describe about application software with examples
5. Define Internet. Explain its evolution
6. What are the terms used in internet and describe it.
7. How can we connect to the internet? Explain the methods we are using.

8. Explain the application of the software