

ITI Quiz - 13-May-2026

12:17 PM

Q. ID: ITISKILL2243JV

May 2026

Answer Key

Duration: 30 Mins

Total Marks: 14

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1. What is the maximum power dissipation for a 555 IC?

- A) Above 800 mW
- B) Below 500 mW
- C) Exactly 300 Mw
- D) Exactly 300 Mw

Answer: C) Exactly 300 Mw

2. What is the output produced in the ADC circuit?

- A) Triangular wave output
- B) Triangular wave output
- C) Analog output
- D) Sinewave output

Answer: A) Triangular wave output

3. Which is the fastest A/D conversion techniques?

- A) High to medium speed data acquisition applies
- B) Low speed data acquisition applies
- C) Absolute conversion accuracy
- D) Absolute conversion accuracy

Answer: C) Absolute conversion accuracy

4. Which process the ICS are made?

- A) Micro photo - lithographic process
- B) Point contact junction process
- C) Point contact junction process
- D) Grown junction process

Answer: A) Micro photo - lithographic process

5. Which mode is used in differential amplifier?

- A) Common emitter
- B) Common emitter
- C) Common base
- D) Common - mode operation

Answer: D) Common - mode operation

6. Rate of change of input voltage

- A) Rate of change of output frequency
- B) Rate of change of input voltage
- C) Rate of change of output voltage
- D) Rate of change of output voltage

Answer: C) Rate of change of output voltage

7. Which is the output pin number IC 555 timer?

- A) Pin number 5
- B) Pin number 5
- C) Pin number 6
- D) Pin number 3

Answer: D) Pin number 3

8. Which is the major factor determines the quality performance of A/D converter?

- A) Depends on data latch
- B) Conversion cycle
- C) Measuring parameter
- D) Measuring parameter

Answer: C) Measuring parameter

9. How the pass band gain of the circuit is expressed?

- A) In volts
- B) In hertz
- C) In hertz
- D) In ampere

Answer: B) In hertz

10. What is the function of astable multivibrator in timer IC 555?

- A) Serving as an oscillator
- B) Serving as an oscillator
- C) Acting as transducers
- D) Serving as comparator

Answer: A) Serving as an oscillator

11. How many Op-Amps are fabricated inside the LM 324 IC pack?

- A) Five Op-Amps
- B) Two Op-Amps
- C) Three Op-Amps
- D) Three Op-Amps

Answer: C) Three Op-Amps

12. Which is the major factor to determine the quality performance of A/D converter?

- A) Number of bits used
- B) Number of bits used
- C) Degree of accuracy
- D) Proportional to the binary weight

Answer: A) Number of bits used

13. What is the limitation of integrated circuits?

- A) Increased reliability
- B) Drains more current
- C) Greater flexibility
- D) Greater flexibility

Answer: C) Greater flexibility

14. What is the name of the ratio of ON-time pulse to the OFF-time pulse of multivibrator?

- A) Threshold comparator
- B) Control voltage
- C) Pulse repetition
- D) Pulse repetition

Answer: C) Pulse repetition