

## Introduction to Systems

Sr	Questions	Answers Choice
1	Which systems involve the mind and behavior?	A. Artificial B. Chemical C. Psychological D. Biological
2	Which of the following best describes an artificial system?	A. A system that exists naturally without human intervention B. A system that is created, designed and controlled by humans C. A system that cannot be modified once created D. A system that always operates automatically
3	Which of the following is an example of a hybrid system (combination of natural and artificial system)?	A. Human respiratory system B. A weather forecasting system C. A dam controlling river water flow D. A simple pendulum
4	What is the primary purpose of the DNS (Domain Name System) Protocol?	A. To assign IP addresses to devices B. To map domain names to IP Address C. To ensure secure transmission of data D. To transfer files over the internet.
5	Which of the following components is NOT a part of the Von Neumann architecture?	A. Central Processing Unit (CPU) B. Input/Output devices C. Control Unit (CU) D. Graphics Processing Unit (GPU)
6	What are the basic components of a system?	A. Users, hardware, software B. Objectives, components, environment, communication C. Input, Output, processes D. Sensors, actuators, controllers
7	In Von Neumann architecture, which component is responsible for controlling the flow of instructions and data?	A. Arithmetic Logic Unit (ALU) B. Control Unit (CU) C. Cache Memory D. Input/Output devices
8	Which of the following protocols is used to transfer web pages from a web server in a web browser?	A. FTP (File Transfer Protocol) B. HTTP (Hyper text Transfer Protocol) C. SMTP (Simple Mail Transfer Protocol) D. SNMP (Simple Network Management Protocol)
9	What concept does the theory of systems aim to understand.	A. Hardware design B. System interactions and development over time. C. Software applications D. Network security
10	What role does the Operating system (OS) play in a computer?	A. It performs calculations and executes instructions B. It temporarily stores data and instructions for the CPU C. It receives input from interface components and decides what to do with it. D. It provides long-term storage of data and software
11	Which protocol is used to send emails over the internet?	A. POP3 (Post Office Protocol 3) B. FTP (File Transfer Protocol) C. SMTP (Simple Mail Transfer Protocol) D. IMAP (Internet Message Access Protocol)
12	Which of the following is a storage device used to permanently store data in a computer?	A. Random Access Memory (RAM) B. Cache Memory C. Hard Disk Drive (HDD) D. Solid State Drive (SSD)

		C. Hard Disk Drive(HDD) D. Arithmetic logic Unit(ALU)
13	Which of the following is an input device?	A. Monitor B. Printer C. Keyboard D. Speaker
14	What type of environment remains unchanged unless the system provides an output.	A. Dynamic B. Static C. Deterministic D. Non-deterministic
15	What is the main disadvantage of the Von Neumann architecture.	A. High cost of components. B. Difficulty in executing machine language instructions C. Limited data storage capacity D. Bottleneck due to shared memory access for instructions and data
16	Which is the primary function of an operating system in a computer system?	A. To provide hardware components B. To manage hardware and software resources. C. To act as an input device D. to manufacture computer parts.
17	What is an example of a simple system?	A. A Human body B. Computer Network C. A thermostat regulating temperature D. The Internet
18	Which of the following is NOT an example of an artificial system?	A. Solar system B. Traffic control system C. Automated billing system D. Railway reservation system
19	Which systems consist on living organism?	A. Artificial B. Chemical C. Psychological D. Biological
20	Which systemss involve substances and their Interactions?	A. Artificial B. Chemical C. Psychological D. Biological