**Riviera International Academy**

**Assignment-2077**

**(Jestha 01, 2077, Thursday)**

**Class: Eight**

**Subject: Mathematics**

- Again read and write table from 10 to 12 (3 times).
- Read and write all formulae of area, perimeter & volume.
- Do yesterday's homework again.

**Subject – Opt. Mathematics**

ix) $\tan\frac{\pi}{3}\cdot\sin\frac{\pi}{6}+\cos\frac{\pi}{4}\cdot\cos\frac{\pi}{2}+\cos\frac{\pi}{2}\cdot\sin\frac{\pi}{3}$

x) $\tan^2\frac{\pi}{4}+\sin^2\frac{\pi}{3}-\cos^2\frac{\pi}{6}+\operatorname{cosec}^2\frac{\pi}{6}$

xi) $3\tan^2\frac{\pi}{6}+\frac{4}{3}\cos^2\frac{\pi}{6}-\frac{1}{2}\sec^2\frac{\pi}{4}-\frac{1}{3}\sin^2\frac{\pi}{3}$

xii) $6\tan^2\frac{\pi}{6}+\frac{1}{3}\sin^2\frac{\pi}{3}-\frac{1}{4}\operatorname{cosec}^2\frac{\pi}{2}$

xiii) $\sec^2\frac{\pi}{4}\cdot\sec^2\frac{\pi}{3}\left(\operatorname{cosec}\frac{\pi}{6}-\operatorname{cosec}\frac{\pi}{2}\right)$

xiv) $\left(\sin\frac{\pi}{6}+\cos\frac{\pi}{6}\right)\left(\sin\frac{\pi}{6}-\cos\frac{\pi}{6}\right)$

xv) $\left(\sin\frac{\pi}{6}+\cos\frac{\pi}{6}\right)\left(\sin\frac{\pi}{6}-\cos\frac{\pi}{3}\right)$

**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.

**The End.**