

1. Which of the following interfacing chips is commonly used for I/O operations in microprocessor systems?

- a) 8155
- b) 8255
- c) ADC
- d) DAC

Answer: b) 8255

Explanation: The 8255 chip is commonly used for interfacing I/O devices with microprocessor systems. It provides three ports, each of which can be individually programmed as input or output.

2. Which interfacing chip is used for connecting keyboards and displays in microprocessor-based systems?

- a) ADC
- b) DAC
- c) 8155
- d) 8255

Answer: c) 8155

Explanation: The 8155 chip is commonly used for keyboard and display interfacing in microprocessor systems. It provides I/O ports along with timer/counter functionality.

3. What is the primary function of an ADC interfacing chip in a microprocessor system?

- a) Digital to Analog Conversion
- b) Analog to Digital Conversion
- c) Keyboard interfacing

d) Memory interfacing

Answer: b) Analog to Digital Conversion

Explanation: ADC (Analog to Digital Converter) interfacing chips are used to convert analog signals from sensors or other devices into digital data that can be processed by the microprocessor.

4. Which of the following chips is used for interfacing LEDs in microprocessor systems?

- a) 8255
- b) DAC
- c) ADC
- d) 8155

Answer: a) 8255

Explanation: The 8255 chip can be used for interfacing LEDs in microprocessor systems by configuring its ports as outputs and driving the LEDs accordingly.

5. Which interfacing chip is primarily used for converting digital signals to analog voltages?

- a) ADC
- b) 8255
- c) DAC
- d) 8155

Answer: c) DAC

Explanation: DAC (Digital to Analog Converter) chips are used to convert digital signals from the microprocessor into corresponding analog voltages or currents.

6. In a microprocessor system, which chip is responsible for interfacing memory modules with

the CPU?

- a) ADC
- b) DAC
- c) 8155
- d) 8255

Answer: d) 8255

Explanation: The 8255 chip is not used for memory interfacing. Instead, memory interfacing is typically handled by specialized memory interfacing chips or directly by the microprocessor itself through its address and data buses.

7. What is the primary purpose of interfacing a keyboard with a microprocessor system?

- a) Input data from the keyboard to the microprocessor
- b) Output data from the microprocessor to the keyboard
- c) Convert analog signals to digital signals
- d) Convert digital signals to analog signals

Answer: a) Input data from the keyboard to the microprocessor

Explanation: Interfacing a keyboard with a microprocessor system allows users to input data or commands that can be processed by the microprocessor.

8. Which chip is commonly used for expanding the I/O capabilities of a microprocessor system?

- a) ADC
- b) DAC
- c) 8155
- d) 8255

Answer: c) 8155

Explanation: The 8155 chip is commonly used for expanding the I/O capabilities of a microprocessor system by providing additional input/output ports.

9. What type of data does an ADC chip convert into digital form?

- a) Analog
- b) Digital
- c) Binary
- d) Hexadecimal

Answer: a) Analog

Explanation: ADC chips convert analog data, such as voltage or current levels, into digital form that can be processed by the microprocessor.

10. Which chip is primarily responsible for controlling the flow of data between the microprocessor and external devices?

- a) ADC
- b) DAC
- c) 8255
- d) 8155

Answer: c) 8255

Explanation: The 8255 chip is primarily responsible for controlling the flow of data between the microprocessor and external devices by providing I/O ports that can be programmed for input or output operations.

Related posts:

1. Web Development Essentials MCQs
2. HTML MCQs
3. Style sheets MCQs
4. XML MCQs
5. PHP and MySQL MCQs
6. Basics of programming MCQs
7. Decision control structure MCQs
8. Array MCQS
9. C Programming Essentials Structures, Preprocessor, and Unions MCQs
10. Basic concepts of OOP MCQS
11. Unix/Linux MCQs
12. The Shell Basic Commands, Shell Programming MCQs
13. File System MCQs
14. Process Control MCQS
15. System Security MCQs.
16. Dynamic Host Configuration Protocol MCQs
17. Introduction to Energy Science MCQs
18. Ecosystems mcqs
19. Biodiversity and its conservation MCQs
20. Environmental Pollution mcqs
21. Social Issues and the Environment mcqs
22. Signals and Systems MCQs
23. Linear Time- Invariant Systems mcqs
24. z-Transform mcqs
25. Fourier analysis of discrete time signals mcqs

26. State-Space Analysis, Sampling Theorem, and Signal Reconstruction mcqs
27. Frequency domain representation of signal mcqs
28. Modulation Techniques mcqs
29. FM Modulation & Transmission MCQs
30. Understanding AM and FM Transmission Noise and Receiver Characteristics
31. Control System MCQs: Basics, Feedback, and Analysis
32. Control System Analysis MCQs
33. Frequency Domain Analysis MCQs
34. System Design and Compensation Techniques MCQs
35. State Space & Control Systems MCQs
36. Feedback Amplifiers and Oscillators MCQs
37. Introduction to ICs and Op-Amps MCQs
38. Op-Amp Characteristics MCQs
39. OP-AMP applications MCQs
40. Electronic Circuits with 555 Timer MCQs
41. Voltage Regulator MCQs
42. Discrete-Time Signals and Systems MCqs
43. The z-Transformmcqs
44. Frequency Analysis of Discrete Time Signals mcqs
45. Efficient Computation of the DFT mcqs
46. Digital filters Design Techniques Mcqs
47. Radiation mcqs
48. Antenna Fundamentals mcqs
49. Types of antennas mcqs
50. Aperture and slot mcqs
51. Propagation of radio waves mcqs
52. Data Communication mcqs

53. OSI model mcqs
54. ERROR CONTROL AND DATA LINK PROTOCOLS mcqs
55. NETWORKS mcqs
56. NETWORKING DEVICES AND TCP / IP PROTOCOL SUITE mcqs
57. CMOS VLSI Circuit Design MCQs
58. Specification of sequential systems mcqs
59. Satellite Systems and Orbital Mechanics MCQs
60. Satellite Communication & Polarization MCQs
61. Satellite and Earth Segment MCQs
62. Satellite Communication MCQs
63. Satellite Services MCQs
64. 8051 Interfacing & Serial Communication MCQs
65. MCU Overview 8096 and PIC mcqs
66. Introduction to Embedded Systems mcqs
67. Embedded System Architecture mcqs
68. Input Output and Peripheral Devices mcqs
69. PHYSIOLOGY AND TRANSDUCERS mcqs
70. ELECTRO - PHYSIOLOGICAL MEASUREMENTS mcqs
71. NON-ELECTRICAL PARAMETER MEASUREMENTS mcqs
72. MEDICAL IMAGING MCQS
73. ASSISTING AND THERAPEUTIC EQUIPMENTS MCQS
74. Power Semiconductor Switches MCQS
75. Rectifiers and Thyristors MCQs
76. Inverters & Cycloconverters Inverters MCQs
77. AC Voltage Controllers MCQs
78. DC - DC Converters MCQS
79. Practical Consideration and Technology in VLSI Design MCQs

80. Device Modeling MCQs
81. Circuit Simulation MCQs
82. Structured Digital Circuits and Systems MCQs
83. CMOS Processing Technology MCQs
84. Microwave Engineering MCQs
85. Microwave Semiconductor Devices MCQs
86. RF Network Analysis & Measurement MCQs
87. Microwave Components and Circuits MCQs
88. RF & Microwave Circuit Design MCQs
89. Information Theory MCQs
90. Coding theorem MCQs
91. Information Channels MCQs
92. Error Control Coding MCQs
93. BCH and Convolutional Codes MCQs
94. Nanoscale Semiconductor Physics MCQs
95. Introduction to lithography MCQs
96. Tunnel Junctions and Tunneling Phenomena MCQs
97. Nanoelectronics MCQs
98. Scaling of physical systems MCQs
99. Cellular Mobile Systems MCQs
100. Wireless Communication Essentials MCQs
101. Cochannel interference reduction MCQs
102. Types of Noncochannel interference MCQS
103. Cellular Network Management MCQs
104. Digital Cellular Systems MCQs
105. IoT Essentials MCQs
106. IoT Technologies MCQs



107. Design Principles for Web Connectivity MCQs
108. IoT Technologies MCQS
109. IOT Design methodology MCQs
110. Probability and Random Variable MCQs
111. Probability Distributions and Expectations MCQs
112. Multiple Random Variables MCQS
113. Stochastic Processes MCQs
114. Optical Fiber Basics MCQs
115. Signal degradation in Optical Fibre MCQs
116. Optical sources and detectors MCQs
117. Optical Communication MCQs
118. Optical networks and amplifiers MCQS
119. 5G Wireless Communications MCQ
120. 5G Wireless Propagation Channels MCQS
121. 5G Transmission and Design Techniques MCQS
122. D2D and M2M Communications MCQS
123. Millimeter-Wave Communications MCQs
124. Review of Cellular Networks MCQS
125. LTE systems MCQS
126. Wireless Sensor Networks MCQS
127. Wireless routing Protocols MCQS
128. Internet of things (IoT) and GPS systems MCQS
129. Digital Image Processing MCQs
130. Transforms and Their Properties MCQs
131. Image Enhancement Techniques MCQs
132. Image Restoration MCQs
133. Compression & Image Watermarking MCQs

134. Speech Processing Fundamentals MCQs
135. Speech Distortion Analysis MCQs
136. HMMs in Speech Modeling MCQs
137. Large Vocabulary Continuous Speech Recognition MCQS
138. Text-to-Speech Synthesis MCQS
139. Theory of Measurement MCQs
140. Cathode Ray Tubes, Oscilloscopes, and Bridge Circuits MCQs
141. Transducer MCQs
142. Signal and Function Generators, Displays MCQS
143. Digital and Analog Conversion MCQs
144. Number Systems MCQS
145. Combinational logic circuits MCQS
146. Sequential Logic Design MCQs
147. Registers and Counters MCQS
148. Logic Families and Semiconductor Memories MCQS
149. Semiconductor MCQs
150. Diode Circuits & Power Supply MCQs
151. Fundamentals of BJT MCQS
152. Small Signal analysis MCQs
153. Electronic Devices MCQs
154. Introduction to circuit theory MCQS
155. Network Graph theory MCQs
156. Network Theorems MCQS
157. Electrical Circuit Analysis and Laplace Transform MCQs
158. Two port parameters MCQS
159. Evolution of Microprocessors: From 8086 to Pentium MCQs
160. 8086 Microprocessor MCQs

161. Peripheral Devices in Computer Systems MCQS
162. 8051 Microcontrollers & Embedded Systems MCQs
163. Sampling, Modulation, and Multiplexing MCQs
164. Digital Communication Techniques MCQs
165. Digital Modulation Techniques MCQs
166. Modulation Techniques and Signal Processing MCQs
167. Information Theory and Communication MCqs
168. Two-Port Networks and Matching Techniques MCQs
169. Passive LC Filters MCQs
170. Transmission Line Fundamentals MCQs
171. RF Transmission Lines and Matching Techniques: MCQs
172. Docks and Locks MCQS
173. Geographic Information System MCQS
174. Entrepreneurship MCQs
175. Floor and Roof Construction MCQs
176. Railway Track Design and Signaling MCQs
177. Geology, Remote Sensing, and GIS MCQs
178. Response to harmonic and periodic vibrations MCQS
179. Miscellaneous Services MCQS
180. Water Treatment methods MCQs
181. Prefabrication in Construction MCQs
182. Rigid pavement design MCQs
183. Uniform flow in open channels MCQs
184. Contemporary Issues & Enforcement of IPR MCQs
185. Inventory Models MCQs
186. Hydrological Cycle mCQs
187. Foundations on problematic soil & Introduction to Geosynthetics MCQs

- 188. Response Spectrum MCQs
- 189. Introduction to learning ,ANN MCQs
- 190. Integrated Water Resources Management (IWRM) Approach MCQs
- 191. Fundamental Aspects of Vibrations MCQs
- 192. Electrical and Hydraulic Actuators MCQs
- 193. Liquid alternative fuels MCQs
- 194. Display systems and anthropometric data MCQs
- 195. Assembly of Elements and Matrices MCQs
- 196. Chassis & Body Engg MCQs
- 197. Understanding Wear Mechanisms MCQs
- 198. Production Systems MCQs
- 199. Energy Management MCQs
- 200. Productivity and Operations MCQs