

FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2015

Roll Number

(06)

COMPUTER SCIENCE

TIME A PART-I		VED: THREE HOURS S): MAXIMUM 30 MINUTES	PART-I (MCQS) PART-II	MAXIMUM MARK MAXIMUM MARK	
NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II, selecting at least ONE question from EACH SECTION. ALL questions carry EQUAL marks. (iii) All the parts (if any) of each Question must be attempted at one place instead of at different places. (iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper. (v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed. (vi) Extra attempt of any question or any part of the attempted question will not be considered. (vii) Use of Calculator is allowed.					
PART-II					
Q.No.2.	(a) (b) (c)	Why Registers are used in CPU of and Program Counter. Give scheme for Deadlock Prevent Elaborate the concept of IPV6. Expenses the concept of IPV6.	tion.		(08) (06) (06)
Q.No.3.	(a) (b) (c)	Explain the functionality of sever with TCP/IP protocol suite. Discuss Instruction Execution Cyc Briefly explain Paging and Segment	n layers of OSI reference		(08) (06) (06)
SECTION-B					
Q.No.4.	(a)(b)(c)	Explain the functionality of Hash give steps to insert data 112, 2023 2023 from Hash Table. What is the difference betwee Overriding? Explain your answer by Write short notes on the following I. USECASE Diagram	8, 3001 into Hash Table and en Function Overloading by giving example syntax for	and Function reach one.	(08) (06) (06)
Q.No.5.	(a)(b)(c)	Write down difference between: I. Data Hiding and Encapsula Build and draw a Binary Search T 69, 115, 50, 72, 17, 200, 60, 35. Explain Incremental Model of advantages over other models.	ntion II. Constructor ree for the following input of	and Copy Constructor data 25, 11, 75,	(08) (06) (06)
<u>SECTION-C</u>					
Q.No.6.	(a)	Write down notes on the following I. CRT Display Devices		olay Devices	(08)
	(b) (c)	What is CSS? How many ways are Write note on the followings: I. 3NF	e there to link CSS and XHT II. BCNF	TML?	(06) (06)
Q.No.7.	(a)	Differentiate between the followin concepts I. Equvi Join II.	g by giving their respective Outer Join III		(08)
	(b)	What are different web Archite			(06)

Line

drawing

from

Write down Incremental Algorithm for

 $p_0(x_0,y_0) \rightarrow p1(x_1,y_1)$ where $x_1 > x_0$ and |dx| > |dy|

Disadvantages.

(c)