

# ITI Quiz - 13-May-2026

## 12:17 PM

Q. ID: ITISKILL2243JV

May 2026

Question Paper

Duration: 30 Mins

Total Marks: 14

ID: ITISKILL2243JV

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

6. Which mode is used in differential amplifier?

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

7. Rate of change of input voltage

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

8. Which process the ICS are made?

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

9. What is the limitation of integrated circuits?

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

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

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

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

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

12. 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

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

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

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

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