- 8.1 Disc fragmentation is an example of >
- 8.2 Disc Cleanor, firewall -> example of Utility Software.
 - Q. 3. Assembler, Compiler, Interpreter -> Examples of Language Processer
 - B.4. Cache Memory can be categorised into
 - 1) L1 Cache/Primary Cache
 11) L2 Cache/Secondary Cache
 - 1) LI Cache is fort, expensive but small in site. LI Cache is placed/embeded in processor chip as CPU cache
 - 2) L2 Cache- relatively slow, lan expensive and size is more than LI cache.
 - & L2 Cache is placed/embeded/ febricated on Nother board
 - 8.5. Blos Basic Input Output System
 Bios is a program that helps to
 to Boot up Operating System-into
 computer

8.6. De-Horganis Law->

- 1 A+0 = A. B
- (1) A.B = A+B

0.7. Distributive Law >

- () A. (B+c) = A.B + A.C
- (i) A+ (B·c) = (A+B) . (A+C)

g. 8. Associative Law ->

- (1) A+ (B+c) = (A+B)+c = A+B+c
- (A. (B.C) = (A.B)-C = A.B.C

8.9. xor Gate:

· XOR Gate is an Exclusive OR Grate which taken two or more inputs and provides one output

xok Grate provides output 1 if there are odd no. of 14 if output i input is hi

xor Grate provides output-1, if there are odd no. of 15 in input

. Boolean Fan-

XOK Grate uses 1 symbol.

· Troth Table -

[A]	B	ADB
0	01	0
1	0	1

F=ABB

8.10. (A907c)16=(?)8 9 2 1 0 1 0-A-10 $= (A 9 D 7 C)_{16}$ 001-9 0 1 1-0-13 = 1010 1001 1011 0111 1100 \mathcal{D} 1 1 00-0-12 $= (A 9 0 7 c)_{16}$ $= (1010 1001 1011 0111 1100)_{2}$ 121 $=(0.10, 101, 001, 101, 101, 100)^{5}$ = (2 5 1 5 5 7 4) $= (2515574)_{0}$ 8.11. Flash Memory: A flosh drive is a small, ultra-portable storage device with a 'solid state' memory. Flash Memory can be electrically exased and reprogrammed. Flash memory is used in Pen-Drive, Types of flash Hemory -> NOR flash NAND flosh 0.12. 1. Windows O.S Linux O.S (i) Windows is not open source (DLIDUX is Open Source and and is not free to use is free to use (ii) It is case-insensitive (ii) It is cone-sensitive - Linux ors is more efficient (ii) w

Windows O.S

Linux O.S

Linex wes mono lithic



- Windows Uses
- (ii) Linux uses monolithic Kernel
- 0.13. Ascii Code 1scii Code
 - 1) It is not Ascul 7-bit encoding system
- 1) Iscal is 8-bit encoding system
- Total form
 American Standard

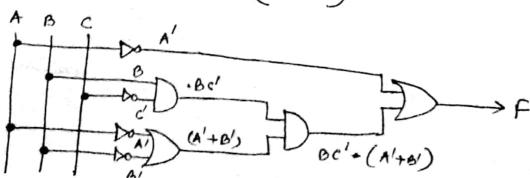
 Code for Information

 Interchange
- (i) full form-Indian Script Code for Information Interchange

It i

ş s ug

- (128 characters
- (ii) Iscu represents 256 characters
- 0.14. F (A,B,C) = A'+BC' (A'+B')



0.15 Society, Law and Ethics -> 1 3 types of Ethical Issues -P- 545 1 Intellectual Property Right-P-546 3 Violation of IPR (Intellectual Property Rights) P-546 P-597 1 Plagiarism - P-547 3 Copyright Infringement - P-548 1 Trademark Infringement - 1-548 7 Digital Property, Digital Property Right-1-548 3 FULL HARK- FOSS, FSF, OSI - P-551 9 free Software - P-549 10 Open Source Software - P-550 1 FOSS - P-551 (2) freeware - P-551 (3) Shareware - P-552 (A) Benifits of a Waste Recycling P-

(19) Public Domain Software, Proportetary

saftware - P-554