< DE/EJ/ET/EN/EX/EQ/IE/IS/IC>:<22636>:< Emerging Trends in Electronics>:<Smart World>: <UO5d:Explain concept of M2M network with diagram and state the function of sensors.>

<Assessments>: <Formative>

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| Set 1: Question No 1 | Set 1: Question No 2 | Set 1: Question No 3 |
| M2M communication is a communication between | Function of device domain in M2M network is\_\_\_\_\_\_\_\_\_\_\_\_. | In a --------------- networks, all nodes communicate with each other using some intermediate gateways. |
| Recall/ Remembering | Understanding | Application |
| 1. Machine to Machine | 1. Processing of sensor data | 1. Client- server |
| 1. Motor to Machine | 1. Analysis of sensor data | 1. Cooperative |
| 1. Machine to Motor | 1. Collection and transmission of sensor data | 1. point to point network |
| 1. Motor to Motor | 1. Interpretation of sensor data | 1. Fully distributed |
| Ans: a) | Ans: c) | Ans: b) |

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| Set 2: Question No 1 | Set 2: Question No 2 | Set 2: Question No 3 |
| Wireless range for indoor applications using ZigBee protocol is------- | Identify the motion sensor: - | Name IR-based sensor to detect the presence of nearby objects without any physical CONTACT |
| Recall/ Remembering | Understanding | Application |
| 1. Up to 10 meters | 1. Gyroscope | 1. Motion sensor |
| 1. Up to 70 meters | 1. Microphone | 1. Light Sensor |
| 1. Upto 10 Kilo meters | 1. Camera | 1. Audio Sensor |
| 1. Upto 500 meters | 1. LED. | 1. Proximity Sensor |
| Ans: b) | Ans: a) | Ans: d) |