

## Introduction to Internet of Things

### Assignment 3

1. The number of channels incorporated in physical layer of the HART standard are:
  - a. 10
  - b. 15**
  - c. 20
  - d. 64
2. Channel hopping is performed at which HART layer?
  - a. Physical
  - b. Data link**
  - c. Network
  - d. Application
3. Class-1 Bluetooth devices have a range of:
  - a. 1m
  - b. 10m
  - c. 100m**
  - d. 1000m
4. The paging operation of a Bluetooth device is used for:
  - a. Forming a connection between two Bluetooth devices.**
  - b. Trying to discover other devices near it.
  - c. Entering a low-power sleep mode.
  - d. All of these
5. The encoding scheme used in Z wave is;
  - a. Bipolar NRZ
  - b. Polar RZ
  - c. Manchester**
  - d. Polar NRZ
6. This process of bypassing radio dead-spots in Z wave is done using a message called
  - a. Healing**
  - b. Beacon
  - c. Probe
  - d. None of these
7. WASN stands for:
  - a. Wireless and Sensor networks
  - b. Wired and Sensor networks
  - c. Wireless Ad-hoc Sensor Networks**
  - d. None of these

8. SOS in sensor web stands for
- a. Sensor of a System
  - b. System of Sensors
  - c. **Sensor Observation Service**
  - d. None of these
9. Social sensing in WSNs suffer from:
- a. Inability to distinguish rare events from regular events
  - b. Ineffective wakeup and sensing under rare event monitoring scenario
  - c. **Both**
  - d. None of these
10. WBAN stands for:
- a. Wireless Buffer Area Networks
  - b. **Wireless Body Area Networks**
  - c. Wired Body Area Networks
  - d. Wired Buffer Area Networks