	16U218 (salvam 2 esi	(Pages: 2)	Name:
	SECOND SEMESTER BSc DEGREE EXAMINATION, MAY-2017  (Regular/Supplementary/Improvement)  (CUCBCSS – UG)		
	CC15 U CHE 2 C02 – PHYSICAL CHEMISTRY		
	(Complementary Course Chemistry)		
	(2015 Admission Onwards)		
		nol anosas Section - A noisand	
	(Answer all questions. Each question carries 1 Mark)		
1.	A process in which the	of the system is kent constant is	called an Isobaric process
2.	A process in which the of the system is kept constant is called an Isobaric process.  Among pressure, viscosity, surface area and surface tension, the extensive property of the		
-			
3.	RMS velocity of No is	than that of CO2 at the same tem	nnerature
4.	system is		
5.	Number of atoms present in the body centered cubic unit cell is		
6.	Vapour pressure of a liquidwith increase in temperature.		
7.	SI Unit of co-efficient of viscosity is		
8.	pH of 0.1 N sodium hydroxide solution is		
9.	The molar conductance of an electrolyte solutionwith increase in dilution.		
10.	Cell reaction is spontaneous when $\Delta G$ is		
	ities Give the significance of		$(10 \times 1 = 10 \text{ Marks})$
		Section - B en questions. Each question car	
	(Answer any seve	en questions. Each question car	ries 2 marks)
	Define path function. Give an	-	
	State the second law of thermo		
13.		eat and performs 2500 J of work	c. Calculate the internal energy
1.4	change produced in the system	1.	
	320 K.	which the RMS velocity of hydrog	solution.
15.	What are the causes for the de-	viations of real gases from ideal b	pehaviour?
16.	Explain reverse osmosis.		
		re does cause a decrease in surfac	e tension?
18.	What is a fuel cell? Give an example.  Define ionic product of water. What is its value at 298K?  Why on accuracy solution of formic phlorids in wide in the control of the		
19.	Define ionic product of water.	What is its value at 298K?	
20.	why an aqueous solution of re	erric chloride is acidic, while an a	queous solution of ammonium
	acetate is almost neutral.		$(7 \times 2 = 14 \text{ Marks})$
			$(7 \times 2 = 14 \text{ Marks})$

3. 4. 5. 6. 7. 8. 9. 10.

(3 +3 +4 = 10 Marks)"