

Assignment-3, Total Marks = 10

B.Sc 2<sup>nd</sup> Sem (GE)

(Submit by 15<sup>th</sup> May, 2022)

Q.1) What are exothermic and endothermic reactions? 2

Q.2) Define and differentiate. 2+2

(i) Heat of formation and std. heat of formation.

(ii) Heat of reaction and std. heat of reaction.

Q.3) Derive the relation bet<sup>n</sup>  $\Delta H$  and  $\Delta U$ . 3

Q.4) Describe std. state of elements with example. 1