**Unit 9 Computational Thinking and Algorithm Design**

**Week 14 - : Weekly Test - 17 Oct to 23 Oct 2022.**

1) Describe, using an example, the process of stepwise refinement. [2 Marks]

2) Computer programs have to evaluate expressions.

– Study the sequence of pseudocode statements.

– Write down the value assigned to each variable.

DECLARE h, w, r, Perimeter, Area : REAL

DECLARE A, B, C, D, E : BOOLEAN

h ← 13.6 w ← 6.4

Perimeter ← (h + w) \* 2

r ← 10

Area 3.142 \* r^2

Z ← 11 + r / 5 + 3

A ← NOT(r > 10)

a) Perimeter [2 Marks]

b) Area [2 Marks]

c) Z [2 Marks]

d) A [2 Marks]