

# Systems & Switches Questions

## Question 1

An advantage of a systems approach is:

- A. The project is cheaper
- B. There is less wiring involved
- C. Sub-systems can be designed independently
- D. There are less components needed

## Question 2

An example of an input sub-system is:

- A. Monostable
- B. Amplifier
- C. Bulb
- D. Switch

## Question 3

An example of a process sub-system is:

- A. Microphone
- B. AND gate
- C. MOSFET
- D. Light Dependent Resistor

## Question 4

An example of a transducer driver is:

- A. Bipolar transistor
- B. Logic gate
- C. Push button
- D. Loudspeaker

## Question 5

An example of an output subsystem is:

- A. Thermistor
- B. Heater
- C. Astable
- D. Flip-flop

## Question 6

The preferred switch for a mains operated device is:

- A. Single Pole Single Throw (SPST)
- B. Single Pole Double Throw (SPDT)
- C. Double Pole Single Throw (DPST)
- D. Double Pole Double Throw (DPDT)

## Question 7

The switch used for upstairs downstairs lights is:

- A. SPST
- B. SPDT
- C. DPST
- D. DPDT

## Question 8

The most basic on/off switch is:

- A. SPST
- B. SPDT
- C. DPST
- D. DPDT

## Question 9

A switch that can have four or more positions is:

- A. Micro switch
- B. Proximity switch
- C. Magnetic switch
- D. Rotary switch

## Question 10

A micro switch:

- A. Is very small
- B. Requires a very small force
- C. Is very light
- D. Has only one contact

# Answers

1. C
2. D
3. B
4. A
5. B
6. C
7. B
8. A
9. D
10. B

# Website

[http://www.pfnicholls.com/Electronics\\_Resources/QuestionIndex.html](http://www.pfnicholls.com/Electronics_Resources/QuestionIndex.html)

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