7. Given M = {M, U, L, T, I, P, L, Y} and

D = {D, I, V, I, D, E,}.

(a) Write down M ∩ D.

Ans. _____ [1]

(b) T = {2, 4, 5}.
     Write down n(T).

Ans. _____ [1]

$\mathscr{E} = \{ a, b, c, d, e, f \}$

$V = \{ a, e \}$

(a)   Write in set notation V is a subset of $\mathscr{E}$

Answer _____ [1]

(b)   List V^1

Answer _____ [2]

15. Rewrite the following sentences, using set notation.

(a) 12 is a member of the set G.

Answer _____ [1]

(b) D is an empty set.

Answer _____ [1]

(c) The number of elements in set B is 10.

Answer _____ [1]

(b) ξ = {whole numbers from 1 – 9}

T = {multiples of 3}

F = {factors of 4}

List the members of the following sets:

(i)   T,

Answer _____ [1]

(ii)   F,

Answer _____ [1]

(iii) $T \cap F$

Answer _____ [1]

(c)   Write down

$n(T \cup F)'$

Answer _____ [1]