

Introduction to Systems

Sr	Questions	Answers Choice
1	Which of the following transports data inside a computer among different components?	A. Control Unit B. System Bus C. Memory D. Processor
2	What is a disadvantage of the Von Neumann architecture?	A. Complex design due to separate memory spaces B. Difficult to modify program stored in memory C. Bottleneck due to single memory space for instructions and data D. Lack of flexibility in executing instructions
3	Which of the following describes the Von Neumann architecture's main characteristic?	A. Separate memory for data and instructions B. Parallel execution of instructions C. Single memory store for both program instructions and data D. Multiple CPUs for different tasks
4	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
5	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
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	What type of environment remains unchanged unless the system provides an output.	A. Dynamic B. Static C. Deterministic D. Non-deterministic
8	What is an example of a simple system?	A. A human body B. Computer Network C. A thermostat regulating temperature D. The Internet
9	What is one of the fundamental concepts of any system.	A. Its size B. Its Objective C. Its age D. Its Prize
10	What is the primary function of a system.	A. To work independently B. To achieve a common goal C. To create new systems D. To provide entertainment
11	Which systems consist of living organisms?	A. Artificial B. Chemical C. Psychological D. Biological
12	Which systems involve substances and their interactions?	A. Artificial B. Chemical C. Psychological D. Biological