**< DE/EJ/ET/EN/EX/EQ/IE/IS/IC >: < 22636> : < Emerging Trends in Electronics >:**

**< Recent Electronic Components >: <UO2a.3: Describe the working principle, features and applications of memristor>**

**<Assessments>: <Formative>**

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| **Set 1: Question No. 1** | **Set 1: Question No. 2** | **Set 1: Question No. 3** |
| Identify the symbol of component used for emerging application. | Memristor give\_\_\_\_\_\_\_\_ relationship between voltage and current which is exhibited by a hysteretic loop | Memristor is proposed to develop real-time data analysis in \_\_\_\_\_\_\_network and\_\_\_\_\_\_ applications. |
| **Recall/ Remembering** | **Understanding** | **Application** |
| a) Resistor | a) linear | a) neural, neuromorphic |
| b) compact disc | b) non linear | b) computer, numeric |
| c) Memristor | c) inversely proportional | c) telecommunication, mobile |
| d) OLED | d) directly proportional | d) data, internet |
| **Ans: (c)** | **Ans: (b)** | **Ans: (a)** |