**Set A**

3.

Ans: r1 = 18

r2 = 1

child is terminating

r1 = 2

r2 = 42

parent is terminating

5. i. Access I/O device - kernel

ii. Set value of timer - kernel

iii. Read the date in the calendar - do not need kernel

iv. Clear memory - kernel

v. Switch from user to kernel mode - kernel

vi. Turn off interrupts - kernel

**Set B**

3.

Ans: Parent process started

Hello, from the Addition: 166 + 10 = 166

Hello, from the Subtraction: 10 - 166 = 10

Multiplication: 68 \* 380 = 68

Division: 380 / 68 = 380