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Integrated Circuits MCQ Test

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Below is the **Integrated Circuits MCQ** test that checks your basic knowledge of Integrated Circuits. This **Integrated Circuits MCQ Test** contains 20 Multiple Choice Questions. You have to select the right answer to the question. Finally, you can also take the Online Quiz from the Take **Integrated Circuits Quiz** Button.

Q1. Which of the following cannot be fabricated on an IC?

- A. Diodes
- B. Resistors
- **C. Large inductors and transformers**
- D. Transistors

Q2. Integrated Circuits are generally made of

- A. Copper
- B. Silicon
- **C. Germanium**
- D. None of the above

Q3. Which of the following IC is the most commonly used?

- A. Hybrid
- B. Thin films
- **C. Monolithic**
- D. None of the above

Q4. What is the most popular form of the IC package?

- **A. Flatpack**
- B. DIL

- C. TO-5
- D. All of the above

Q5. An audio amplifier is an example of which of the following?

- **A. Linear IC**
- B. Digital IC
- C. Both A & B
- D. None of the above

Q6. Which are the active components in an IC?

- A. Resistors
- B. Capacitors
- **C. Transistors and diodes**
- D. All of the above

Q7. Which of the following ICs are used in computers?

- A. Linear
- **B. Digital**
- C. Both digital and linear
- D. None of the above

Q8. Operational amplifiers use Digital ICs.

- **A. True**
- B. False

Q9. A transistor takes inductor on a silicon IC chip

- A. More space than
- B. Same space as
- **C. Less space than**
- D. All of the above

Q10. is most difficult to fabricate in an IC.

- A. FET
- B. Diode
- C. Transistor
- **D. Capacitor**

Q11. Which of the following is the disadvantage of an integrated circuit?

- A. Low power requirement
- **B. Parameter within the IC cannot be modified**
- C. ICs are considered to use minimum number of external connections
- D. All of the above

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Q13. is the different version of IC 741C.

- A. 741S
- B. 741E
- C. 741A
- **D. 741SC**

Q14. The First generation op-amp

- A. Has latch-up problem
- **B. Have short circuit protection**
- C. Consists of hundred transistors/chip
- D. None of the above

Q15. What is a time varying response?

- **A. Transient response**
- B. Steady state response
- C. Both Steady state and transient response

- **D. None of the above**

Q16. Which is not the internal circuit of operational amplifier?

- **A. Clamper**
- B. Output Driver
- C. Level Translator
- D. Differential amplifier

Q17. Which kind of integrated circuit is suitable for small quantity custom circuits?

- A. Linear IC
- B. Digital IC
- **C. Hybrid IC**
- D. Monolithic IC

Q18. What do the Monolithic Integrated Circuits exhibit?

- **A. Thermal stability**
- B. Non-matched devices
- C. Increase in power consumption
- D. None of the above

Q19. Which of the following tools is generally required to see the connection between the component of an IC?

- A. Lenses
- B. Telescope
- **C. Microscope**
- D. Microphone

Q20. Basically, PLL is used to lock

- A. Its output frequency
- B. Phase to the frequency
- C. Phase of the input signal
- **D. All of the above**