This question paper contains 4 printed pages.

17			
You	r Koll	No.	*************

Sl. No. of Ques. Paper:

: 8636

J

Unique Paper Code

: 62341101

Name of Paper

: Computer Fundamentals

Name of Course

: B.A. (Prog.) Computer Applications

Semester

: I

Duration

: 3 hours

Maximum Marks

: 75

Attempt all the parts of Question No. 1.

Attempt any five questions from Question No. 2 to Question No. 8. All parts of a question should be answered together.

SECTION A

Attempt all the parts.

- 1. (a) Write the full forms of:
 - (i) MICR
 - (ii) FLOPS
 - (iii) EEPROM
 - (iv) OMR

4

- (b) Convert the binary number 011011 into the following representations:
 - (i) 1's complement
 - (ii) 2's complement

2

P.T.O.

memory. Give examples of
ove examples of each.
(d) Briefly explain the working of the following registers:
(i) PC
(ii) MBR
(e) Add (01010) ₂ to (10000) ₂ .
(f) Define the following:
(i) Multiprogramming.
(ii) Cache memory.
(g) What is application software? Explain giving example.
(h) Arrange the memories in increasing order of their
speed:
Register, RAM, Hard Disk, Magnetic Tape
(i) Convert the following numbers to binary numbers:
(i) (1694) ₁₀
(ii) (135) ₈ Cheston P
alled !
SECTION B
Attempt any five questions.
(a) What are Point-and-Draw devices? Explain any two with
examples.
(b) What is RAM? Briefly describe the two types of
RAM.
ELI ELYE

3. (a) Differentiate between:

(i) Dot Matrix and Inkjet Printers

2.

		(ii) Direct access and Sequential access.
		(iii) Minicomputer and Supercomputer. 6
	(b)	
	(0)	them?
4.	(a)	What do you understand by Timesharing? What are its advantages?
	(b)	Define operating system. What are its functions?
5.	Wr	ite short notes on :
	(i)	Cloud computing
	(ii)	ROM
	(iii)	Microcomputers
	(iv)	Flash Drive
	(v.)	Mouse 2×5
6.	(a)	What are the components of computer hardware?
		Describe functions of each component with the help of a
		diagram. 6
	(b)	Define a Bus. What are the different types of buses? 4
7.	(a)	Subtract the following using complementary method:
		(i) $(110111)_2 - (0100100)_2$
	Ž.,	(ii) $(1100)_2 - (1011)_2$
	(b)	What is an optical disk? Explain the working of an optical
		disk.
0		
σ.	(a)	Explain briefly the use of computers in the following
		areas:
863	36	P.T.O.

- (i) Advertising
- (ii) Medicine
- (iii) Home.
- (b) What do you understand by base of a number in a respective system? Give an example to illustrate the role of positional number system.

downloaded from