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Duration	5 mins 28 secs
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Which register of the [parallel port](#) is primarily used for input operations?

- ☐ A. Data register (D7..D0)
- ☒ B. Status register (S7..S3) ✓
- ☐ C. Control register
- ☐ D. Buffer register

The correct answer is:

Status register (S7..S3)

Question 2

Correct

Mark 1.00 out of 1.00

How many bits can the data register of a [parallel port](#) transmit simultaneously?

- ☐ A. 4 bits
- ☒ B. 8 bits ✓
- ☐ C. 16 bits
- ☐ D. 32 bits

The correct answer is:

8 bits

Question 3

Correct

Mark 1.00 out of 1.00

What happens to data integrity if a [parallel port](#) cable exceeds the recommended length?

- ☐ A. Data transfer becomes faster
- ☐ B. The port automatically compensates
- ☐ C. Nothing changes
- ☒ D. Data integrity can be compromised ✓

The correct answer is:

Data integrity can be compromised

Question 4

Correct

Mark 1.00 out of 1.00

What does SPP stand for in [parallel port](#) terminology?

- ☐ A. Super [Parallel Port](#)
- ☒ B. Standard Printer Port ✓
- ☐ C. Serial Parallel Protocol
- ☐ D. Simple Port Programming

The correct answer is:

Standard Printer Port

Question 5

Correct

Mark 1.00 out of 1.00

Which register of the [parallel port](#) is primarily used for output operations?

- ☐ A. Status register (S7..S3)
- ☐ B. Control register
- ☒ C. Data register (D7..D0) ✓
- ☐ D. Address register

The correct answer is:

Data register (D7..D0)

Question 6

Correct

Mark 1.00 out of 1.00

Which function is used to write a byte to a [parallel port](#)?

- ☐ A. `write()`
- ☒ B. `outb()` ✓
- ☐ C. `printf()`
- ☐ D. `set_port()`

The correct answer is:

`outb()`

Question 7

Correct

Mark 1.00 out of 1.00

In a common cathode 7-segment display, which terminal is connected to ground?

- ☐ A. Individual segments
- ☒ B. Common terminal ✓
- ☐ C. Positive voltage pin
- ☐ D. None of them

The correct answer is:

Common terminal

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following can be interfaced as inputs to the parallel ports?

- ☐ A. LEDs
- ☒ B. switch ✓
- ☐ C. alphanumeric display
- ☐ D. seven segmented display

The correct answer is:

switch

Question 9

Correct

Mark 1.00 out of 1.00

What is the fundamental difference between parallel and serial data communication?

- ☐ A. Parallel sends one bit at a time, serial sends multiple bits
- ☒ B. Parallel sends multiple bits at once, serial sends one bit at a time ✓
- ☐ C. Parallel is faster but serial is more reliable
- ☐ D. There is no difference

The correct answer is:

Parallel sends multiple bits at once, serial sends one bit at a time

Question 10

Correct

Mark 1.00 out of 1.00

What does bidirectional communication mean in the context of parallel ports?

- ☒ A. Data can be both transmitted and received ✓
- ☐ B. Data can only be sent
- ☐ C. Data can only be received
- ☐ D. Data is sent in binary format

The correct answer is: **Data can be both transmitted and received**