2365-203 Revision questions to be handed in for review 13/03/2017

Candidate\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. what is the function of the small 'copper strap' that links two pieces of metallic trunking together

A. to allow for expansion`

B. to help ensure a continuous earth

C. to strengthen the connection

D. to allow for the attachment of extra fittings

2. why should cut edges of cable tray be 'made good'

A. to minimise risk if damage to conductor insulation

B. it makes fitting the cable tray together easier

C. if makes to finished installation look better

D. it helps maintain tray strength

3. Which one of the following provides 'basic protection'?

A. earthing and bonding

B. fuses and circuit breakers

C. use of double-insulated CLASS I equipment

D. insulation on conductors

4. Which one of the following is an 'extraneous conductive part'?

A. metal grill on an electric heater

B. metallic pump housing

C. structural steelwork

D. metal-clad fuse board

5. What name is given to the earth conductor that connects the Main earthing Terminal (MET) of the installation to the Earthing facility from the Electricity Supply Company?

A. main equipotential bonding conductor

B. supplementary bonding conductor

C. c.p.c

D. main earthing conductor

6. What is the 'average' impedance of a 'TN-C-S' system?

A. 0.35 ohms

B. 0.8 ohms

C. 21 ohms

D. 10 ohms

7. Identify the name of the earthing conductor that connects service and structural extraneous conductive parts to the main earthing terminal (MET)?

A. main earth

B. circuit protective conductor

C. main equipotential bonding

D. supplementary bonding

8. identify the maximum disconnection time for a BSEN61009 RCD (non time-delayed) when tested at x5 its current rating

A. 300mS

B. 200mS

C. 40mS

D. 350mS

9. identify the operating principle for a RCD

A. current balance

B. thermal only

C. thermal/magnetic

D. magnetism only

10. a protective device has a 'fusing current' of 180A and a 'fusing factor' of 1.8

calculate the current 'rating' of the device

A. ? 100A

B. ? 200A

C. ? 125A

D. ? 80A

11. identify the protective device that offers good 'discrimination' when protecting circuits with very large inductive loads connected to it

A. ? type 'B' mcb

B. ? type 'E' mcb

C. ? type 'C' mcb

D. ? type 'D' mcb

12. What is the minimum percentage of space, allocated for 'cooling ' in this trunking ? x

A. ? 35%

B. ? 75%

C. ? 55%

D. ? 45%

13. Which one of the following devices is not designed to protect against overload currents?

A. ? Fuse

B. ? MCCB

C. ? RCD

D. ? Circuit Breaker

14. What type of protective device is designed to withstand high circuit current interruptions during high fault current flow?

A. ? BS88

B. ? BS1361

C. ? BS1362

D. ? BS3036

15. What colour is a 30A BS3036 fuse?

A. ? yellow

B. ? blue

C. ? green

D. ? red

16. What is the disconnection time for circuits/fixed equipment rated at over 32A, installed on a TN Supply system?

A. ? 5 seconds

B. ? 10 seconds

C. ? 0.4 seconds

D. ? 0.2 seconds