- descriptions	1	Composition forms Brain Composition		
ones madistria	sel supports for file (file operation oper	a. With a next structure, explain how-	W370	2
(10 Marks)	(C)	fseek).	700	Ť.
	ream pointer and file descriptor? What		b.	
(96 Marks	ther and the nescriptor? What	be used to convert them one from e	-	
(04 Marks		c. Give any four differences between		
4000000000	Sing And Application of the State of the Sta			
ed file, if umasi	and permission set for newly created fi	a. What is umask value? What is th	80	3
insk value can be	n open call is 0664? Define bow umask	value is 0002 and permission speci		
	write permission of group members and			
(05 Marks		permission for other members		
(05 Marks		 Write C/C++ command line oxogra 		
ie tije, if set Uit.	ess created while executing excutable fil	What access permission of or a and set GID flags are OW?		
	lock for a region behind 5 bytes from			
	nsider file size in 100 bytes and current			
(95 Marks	desired the sace in few office was content	at 10 bytes.		
3440 5440000		3.0		
nandler function.	sit function is used to register exit hand	a. Illustrate with simple program hos	8.	4
(97 Marks		, XO,		
	dvantage and disadvantage of this funct	 b. Wind allocs function? Indicate any 	8.	
(03 Marks)	anctions? Illustrate them with simple pro	Charle the use of setime and board	0	
(10 Marks)	anciscus: musuase aiem with sample pre	Consum to me see of section and sorting	G	
		_		4
	RT - B		š.,,,,	10.
	ns in the system?	 What is the effect when following it 	2.	5
		 Parent terminates before child. 		
	arent not waited for child termination sta			
(06 Marks)		iii) Any of the Init child process te		
	at are the macros defined by POSIX.1 to	b. Explain wait and waitpid functions process is terminated?		
(08 Marks)	nt expe functions with their prototypes.			
			6.	

Sixth Semester B.E. Degree Examination, June/July 2015
Unix System Programming

Note: Answer FIVE full questions, selecting
at least IWO questions from each part.

PART—A

All posis confirming system are not usis system (True/False).

What are the restrictions specified to POSIX.1 by FIPS standard?

What is ermo variable? Write a C/C++ program to print error

Define different C preprocessor symbols defined by ANSI C.

Time: 3 hes.

10CS62

(01 Marks)

(07 Marks)

(06 Marks)

Max. Marks: 80

postic message of API

of sessions and process groups with a neat diagram.

diagram how Kernel supports for signals.

API with its prototype.

pipes? Wolfs a simple diagrams show how parent and child commelties not a simple diagram show how parent and child commelties not a simple diagram show how parent and child commelties not its FIFO? With a neat figure show FIFO's are used for ellent server communication.

(88 Marks.

What is measuage queue. Write functions to use message queue for sensing and receiving data.

by which thoses on any two.

i) popers and pelene functions.

iii) Characteristics of Daemon process.

(18 Marks)

(18 Marks)

(18 Marks)