

1. Building management is primarily focused on:

- ☐ ensuring the safety of people and property
- ☐ increasing environmental responsibility of employees
- ☐ internal transport of passengers and goods
- ☐ optimizing the number of people in buildings
- ☐ reducing energy costs
- ☐ optimization of working conditions

2. Assign the terms from the left column to the corresponding statement on the right!

Fire Protection Systems

1. Card or chip readers are placed on each side of the door
2. Electric lock
3. Door contact
4. Emergency escape buttons are located on each side of the door

Transport Systems

Exterior building lighting, Lighting for common areas of the building, Room lighting

Access system contains

Fire Alarm System (FAS) also called Automatic Fire Detection System, Fire Suppression System (FSS), Smoke Exhaust Ductwork (SED)

Lighting systems can be divided as follows:

- escalators
- travelators
- elevators

3. Complete the sentence!

$\left(\begin{array}{c} \text{Regulation} \\ \text{SCADA} \\ \text{Fuzzy control} \\ \text{Logical control} \end{array} \right)$ is described in the theory of automation by functions of Boolean algebra and theory of state machines.



4. Choose the correct option: *Building safety technology includes*

- ☐ transport systems
- ☐ access to the building (persons and vehicles)
- ☐ lighting systems
- ☐ closed circuit television
- ☐ fire protection systems

5. Fill the correct elements in the corresponding blocks!**Resistance thermometer****Thermocouple**

Ni or Pt Cu iron (Fe) - constantan He

6. Complete the sentences!

Thermoelectric effect relies on _____
_____.

The resistance thermometer is based on the fact that _____
_____.

7. Explain the parts of SCADA systems

SCADA means: _____
_____.

HMI means: _____
_____.

**Erasmus+**

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8. Choose the correct option!

_____ – Thermal output control can be realized through

- a) Control of the heat source
- b) Controlling the access to a building
- c) Lights regulation

_____ – Which factor influences the heat control?

- a) Distance between the control system and heat source
- b) Type of heat transfer medium
- c) Control buses used in the building

9. Complete the sentence!

KNX bus - it is a successor of $\begin{pmatrix} \text{Modbus} \\ \text{EIB} \\ \text{RS-485} \\ \text{RS-232C} \end{pmatrix}$ with more features.

