No. of Printed Pages: 4

BIEE-032

DIPLOMA IN ELECTRICAL ENGINEERING (DELVI)/ADVANCED LEVEL CERTIFICATE COURSE IN ELECTRICAL ENGINEERING (ACELVI)

00966

Term-End Examination June, 2015

BIEE-032 : PRINCIPLES OF COMPUTER ARCHITECTURE

Time: 2 hours

Maximum Marks: 70

Note: Attempt five questions in all. All questions carry equal marks. Question no. 1 is compulsory.

- 1. Choose the correct answer for the following: $7\times2=14$
 - (a) 8 bits is equal to
 - (i) 1 byte
 - (ii) 2 bytes
 - (iii) 4 bytes
 - (iv) None of the above
 - (b) What is the full form of LCD?
 - (i) Light Crystal Display
 - (ii) Liquid Crystal Display
 - (iii) (i) and (ii) both
 - (iv) None of the above

- (c) ROM is a
 - (i) Read only memory
 - (ii) Read-write memory
 - (iii) (i) and (ii) both
 - (iv) None of the above
- (d) What is the full form of PATA?
 - (i) Parallel AT attachment
 - (ii) Principal AT attachment
 - (iii) Power AT attachment
 - (iv) None of the above
- (e) Which one of the following is an input device?
 - (i) LCD
 - (ii) Joystick
 - (iii) Printer
 - (iv) None of the above
- (f) A memory has a capacity of $4k \times 8$. What is the capacity in bytes?
 - (i) 4000 bytes
 - (ii) 2048 bytes
 - (iii) 4096 bytes
 - (iv) None of the above
- (g) 'NAND Gate' is a combination of 'AND + OR'. (True/False)

2.	Exp	plain the following: $4 \times 3\frac{1}{2}$:	=1 4
	(a)	DDR	
	(b)	SRAM	
	(c)	ROM	
	(d)	BIOS Basics	
3.	(a)	What is Printer? What are the various types of printers?	7
	(b)	Differentiate between external and internal	
		modems.	7
4.		ine cache memory. Discuss the he organisation by Direct mapping and -Associative mapping.	14
5.	Har	cuss the construction and working of a cd Disk. Define the terms Track, Sector, inder and Formatting.	14
6.	(a)	Draw the block diagram and working of SMPS.	7
	(b)	Discuss 'UPS' with its working.	7
7.	(a)	Explain the working of Logic Probe with a diagram.	7
	(b)	Differentiate between active preventive maintenance and passive preventive maintenance.	7
BIEE-032 3 P.T.C			.O.

- 8. Write short notes on any **four** of the following: $4 \times 3 \frac{1}{2} = 14$
 - (a) Resolution
 - (b) CRT Monitor
 - (c) Video Accelerator Card
 - (d) LCD Display
 - (e) DVD ROM
 - (f) ISA