

Introduction to Systems

Sr	Questions	Answers Choice
1	Which of the following is NOT an example of an artificial system?	<p>A. Solar system</p> <p>B. Traffic control system</p> <p>C. Automated billing system</p> <p>D. Railway reservation system</p>
2	Which systems consist on living organism?	<p>A. Artificial</p> <p>B. Chemical</p> <p>C. Psychological</p> <p>D. Biological</p>
3	What concept does the theory of system aim to understand.	<p>A. Hardware design</p> <p>B. System interactions and development over time.</p> <p>C. Software applications</p> <p>D. Net work security</p>
4	What are teh basic components of a system?	<p>A. Users, hardware , software</p> <p>B. Objectives, components, environment, communication</p> <p>C. Input, Output, processes</p> <p>D. Sensors,actuators, controllers</p>
5	What is the primary function of a system.	<p>A. To work independently</p> <p>B. To achieve a common goal</p> <p>C. To create new systems</p> <p>D. To provide entertainment</p>
6	Which protocol is used to send emails over the internet?	<p>A. POP3 (Post Office Protocol 3)</p> <p>B. FTP (File Trnasfer Protocol)</p> <p>C. SMTP (Simple Mail Transfer Protocol)</p> <p>D. IMAP (Internet Message Access Protocol)</p>
7	What is the key difference between natural and artificial systems?	<p>A. Natural systems are created by humans , while artificial system exist naturally</p> <p>B. Natural systems exist naturally, while artificial systems are man - made</p> <p>C. Natural systems are always simple while artificial systems are complex.</p> <p>D. Natural systmes require programming, while artificial systems do not.</p>
8	Which of the following protocol is used to transfer web pages from a web server in a web browser?	<p>A. FTP (File Transfer Protocol)</p> <p>B. HTTP (Hyper text Transfer Protocol)</p> <p>C. SMTP(Simple Mail Transfer Protocol)</p> <p>D. SNMP (Simple Network Managemetn Protocol)</p>
9	Which of the following is the "Brain " of a computer system.	<p>A. Hard Disk Drive (HDD)</p> <p>B. Central Processing Unit (CPU)</p> <p>C. Random Access Memory (RAM)</p> <p>D. Power supply Unit(PSU)</p>
10	In Von Neumannarchitecture, which component is responsible for controlling the flow of instructions and data?	<p>A. Arithmetic Logic Unit (ALU)</p> <p>B. Control Unit(CU)</p> <p>C. Cache Memory</p> <p>D. Input/Output devices</p>
11	Which of the following is a key characteristic of the Von Neumann architecture?	<p>A. separate memory for instructions and data</p> <p>B. Instructions and data are data in the same memory</p> <p>C. Data is stored in a separate storage unit from instructions</p> <p>D. No need for a central processing Unit (CPU)</p>
		<p>A. It performs calculations and executes instructions</p>

12	What role does the Operating system (OS) play in a computer?	<p>B. It temporarily stores data and instructions for the CPU</p> <p>C. It receives input from interface components and decides what to do with it.</p> <p>D. It provides long-term storage of data and software</p>
13	What is an example of a simple system?	<p>A. A Human body</p> <p>B. Computer Network</p> <p>C. A thermostat regulating temperature</p> <p>D. The Internet</p>
14	Which protocol is responsible for assigning IP addresses to devices on a network?	<p>A. DNS (Domain Name system)</p> <p>B. DHCP (Dynamic Host Configuration Protocol)</p> <p>C. TCP (Transmission Control Protocol)</p> <p>D. ARP (Address Resolution Protocol)</p>
15	What is one of the fundamental concepts of any system.	<p>A. Its size</p> <p>B. Its Objective</p> <p>C. Its age</p> <p>D. Its Prize</p>
16	What type of environment remains unchanged unless the system provides an output.	<p>A. Dynamic</p> <p>B. Static</p> <p>C. Deterministic</p> <p>D. Non-deterministic</p>
17	Which is the primary function of an operating system in a computer system?	<p>A. To provide hardware components</p> <p>B. To manage hardware and software resources.</p> <p>C. To act as an input device</p> <p>D. to manufacture computer parts.</p>
18	Which Protocol ensures reliable data transmission between two devices over the Internet.	<p>A. UDP (User Datagram Protocol)</p> <p>B. TCP (Transmission Control Protocol)</p> <p>C. IP (Internet Protocol)</p> <p>D. ICMP (Internet Control Message Protocol)</p>
19	Which of the following is a storage device used to permanently store data in a computer	<p>A. Random Access Memory(RAM)</p> <p>B. Cache Memory</p> <p>C. Hard Disk Drive(HDD)</p> <p>D. Arithmetic logic Unit(ALU)</p>
20	Which systems involve substances and their interactions?	<p>A. Artificial</p> <p>B. Chemical</p> <p>C. Psychological</p> <p>D. Biological</p>