

1. Which of the following statements regarding Smart home system are valid:

- can be created from scratch at home
- are available as a bundled smart home kit
- have lot of open source software implementation
- can be completely purchased

2. Which technologies belong to IoT technologies for home automation?

- LoRaWan
- DLMS
- SigFox
- PLC

3. Select smart TV technologies below the table and assign them to corresponding types of services/interfaces in the table!

Live broadcasting	Wireless interfaces	Cable (LAN) network	Input video	Data	CI/CI+ module

Ethernet DVB-C Firewire Bluetooth DVB-T Smart card Wimax
HDMI GPS DVB-S Wi-Fi LTE USB S-video

4. Add words below to correct places in the sentence!

TV sets that are DLNA (Digital Living Network Alliance) _____ are able to play _____ from other DLNA _____ (PCs, tablets, _____, media servers, etc.).

devices smartphones certified multimedia content



Erasmus+

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5. Fill in the sentence!

Smart appliances are appliances which are equipped by _____ and which can be remotely controlled.

6. Assign the terms from the left column (sensors) to the corresponding ones on the right (measured parameter)!

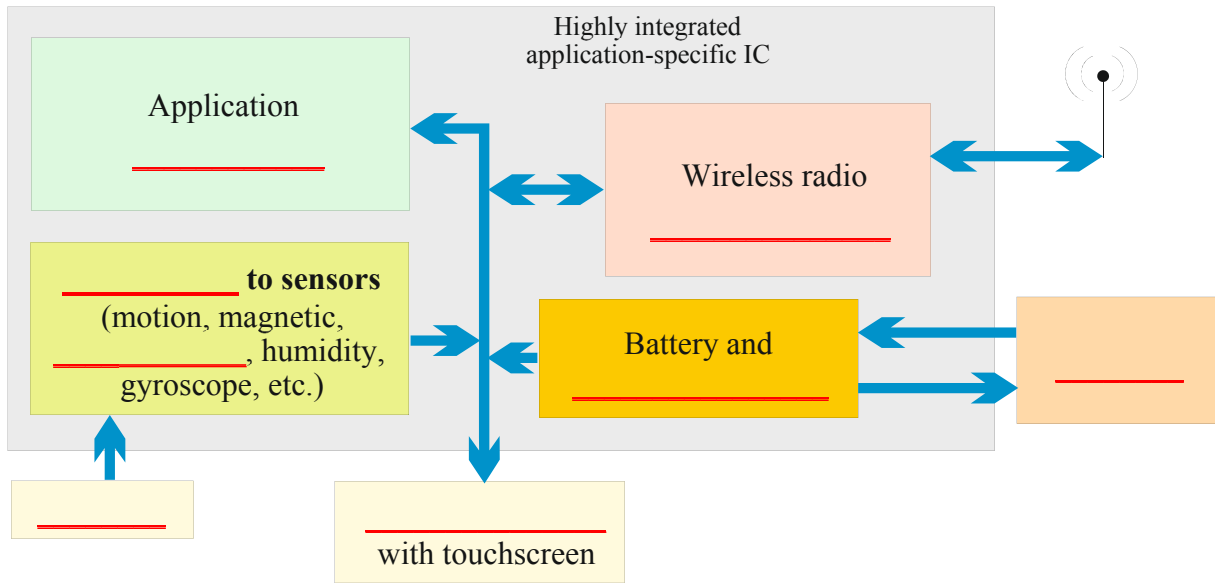
Accelerometer
Gyroscope
Magnetometer
Barometer
Distance sensor
Light sensor
Touch screen
GPS
Front and rear camera
Microphone

Picture
Object distance from a smartphone
Finger touch
Position on Earth
Sound
Light conditions
Atmospheric pressure
Orientation and angular velocity
Magnetic field
Acceleration

7. What are the important features of Intelligent transport systems?

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____
- g) _____

8. Add words below to the smart watches diagram at correct gaps (red lines)!



Battery power management Sensors processor transmitter/receiver
Display subsystem Interfaces temperature

9. What are the essential areas for Smart city solutions?

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

10. Add words below to correct places in the sentence!

_____ informs the frequency of data acquisition. _____ describes the different types of data that may be handled. _____ represents the amount of data.

Variety Velocity Volume