

Assignment –1

1. Please read the attached scientific paper and write a 3 page summary of your understanding from it. While writing it is expected that you will not only bring out qualitative features of structural materials used in aerospace applications but also certain key quantitative facts. The summary should be typed in a standard A4 page with a font size of 11 using a standard font style like Times New Roman.

2. What do you understand by the terms listed below as applicable to materials? Give description and where possible explain using a nice schematic. The terms are: (a) material strength; (b) material stiffness; (c) toughness; (d) Bauschinger effect; and (e) creep.