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FEDERAL PUBLIC SERVICE COMMISSION

COMPETITIVE EXAMINATION FOR

RECRUITMENT TO POSTS IN BS-17

UNDER THE FEDERAL GOVERNMENT, 2017

Roll Number

(6)

COMPUTER SCIENCE

TIME	E AT.I	OWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
	EE HO		(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80
NOTE	: (i)	Part-II is t	o be attempted on the se		
	(ii)			from PART-II by selecting TWO ques	stions from EACH SECTION.
	(iii)			stion must be attempted at one place in	•
	(iv)		_	e Answer Book in accordance with Q	•
	(v)			een the answers. All the blank pages of	
	(vi)	Extra attei	mpt of any question or a	any part of the attempted question will	not be considered.
				PART-II SECTION-A	
Q. 2.	(a)	privacy w		to the problem of cybercrimes. Give nsibility of the government, what tec	
	(b)		e the difference between the traits in the li	en Harvard and Von-Neumann arcl ght of their capabilities.	nitectures of computers. (6)
	(c)	Describe t	그리다 이 경기 경기에 하는데 그렇게 잃었다면 하는데 하는데 하는데 되었다면 하다니 그 때문에 다.	e computer to support the running I memory in the computer. Also comn an operating system.	161
Q. 3.	(a)	Level a	nd High Level langua	ist for use in programming of cor iges. Elucidate on these three types w Level and High Level language into	s, giving details of the
				$-b \pm \sqrt{b^2-4}$	łac
	(b)	should pri Enter valu Enter valu Enter valu	ry for this purpose. The nt the result. A sample of e of a: 1 e of b: 2	e quadratic equation in $x = \frac{-b \pm \sqrt{b^2 - 4}}{2a}$ program should ask the user to enter execution of the program is shown below	values of a, b and c and
	(e)	machine I items nam code or na entries to amount to Enter prod Enter quan Do you ha	has a database of the ne, code and price. Mame of the product and be made. Once all t be charged on the scree duct name or code: 1	o create a program for a supermarket items available in the supermarket ake a program that requires the cas the quantity that has been bought. It is the entries have been made. The p in. A sample execution is shown below	which consists of the chier (user) to enter the chould allow for multiple program prints the total
		You may	construct the database as	s a structure.	
Q.4.	(a)	incrementa	al models? Elucidate t	ered when choosing particularly be he characteristics of Rapid Applicat ile Software Engineering.	
	(b)		iate between Softwa es used for empirical s	re Validation and Verification. oftware evaluation.	Discuss some of the (6)

(c) Discuss the importance of Requirements Engineering in the success of a software

project. Explain in detail the process of 'Requirements Sign-off'.