

ITI Quiz - 13-May-2026

12:17 PM

Q. ID: ITISKILL5448EG

May 2026

Question Paper

Duration: 30 Mins

Total Marks: 14

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Student Name: _____ Roll No: _____

1. Which process the ICS are made?
A) Point contact junction process
B) Point contact junction process
C) Micro photo - lithographic process
D) Grown junction process
2. Which mode is used in differential amplifier?
A) Common base
B) Common - mode operation
C) Common emitter
D) Common emitter
3. 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
4. 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) Proportional to the binary weight
D) Degree of accuracy
5. How many Op-Amps are fabricated inside the LM 324 IC pack?
A) Five Op-Amps
B) Three Op-Amps
C) Three Op-Amps
D) Two Op-Amps
6. What is the output produced in the ADC circuit?
A) Triangular wave output
B) Triangular wave output
C) Analog output
D) Sinewave output
7. 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
8. What is the limitation of integrated circuits?
A) Greater flexibility
B) Greater flexibility
C) Increased reliability
D) Drains more current
9. What is the maximum power dissipation for a 555 IC?
A) Exactly 300 Mw
B) Exactly 300 Mw
C) Below 500 mW
D) Above 800 mW
10. How the pass band gain of the circuit is expressed?
A) In ampere
B) In hertz
C) In hertz
D) In volts
11. Rate of change of input voltage
A) Rate of change of input voltage
B) Rate of change of output voltage
C) Rate of change of output voltage
D) Rate of change of output frequency
12. What is the name of the ratio of ON-time pulse to the OFF-time pulse of multivibrator?
A) Control voltage
B) Pulse repetition
C) Pulse repetition
D) Threshold comparator
13. Which is the fastest A/D conversion techniques?
A) Low speed data acquisition applies
B) High to medium speed data acquisition applies
C) Absolute conversion accuracy
D) Absolute conversion accuracy
14. Which is the output pin number IC 555 timer?
A) Pin number 3
B) Pin number 5
C) Pin number 5
D) Pin number 6