< DE/EJ/ET/EN/EX/EQ/IE/IS/IC>:< 22636> : < Emerging Trends in Electronics> : <Smart World>: < UO5a.2:Describe the basic component of smart home system with block diagram.> <Assessments>: <Formative>

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| Set 1: Question No 1 | Set 1: Question No 2 | Set 1: Question No 3 |
| \_\_\_\_\_\_\_\_\_\_\_\_are main component of home appliances control system. | Video monitoring system for home consists of \_\_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_\_\_\_ . | The use of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ can assured that family will be safe from unforeseen dangers. |
| Recall/ Remembering | Understanding | Application |
| 1. Amplifier, equaliser, oscillator. | 1. camera , displays | 1. Smart door |
| 1. modulator, mixer, local oscilator | 1. generator, motor | 1. Smart meter |
| 1. voltage amplifier, filter, power amplifier | 1. heater, compressor | 1. Smart dustbin |
| 1. Sensors, processors, relay | 1. oscillator, mixer | 1. Smart TV |
| Ans: <d> | Ans: <a> | Ans: <a> |

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| Set 2: Question No 1 | Set 2: Question No 2 | Set 2: Question No 3 |
| Home appliances in smart home can be controlled remotely over long distance is possible due to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | "Hey Google, turn on all lights.". This voice command is for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ used in smart home. | Identify the one that is not provided in smart home. |
| Recall/ Remembering | Understanding | Application |
| 1. amplifiers | 1. Amazon Alexa | 1. Comfort, security and convenience. |
| 1. web-based application | 1. Google Home | 1. Remote automation. |
| 1. repeater | 1. Apple's Home Kit, | 1. Improving traffic flow on road |
| 1. splitter | 1. Amazon Prime | 1. Save time and effort. |
| Ans: <b> | Ans: <b> | Ans: <c> |