< DE/EJ/ET/EN/EX/EQ/IE/IS/IC>:< 22636> : < Emerging Trends in Electronics> : <CO5> <Smart World>: <UO5a.1: State the need/requirement of smart home>

<Assessments>: <Formative>

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| Set 1: Question No 1 | Set 1: Question No 2 | Set 1: Question No 3 |
| A smart home incorporates all the advanced\_\_\_\_\_\_\_\_\_\_\_. | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ provides ability to monitor and control various home devices through wireless connection. | Lights can be turn ON when aphoto-electric sensor detects that it’s dark. It is possible in one of the following system. |
| Recall/ Remembering | Understanding | Application |
| 1. Automation Systems | 1. Optical Fibre | 1. Security System |
| 1. Ignition Systems | b) Motor. | b) Home Automation System |
| 1. Backup Systems | c) Smart Home | c) Safety System. |
| 1. Traffic Control Systems. | d) Generator | d) Networking system. |
| 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 |
| The oldest and best-known smart home automation system is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | X-10 home automation system uses\_\_\_\_\_\_\_\_\_\_\_ to send regular switching signal. | Name the device that constantly crawls around floors sweeping the dust. |
| Recall/ Remembering | Understanding | Application |
| a) A-10 | a)Household electricity wiring | a)Hair dryer |
| b) B-10 | b)RF cable | 1. Robotic vacuum cleaner |
| c) C-10 | c)Telephone Cable | 1. Electric oven |
| d) X-10 | d)Optic fibre | 1. Refrigerator |
| Ans: <d> | Ans: <a> | Ans: <b> |