

[This question paper contains 2 printed pages.]

4510

Your Roll No.

B.A. Prog. / I

AS

COMPUTER APPLICATIONS

Paper CS-I : Computer Fundamentals and Software
Packages

(Admissions of 2004 to 2010)

Time : 3 Hours

Maximum Marks : 45

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

Answer All questions.

1. (a) What are the characteristics of Super Computers ?
(2)
- (b) Perform the following conversions :-
 - (i) $(42F)_{16} = (?)_{10}$
 - (ii) $(11011.1011)_2 = (?)_{10}$ (2)
- (c) State the factors that should be considered while
choosing a processor of a computer system. (5)
2. (a) What do you understand by Magneto-Optical
storage devices ? Explain. (3)
- (b) What is a computer terminal ? State the different
types of terminals. (4)

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- (c) Define the term Aspect ratio. (2)
3. (a) What do you understand by Memory allocation ?
What are the different strategies used to allocate
memory space to a process ? (4)
- (b) Explain the life cycle of a process. (3)
- (c) What do you understand by Spooling ? (2)
4. (a) Explain the importance and role of animation in
making a multimedia application. (4)
- (b) What do you understand by data compression ?
(2)
- (c) What is software piracy ? and how it can be
avoided ? (3)
5. (a) Define Computer Security ? What are factors
responsible for effective computer security ? (3)
- (b) Differentiate between any **three** of the
following :-
- (i) Application - level Gateway and Circuit level
gateway
 - (ii) CD and DVD
 - (iii) Compiler and Interpreter
 - (iv) Raster Scan display and Random scan display
(2×3=6)