Rayat ShikshanSantha's

Rajarshi Chhatrapati Shahu College, Kolhapur B.Sc. (Part-III ,Sem-VI) Preliminary Examination(2019-20) Subject: Physical Chemistry P-XIII

Instructions:	All questions are compulsory Figure to right indicate full marks. Draw a neat labelled diagram whenever need Use of scientific calculator is allowed.	Marks: 40
a) Cubic b) 2)	b) crystalline c)both a and b d)r n which gives maximum amount of prod) major c) chain d)consecutive n which the product of chemical change known asreactions. chain c)opposing d)side on of melting point of reaction with proquation b) Kirchoff's equation c) Clar	these . I) none of these. gives
2)Derive therr 2)Derive Bragg 3) What are re	the following (Any Two) modynamically the law of mass action g's equation with neat labelled eversible reaction? Derive an expression rsible reaction of first order.	(20) on for rate constant of the
Q.3) Write a si 1)Laws of crys 2)GibbsDuhem 3)Gibbs Helmh 4)Consecutive 5)Parallel reac	equation oltz equation. reaction	(12)