Introduction to Systems

Sr	Questions	Answers Choice
1	Which Protocol ensures reliable data transmission between two devices over the Internet.	A. UDP (User Datagram Protocol) B. TCP (Transmision Control Protocol) C. IP (Internet Protocol) D. ICMP (Internet Control Message Protocol)
2	Which systemss involve substances and their Interactions?	A. Artificial B. Chemical C. Psychological D. Biological
3	What concept does thetheory of system aim to understand.	A. Hardware design B. System interactions and development over time. C. Software applications D. Net work security
4	How does the Von Neumann architecturer differ from the Harvard architecture?	A. Von Neumannhas separate memery for data and instructions, while Harvard shares the same memory. B. Von Neumann stores data and instuctions in the same memory C. Von Neumann has no control unit while Harvard does D. Von Neumann is used in modern processors, while Harvard is outdated
5	Whcih of the following best descibes an artificial system?	A. A system hat 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 alwyas operates automatically
6	Which of the following protocol 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 Managemetn Protocol)
7	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 strorage capacity D. Bottleneck due to shared memory access for instructions and data
8	What is the primary purpoe 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.
9	Which systems consist on living organism?	A. Artifical B. Chemical C. Psychological D. Biological
10	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
11	What are teh basic components of a system?	A. Users, hardware , software B. Objectives, components, environment, communication C. Input, Output, processes D. Sensors,actuators, controllers

12	What is an example of a simple system?	A. A Human body B. Computer Network C. A thermostal regulating temperature D. The Internet
13	Which of the following is an example of a Natural system.	A. Banking System B. Human Circulatory system C. Transporation System D. Computer System
14	In Von Neumannarchitecture, 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
15	Which of the following is the "Brain " of a computer system.	A. Hard Disk Drive (HDD) B. Central Processing Unit (CPU) C. Random Access Memory (RAM) D. Power supply Unit(PSU)
16	Which of the following is a key characteristic of the Von Neumann architecture?	A. separate memory for instructions and data B. Instructions and data are data in the same memory C. Data is stored in a separate storage unit from instructions D. No need for a central processing Unit (CPU)
17	Which of the following transports data inside a computer among differente components?	A. Control Unit B. System Bus C. Memory D. Processor
18	Which sysems involve the mind and behavior?	A. Artificial B. Chemical C. Psychological D. Biological
19	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 imput from interface components and decides what to do with it. D. It provides long-term storage of data and software
20	What is one of the fundamntal concepts of any system.	A. Its size B. Its Objective C. Its age D. Its Prize