2365-203 Revision questions

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

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

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

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?

6. What is the 'maximum' impedance of a 'TN-C-S' system supplied from the DNO?

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

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

9. What mA RCD should be used for additional protection

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

calculate the current 'rating' of the device

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

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

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?

15. What colour is a 30A BS3036 fuse?

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

17. Calculate the r2 value for a 4mm copper cable at a distance of 37m at a temperature of 20⁰?