Diode

1.conductor

2.led

3.cathod anod

4.0.7

5,

What would be a typical magnitude for the reverse current in a general-purpose silicon diode? Few nanoamps

6 а

7 non linear

Диод

Transistor–transistor logic (TTL) is a class of digital circuits built from

(Баллов: 10/10)

JFET

Bipolar junction transistors (BJT)

Resistors

MOSFET

2

What are names of a bipolar transistor’s electrodes?

(Баллов: 10/10)

drain, source, gate

positive, negative, neutral

anode, cathode

base, collector, emitter

3

For the circuit below if Va=5V Vb=5V transistor T0 is\_\_\_\_, transistor T1 is\_\_\_\_\_, transistor T2 is\_\_\_\_.

(Баллов: 10/10)

ON, ON, ON

ON, ON, OFF

OFF, ON, OFF

OFF, ON, ON

4

Fill in the gaps in the text: to turn on an PNP transistor, a \_\_\_\_\_\_ voltage is applied to the \_\_\_\_\_\_. When transistor is turned on, its collector-to-emitter becomes a \_\_\_\_\_.

(Баллов: 10/10)

negative, base, short

positive, base, short

negative, emitter, open

positive, emitter, short

positive, emitter, open

5

What are typical silicon transistor’s parameters?

(Баллов: -/30)



6

What modes of a bipolar transistor’s operation do you know?

(Баллов: -/30)

