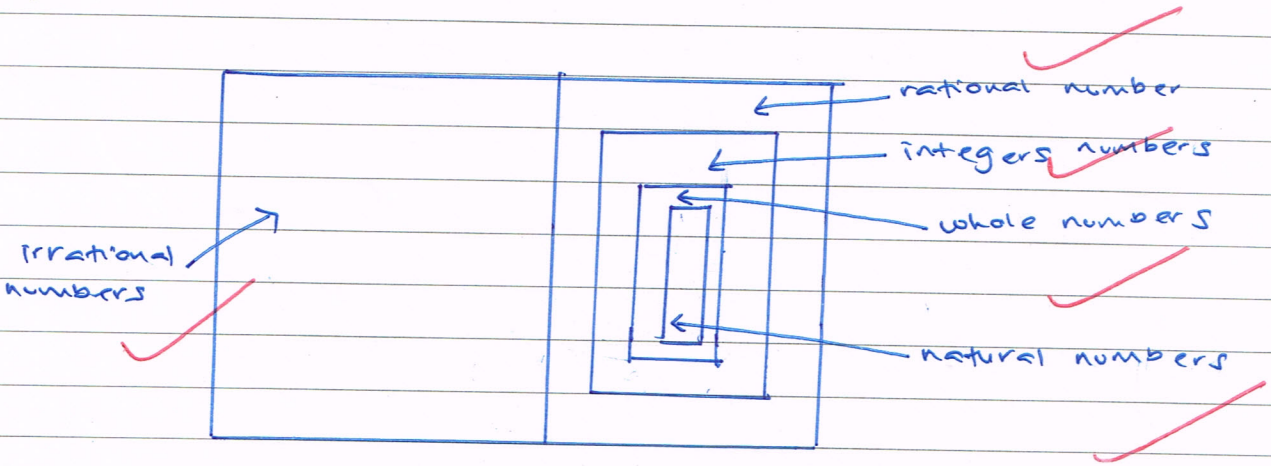
Subject: - Sugiran - No: Date:

Check Point 1

1. Complete the following diagram to illustrate how the natural numbers, whole numbers, integers, rational number and irrational numbers form the set of real numbers.



2. Given a set of numbers $\{-10.2, -8, 0, \frac{7}{8}, \sqrt{17}, 23, 25\frac{1}{8}, 1.2323\}$. List down the number (s) to the category of

a. Natural numbers $\{23\}$
b. whole numbers $\{0, 23\}$
c. Integers $\{-8\}$
d. rational numbers $\{\frac{7}{8}, 25\frac{1}{8}, 1.2323, -10.2 = -10\frac{2}{10}\}$
e. Irrational numbers $\{\sqrt{17}\}$

3. Given the set of numbers $\{0, 2, -4, -0.5, \pi, -01.666\}$. List down

a. Natural number $\{2\}$
b. Integer number $\{-4, 0, 2\}$
c. Irrational number $\{\pi\}$

4. State whether the following statements are true (T) or false (F).

A. All real numbers are rational. F
B. All rational numbers are integers. F
C. All natural numbers are rational. T
D. All irrational number are rational. F
e. $\frac{22}{7}$ is a rational number T
f. 1.212121... is irrational. F.

repeating.

Checked.

Irrational.