

Section 2 :

Question-2:

This procedure takes 2 integers ,a and b respectively as arguments.

```
procedure f( var a : integer; var b : integer );
```

1. $a \text{ xor } b$ stored in variable a.

AS:

Let $a=2$, $b=15$

$a := 2 \text{ xor } 15 = 2 \wedge 15 = 13$ (bit wise XOR operation);

2 = 0010

15= 1111

1011 = 13

2. $a \text{ xor } b$ stored in variable b.

3. $a \text{ xor } b$ stored in variable a.

4. End.