

## GATE CSIT 2005 :

An organization has a class B network and wishes to form subnets for 64 departments. The subnet mask would be:

- A) 255.255.0.0
- B) 255.255.64.0
- C) 255.255.128.0
- D) 255.255.252.0

**Solution:**

Class	Address Range	Subnet mas	Example	Leading bits	Max number of networks
A	1 to 126	255.0.0.0	1.1.1.1	8	128
B	128 to 191	255.255.0.0	128.1.1.1	16	16384
C	192 to 223	255.255.255.0	192.1.11.	24	2097157
D	224 to 239	-	-	-	-
E	240 to 254	-	-	-	-