

March 2026

Sri Mahalingeswara ITI

Answer Key

Duration: 30 Mins**Total Marks: 10****Q.ID: ITISKILL50168S**

1. Which three terminal voltage regulator IC has adjustable output?

- A) LM 305 B) LM 317
C) LM 100 D) LM 105

Answer: B) LM 317

2. Which method is followed to troubleshoot the problem causing section by the symptom?

- A) Step by step method B) Trial and error method
C) Sensory test method D) Logical approach method

Answer: D) Logical approach method

3. What is the range of output voltage of regulator IC LM 317?

- A) 0 to 30 V B) 0 to 25 V
C) 1.2 V to 32 V D) 0 to 32 V

Answer: C) 1.2 V to 32 V

4. How many transistors are built inside the Very Large Scale Integration (VLSI) IC package?

- A) 10 to 100 transistors B) 100 to 1000 transistors
C) 1 to 10 transistors D) 1000 and above

Answer: D) 1000 and above

5. What is the current rating of voltage regulator IC LM338K?

- A) 4A B) 2A
C) 3A D) 5A

Answer: D) 5A

6. Which type of voltage regulator is IC 723?

- A) Three pin adjustable voltage regulator B) Multipin variable voltage regulator
C) Three pin negative voltage regulator D) Three pin positive voltage regulator

Answer: A) Three pin adjustable voltage regulator

7. How much is the maximum load current of the negative voltage regulator IC 7912?

- A) 1.5 A B) 2.0 A
C) 1.0 A D) 0.55 A

Answer: B) 2.0 A

8. Which IC package consist of 100 to 1000 transistors?

- A) Very large scale integration (VLSI) B) Medium scale integration (MSI)
C) Large scale integration (LSI) D) Small scale integration (SSI)

Answer: C) Large scale integration (LSI)

9. What is the current rating of voltage regulator IC LM317L?

- A) 0.4 A B) 0.1 A
C) 0.3 A D) 0.2 A

Answer: B) 0.1 A

10. Which is the 3 terminal, negative voltage regulator IC?

- A) LM 320 B) IC 7905
C) LM 340 D) IC 7812

Answer: B) IC 7905