

**Riviera International Academy**

**Assignment-2077**

**(Jestha 15, 2077, Thursday)**

**Class: Eight**

**Subject- HPE**

1. Write any four differences between communicable and non-communicable diseases.
2. What are the leading causes of non-communicable diseases in Nepal?

**Subject- Computer**

**Answer the following questions:**

- a) What is digital computer?
- b) What is analog computer? Give its examples.
- c) What is hybrid computer? Give its examples.
- d) Write the features of fourth generation of computer.
- e) What is super computer? List the applications (uses) of super computer.

**Subject- Opt. Mathematics**

- i)  $\tan^2 A + \tan^2 B + \tan^2 C + \tan^2 D = \frac{13}{3}$
- ii)  $\sin^2 A + \sin^2 B + \sin^2 C + \sin^2 D = \frac{3}{2} \sin^2 E$
- iii)  $\sin B \cdot \cos D + \cos B \cdot \sin D - \sin E \cdot \cos A - \tan A = 0$
- iv)  $\cos 3B = 4 \cos^3 B - 3 \cos B$
- v)  $\tan^2 C - \sin^2 B = \sin B \cdot \sin C \cdot \cos C \cdot \cot^2 B$

**The End.**