	1º	2426		BCA-02
3.C.A. DE	GREE EXAI	MINATION	– JANUA	ARY, 2006.
	1	First Year		
		RAMMIN		
'ime : 3 ho	ours	N	laximum	marks : 60
	PART A -	- (4 × 5 = 20	marks)	
	Answer ar	ıy FOUR qu	estions.	1
	ain an entry loop in C.	- controlle	d loop and	l an exit –
. Wha	t are function	calls? Expl	ain.	
. Disc	uss the basic	operations p	performed	on queues.
. Expl n exampl	ain the adjac e.	ency matrix	of a grap	h by giving
. Writ	e short notes	on spanning	g trees.	
	t is meant e different wa	the second se		

PART B —  $(4 \times 10 = 40 \text{ marks})$ 

Answer any FOUR questions.

7. List the applications of stack and explain any one in detail.

8. Explain Binary search by giving a suitable algorithm to implement the process.

9. What are the basic operations that can be performed on a doubly linked list? Explain how to insert a new node at the end of the list.

10. Discuss the advantages and disadvantages of sequential and direct file organisations.

11. Explain by giving examples the various storage class specifications included in C.

12. Write short notes on :

- (a) Garbage collection.
- (b) Data storage.