**Sub. Code: CAMT 104**

**VASS**

**Bachelor in Computer Applications**

**Mathematics (1st sem.) 2078**

*Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.*

Stream: ***Humanities & Social Science*** Full Marks: 20

Time: 1:00 hours Pass Marks: 8

**Group –B [1x5=5]**

1. In a group of students, 24 study Maths, 30 study Bio, 22 study Physics, 8 study Maths only, 14 study Bio only, 6 study Bio and Physics only and 2 study Maths and Bio only. Find;
2. How many study all three subjects?
3. How many students were in the group?

**OR**

If then show that

**Group –B [1x10=10]**

1. Define a function. Let a function be defined by with and , find the range of f. Is the function f one to one and onto both? If not, how can you make i.e. one to one and onto both?