

Quiz Microprocessor

Total points **10/10** ?

Solve all Questions

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Class: TEC B DIV

✗ Name of Student *

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✗

Correct answer

Correct Answer

Roll No *

50

✓ 1. The _____ is a general-purpose programmable I/O device designed to transfer the data from I/O to interrupt I/O. 1/1

☐ A. 8285A

☐ B. 8241A

☒ C. 8255A

✓

☐ D. 8251A



✓ 2. How many ports 8255A have?

1/1

☐ A. 2

☒ B. 3



☐ C. 4

☐ D. 5

✓ 3. Which port can be split into two parts?

1/1

☐ A. PORT A

☐ B. PORT B

☒ C. PORT C



☐ D. PORT D

✓ 4. Which of the following are Features of 8255A? *

1/1

☐ A. It consists of 3 8-bit IO ports i.e. PA, PB, and PC.

☐ B. Address/data bus must be externally demux'd.

☐ C. It is TTL compatible.

☒ D. All of the above



✓ 5. Which of the following is responsible for controlling the internal/external transfer of data/control/status word?

1/1

- ☐ A. Data Bus Buffer
- ☒ B. Read/Write Control Logic
- ☐ C. CS
- ☐ D. WR



✓ 6. Which of the following uses N-MOS technology?

1/1

- ☒ A. 8253
- ☐ B. 8254
- ☐ C. 8255
- ☐ D. 8256



✓ 7. It is a tri-state, bi-directional, 8-bit buffer, which is used to interface the 8253/54 to the system data bus.

1/1

- ☐ A. Read/Write Logic
- ☒ B. Data Bus Buffer
- ☐ C. system data bus
- ☐ D. System Buffer



✓ 8. 8253/54 can be operated in _____ Modes?

1/1

☐ A. 3

☐ B. 4

☐ C. 5

☒ D. 6



✓ 9. Which mode can be used as a mono stable multi-vibrator?

1/1

☐ A. Mode 0

☒ B. Mode 1

☐ C. Mode 2

☐ D. Mode 3



✓ 10. Which mode generates a strobe in response to an externally generated signal?

1/1

☐ A. Mode 3

☐ B. Mode 4

☒ C. Mode 5

☐ D. Mode 6



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