This	question	paper	contains	4	printed	pages.	

5542 Your Roll No.

B.A. Prog. / I

D

COMPUTER APPLICATIONS

Paper-CS-I - Computer Fundamentals and Software Packages

(Admissions of 2004 and onwards)

Time: 3 Hours Maximum Marks: 45

(Write your Roll No. on the top immediately on receipt of this question paper.)

Part A is compulsory.

Attempt any two questions from Part B.

Attempt all parts of a question together.

PART - A

- 1. (a) Describe briefly the four categories of computers. (2)
 - (b) What is System Bus? List the main functional groups of a system bus. (2)
 - (c) Expand the terms: PROM, EPROM, CMOS and WORM. (2)

P.T.O.

2.

(d) What are pointing devices? Give two examples

of pointing devices.	(2)
(e) Write short note on device drivers.	(2)
(f) What do you understand by "Software"? are the various categories of software available.	
(g) Define the term "Animation".	(1)
(h) Differentiate between:	
(i) Hacker and Cracker	
(ii) Desktop and Laptop	(2)
PART – B	
(a) With the help of a diagram, explain the working	ng of
a computer.	(3)
(b) Explain how computers can be used in the fie	ld of
education and medicine?	(2)
(c) List any four characteristics of fourth genera	ition
computers.	(2)
(d) What is SMPS? What are its main function	s ?
	(2)

	(e) Explain the functions of Program cour Accumulator in a CPU.	nter and (2)
	(f) Carry out the following conversions:	
	(i) $(1110010)_2 = (?)_8$ (ii) $(148)_{10} = (?)_2$	(2)
	(g) What is Cache Memory? Explain the levels of cache available.	various (2)
3.	(a) What are the advantages and disadvant magnetic disk?	ages of (3)
	(b) Distinguish between:(i) Static RAM and Dynamic RAM	
	(ii) LCD and CRT	(4)
	(c) Briefly explain the hierarchy of memories a	vailable
	in the computer system.	(3)
	(d) Write short notes on:	
	(i) Scanners	
	(ii) Plotters	(4)
	(e) Give a suitable application of MICR.	(1)
4.	(a) What is deadlock? How can it be eliminat	ed from
	the system?	(3)

P.T.O.

(b) What are expansion cards?

5.

(c) Explain the desirable features of a good multimed system.	ia 3)
(d) Define Virtual Reality. What are the kee characteristics of virtual reality?	эу 3)
(e) What do you understand by user authentication	· ? 2)
(f) What is process scheduling? List out differe	
(a) Explain any three forms of software piracy. (3)
((b) What are the functions of system utility programs	; ? 3)
(c) Explain how digital signature is used while sending a document across a network.	ng 3)
(d) Explain biometric technique with an example. (3)
(e) Explain how software update is different fro software upgrade.	m 2)
(f) Name the first super computer developed india.	in 1)

(1)