



Ministry of Micro, Small and Medium Enterprises,
Government of India

CENTRAL TOOL ROOM & TRAINING CENTRE, KOLKATA
GOVT. OF INDIA SOCIETY
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
SAMSUNG A.R.I.S.E PROGRAMME
RACHA BASICS



Name: _____ Date: _____

Max Marks: 25 Achieved: _____ Trainer Signature: _____/_____

- 1) Diode is a -
 - a) Conductor
 - b) Insulator
 - c) Transistor
 - d) Semiconductor
- 2) Which doping agent is used to make N type extrinsic semiconductor –
 - a) Indium
 - b) Germanium
 - c) Gallium
 - d) Arsenic
- 3) By continuity test we can know whether the circuit is -
 - a) Open
 - b) Close
 - c) Both
 - d) Cannot be determined
- 4) To measure 10Amp current we have to set the meter in –
 - a) COM & mVAΩ port
 - b) mVAΩ & 10A port
 - c) COM & 10A port
 - d) None of these
- 5) When the multimeter is showing “OL” that means the meter is
 - a) Open
 - b) Not properly connected
 - c) Over loaded
 - d) device is damaged
- 6) When measuring voltage in an wall socket we have to put the multimeter in –
 - a) 500V_{d.c}
 - b) 200 A_{d.c}
 - c) 500V_{a.c}
 - d) None of these
- 7) Which one is an intrinsic semiconductor –
 - a) Silicon
 - b) Gallium
 - c) Germanium
 - d) Both a & c
- 8) Which one is an acceptor impurity -
 - a) Silicon
 - b) Gallium
 - c) Germanium
 - d) Both a & c
- 9) In Forward Bias current flows in a PN junction Diode - State TRUE or FALSE
 - a) TRUE
 - b) FALSE
- 10) In reverse bias which battery terminal should be connected to the N junction of a PN junction diode-
 - a) Low (Negative)
 - b) High(Positive)
 - c) Any of these
 - d) None of these
- 11) The barrier potential of Silicon type PN junction is
 - a) 0.2V
 - b) 0.3V
 - c) 0.6V
 - d) 0.7V



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- 23) In which type of compressor Muffler is used
- | | |
|------------------|-----------|
| a) Reciprocating | b) Rotary |
| c) Screw | d) Scroll |
- 24) $11^{\circ}\text{C} = \text{_____K}$
- | | |
|---------|--------|
| a) 100 | b) 22 |
| c) 1000 | d) 284 |
- 25) $-40^{\circ}\text{F} = \text{_____}^{\circ}\text{C}$
- | | |
|--------|---------|
| a) 40 | b) 4 |
| c) -40 | d) None |

ROUGH WORK