SECTION A

**Expected EOC 2**

**1.chemicals for consumers;**

* Detergents
* Medicine
* Food additives

**2. Nuclear reactions;**

* Nuclear fission
* Nuclear fussion

**Expected EOC3**

* Using materials
* Periodic table
* Trends in the periodic table
* Formulae,stoichiometry and mole concept
* Air;rusting and combustion
* Reactivity series ie alloys
* Carbon in life;biogas,polymers and plastics
* Elements,mixtures and compounds

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| **Item 1 approach;**  **The scoring acronym is ; TDE**  Where;  **T** consists of the category/type of the prouct or process and function  **D** consists of any identified danger,explanation of the danger and mitigation  **E** consists of similarities and differences | **Basis of assessment** | **Item 2 appraoch;**  **The scoring acronym is ; CXI**  Where;  **C** consists of category identified ,reason and example  **X** consists of property and use  **I** consists of any identified danger and mitigation |
| Identify the;  Category  example✓  function✓  **sub codes;**  **C for category/types of the product/process**  **F for function**  **2scores** | **T C**  **category** | Identify the;  Category✓  Example✓  **Sub codes;**  **Ci for category identified**  **R for reason**  **E for example**  2scores |
| Danger✓ identified  Explanation ✓of the danger  Mitigation✓  **Sub codes ;**  **Di for any danger identified**  **E for explanation**  **M for mitigation** | **D X**  **Suitability**  **DiEM** | Property ✓and use✓  **Sub code;**  **P for property**  **U for use** |
| Similarities✓ and differences✓ | **E I**  **Advise**  **Evaluation** | Identify the any danger✓  Mitigation✓  **Sub codes;**  **Di for any danger identified**  **M for mitigation** |
| **7scores** | **Total scores** | **8scores** |

**EOC 1**

**For items 3 and 4**

**The scoring acronym is ; PSB**

Where;

**P** consists of the raw materials( all the raw materials) and process of production ; 3scores

**S** consists of the dangers identified ,explanation of the danger and mitigation of the danger; 3scores

**B** consists of the social benefits,effect and impact ;3scores

**Total scores ;9scores**

**EOC4**

**For items 5 and 6**

**The scoring acronym is; NMBe**

**NMBe**

Where;

**N** consists of category,reason,examples as well as components; 3scores

**Nb**;without composition ,the over all score for N is 0 and its only the chemical composition needed

**M** consists of human activity,impact and mitigation; 3scores

**Be** consists of the benefit and explanation ; 2scores

**Total scores;8scores**