

Domestic Electricity Questions

Question 1

The UK mains voltage and frequency are:

- A. 230 volts and 30Hz
- B. 250 volts and 30Hz
- C. 230 volts and 50Hz
- D. 250 volts and 50Hz

Question 2

Which appliance is likely to have its own separate circuit rather than being part of a ring main?

- A. plug sockets
- B. lights
- C. doorbell
- D. electric shower

Question 3

Appliances such as kettles and toasters are protected by an Earth circuit. For the appliance to be protected there must be:

- A. just an Earth wire
- B. just a fuse
- C. an Earth wire AND a fuse
- D. an Earth wire OR a fuse

Question 4

In a domestic plug, the LIVE wire is:

- A. Brown
- B. Blue
- C. Green
- D. Red

Question 5

In a domestic plug, the EARTH wire is:

- A. Blue and Yellow
- B. Green and Yellow
- C. Green
- D. Black

Question 6

A Television takes a current of 4 amps. The most appropriate domestic fuse would be:

- A. 3A
- B. 5A
- C. 7A
- D. 13A

Question 7

The main function of a circuit breaker is to:

- A. allow the user to turn circuits on and off
- B. turn off the electricity supply if the user receives an electric shock
- C. turn off the electricity supply if too much current flows
- D. keep the lighting circuit and plug sockets separate

Question 8

The main function of a residual current device is to:

- A. allow the user to turn the electricity supply on and off
- B. turn off the electricity supply if the user receives an electric shock
- C. turn off the electricity supply if too much current flows
- D. work with the Earth circuit to protect appliances

Question 9

Which is NOT an advantage of using circuit breakers rather than fuses?

- A. circuit breakers can be easily reset
- B. circuit breakers are faster
- C. circuit breakers are more accurate
- D. circuit breakers are cheaper

Question 10

Which of the following is NOT correct for a double insulated appliance?

- A. there are two different layers of insulation
- B. the insulation is twice as thick
- C. the Earth wire is not required
- D. there are no exposed metal parts

Answers

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

Website

http://www.pfnicholls.com/Electronics_Resources/QuestionIndex.html

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