No. of Printed Pages: 6

BACHELOR OF COMPUTER APPLICATIONS (BCA) (REVISED)

Term-End Examination

December, 2023

BCS-011 : COMPUTER BASICS AND PC SOFTWARE

 $Time: 3\ Hours$

Maximum Marks: 100

(Weightage: 75%)

- Note: (i) Question No. 1 is compulsory and carries
 40 marks.
 - (ii) Attempt any **three** questions from the Question No. 2 to 5.

P. T. O.

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application software.

(e)) What is an algorithm? What are the thre							
	control statements in the context	of						
	algorithm ? Explain each statement w	ith						
	the help of an example.							

- (f) List any *two* features of a spreadsheet software.
- (g) Explain the ring topology of local area networks. Hist its advantages and disadvantages.
- (h) Explain the purpose of any *four* folders that are available in an email software. 4
- (i) List any *four* features of a social networking website.
- 2. (a) What are the different components of a computer? Explain the role of each component with the help of a diagram.

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- (b) Differentiate between the following: 8
 - (i) CD-ROM and Hard disk
 - (ii) Seek time and Latency time in the context of access time
 - (iii) Cache memory and Main memory
 - (iv) Transistor and Vacuum tube
- (c) What is a pont? Explain the uses of parallel port, serial port, universal serial bus and SCSI port.
- 3. (a) Explain the three-tier client-server architecture with the help of a diagram. 5
 - (b) What is multiprogramming? How is it different from batch processing? Explain. 5
 - (c) Explain the concept of one-dimensional and two-dimensional arrays with the help of an example pseudo code of each.

(d)	Explain	the	features	of	word	processing
	application.					5

- 4. (a) Explain the characteristics of a Wide Area

 Network. How is a WAN different to a

 LAN? Explain.
 - (b) What is the need of FCP/IP? What is a URL? How is URL different to an IP address? Explain with the help of an example.
 - (c) What is the role of a browser software?

 What is a search engine? How does a search engine collects information about web page?
 - (d) What are the characteristics of a WIKI?

 What are the different advantages of using a WIKI?

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- 5. Explain the following with the help of a diagram/example; if needed: $5\times4=20$
 - (a) Features of E-learning
 - (b) Perverse Software
 - (c) Features of project management software
 - (d) Different types of primers
 - (e) Disk checkers and disk defragmenters

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