Time: 3 hours		rs Max. Marks: 80	Max. Marks: 80	
Instructions: i. Question 1 is compulsory.			000 X	
i. ii.		olve any three from remaining.		
Q1.				
	A	Give a write-up on general Quantum Operations.	(10)	
	В	How does Quantum computing differ from Traditional Computing?	(10)	
Q2.				
	A	What is Quantum Teleportation?	(10)	
	В	Explain the Quantum Circuit Model of Computation.	(10)	
Q3.	DA KD			
	A	Compare Quantum Supersampling (QSS) with Conventional Supersampling?	(10)	
3	В	Discuss Quantum Gates.	(10)	
Q4.	977	The State of the S		
	A	What is the benefit of QPU in the field of Computer Graphics?	(10)	
	В	How is linear Algebra performed in Quantum Computing?	(10)	
Q5.		THE STATE OF THE S		
	A	Write a note on circle notation for Multi-Qubit Registers.	(10)	
	В	Write a brief note on Orthogonal Projectors and Orthonormal Bases.	(10)	
Q6.		The state of the s		
	A	Explain Quantum Arithmetic briefly.	(10)	
	В	What are the various Quantum state transformations?	(10)	
CA.		********		

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