

Question 1

Correct

Mark 2.00 out of 2.00

Flag question

A wired Call (Nurse) system

Select one:

- a. has a "Cancel Button" connected in parallel with each "Call button"
- b. has at least one "lamp", which may be activated by each single patient
- c. has a "Cancel Button" located in the patient's room ✓
- d. has a "Cancel Button" located in the nurse room

Your answer is correct.

The correct answer is: has a "Cancel Button" located in the patient's room

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Fire Alarm system

Select one:

- a. has a "pressure mat" as one of its call points
- b. has an EOLR for each zone to provide a cable monitoring facility ✓
- c. has zones, where all call points are connected in series
- d. has the cable, connecting call points, as an ordinary twisted pair cable

Your answer is correct.

The correct answer is: has an EOLR for each zone to provide a cable monitoring facility

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Fire Alarm system has all its call points connected in series.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 4

Correct

Mark 1.00 out of 1.00

Flag question

ABC are Aerial Bundle Conductors used for overhead transmission lines

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 5

Correct

Mark: 1.00 out of 1.00

🚩 Flag question

Any interruption to the "Tamper loop" will cause activation to the Fire Alarm system.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 6

Correct

Mark: 1.00 out of 1.00

🚩 Flag question

The visible light wavelength is between Infrared and ultraviolet.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 7

Correct

Mark 2.00 out of 2.00

Flag question

A gas filled Incandescent lamp

Select one:

- a. has, in general, a long life expectancy, compared to other Fluorescent lamps
- b. has less than one third of its consumed power converted to heat, rather than being converted to visible light
- c. has an efficacy ranging from 50 to 70Lm/W
- d. has a Color Rendering Index (CRI) of 100, which is great ✓

Your answer is correct.

The correct answer is: has a Color Rendering Index (CRI) of 100, which is great

Question 8

Correct

Mark 1.00 out of 1.00

Flag question

Standard Incandescent lamps have their Filament made from Tungsten.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 9

Correct

Mark 1.00 out of 1.00

Flag question

In a Wireless Call system, the coverage range may be up to 3000 m.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question 10

Correct

Mark 2.00 out of 2.00

Flag question

Illuminance or Illumination (E) is defined as

Select one:

- a. the ratio of Luminous flux to electrical input power; it could be thought of as "efficiency" of a light source. It is measured in Lumen/Watt (Lm/W).
- b. a measure of the flow or amount of light emitted from a source. It is measured in Lumen (Lm).
- c. the loss of light due to collection of dirt and ageing, it should not fall below 0.8. It has no units!
- d. a measure of the amount of light falling on a surface, it is measured in Lux or Lumen/(m-square). ✓

Your answer is correct.

The correct answer is: a measure of the amount of light falling on a surface, it is measured in Lux or Lumen/(m-square).

Question 11

Incorrect

Mark 0.00 out of 1.00

Flag question

According to IEC, the voltage at the receiving end should be limited between $220 + 10\%$ and $220 - 10\%V$.

Select one:

- True
- False ✘

The correct answer is 'True'.

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

All telephone sockets are connected in parallel.

Select one:

- True ✔
- False

The correct answer is 'True'.

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

A magnetic ballast is quieter than an electronic ballast.

Select one:

- True
- False ✔

The correct answer is 'False'.

Question 14

Incorrect

Mark 0.00 out of 1.00

Flag question

A ballast is responsible to produce the necessary voltage to start ionizing the gas.

Select one:

- True
- False ✘

The correct answer is 'True'.

Question 15

Incorrect

Mark 0.00 out of 2.00

Flag question

A luminary

Select one:

- a. has its control circuit conductors of 2.5 mm-square each
- b. is protected by an MCB of 16A
- c. has its switch generally installed, for a living room, at a location of 120-140 cm
- d. has its circuit conductors of 1 mm-square each ✘

Your answer is incorrect.

The correct answer is: has its switch generally installed, for a living room, at a location of 120-140 cm

Question 16

Correct

Mark 2.00 out of 2.00

🚩 Flag question

A Fire Alarm system

Select one:

- a. has zones, where all call points are connected in series
- b. has the cable, connecting call points, as an ordinary twisted pair cable
- c. has a "Heat Detector" as one of its call points ✓
- d. has a "Personal Attack button" as one of its call points

Your answer is correct.

The correct answer is: has a "Heat Detector" as one of its call points

Question 17

Correct

Mark 1.00 out of 1.00

🚩 Flag question

1.5mm-square copper conductors must be protective by a 16A MCB.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 18

Correct

Mark 2.00 out of 2.00

Flag question

A traveller conductor is

Select one:

- a. a black- or blue-color conductor
- b. a brown with orange or black stripes, or any other color not used for the phase or earth or neutral, conductor ✓
- c. a brown- or red-color conductor
- d. a green with yellow stripes conductor

Your answer is correct.

The correct answer is: a brown with orange or black stripes, or any other color not used for the phase or earth or neutral, conductor

Question 19

Correct

Mark 1.00 out of 1.00

Flag question

Not every extra low voltage socket needs a power socket next to it.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 20

Correct

Mark 2.00 out of 2.00

Flag question

The lamp which must be installed within +/-20 position

Select one:

- a. is the Incandescent lamp
- b. is the LED lamp
- c. is the low pressure Sodium lamp ✓
- d. is the low pressure Mercury lamp

Your answer is correct.

The correct answer is: is the low pressure Sodium lamp

Question 21

Correct

Mark 2.00 out of 2.00

Flag question

If the luminous intensity of a lamp is 1500Candela, then the illumination on a surface 8m directly underneath the lamp is -----Lux.

Answer: ✓

The correct answer is: 23.4375

Question 22

Correct

Mark 2.00 out of 2.00

Flag question

If the efficacy of a 12W PL lamp is 80Lm/W, then the flux of the lamp is ----- Lumen.

Answer: ✓

The correct answer is: 960

Question 23

Correct

Mark 1.00 out of 1.00

Flag question

A Dimmer switch is appropriate to control Fluorescent luminaries.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question 24

Incorrect

Mark 0.00 out of 2.00

Flag question

A double-pole single-throw switch with indicator lamp

Select one:

- a. is a switch used to control the indicator lamp
- b. has the indicator lamp connected between the phase and neutral conductors at its input ✗
- c. is connected in series with the phase conductor only
- d. is used to control a boiler or a bathroom power socket

Your answer is incorrect.

The correct answer is: is used to control a boiler or a bathroom power socket