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SARDAR PATEL UNIVERSITY M. Sc. (IV SEMESTER) EXAMINATION 2019 26th MARCH 2019, Tuesday 2.00 p.m. TO 5.00 p.m.

Advanced Characterization Techniques – II (PS04EPHC22)

. Figures to the right indicate marks.	Total marks:70
2.1 Select the correct answer: (only code) (08)	
is the ratio between current (a) Resistance (c) Both (a) and (b)	and voltage. (b) Impedance (d) Capacitor
Ability of current to resist the flow of ele (a) impedance (c) real impedance	ectrical current is represented by (b) imaginary impedance (d) complex impedance
is the measurement of optically (a) Circularly birefringence (c) Circularly birefringent	rotation as a function of wavelength. (b) Circular dichroism (d) Optical rotatory dispersion
The emerging vector rotates an angle wirmedium is called (a) Optical rotatory dispersion (b) Circularly birefringent (c) Circular dichroism (d) Cotton effect	th respect to the original plane of polarization light, such a
Rotational spectroscopy lies between (a) 100 μm to 1 cm (c) 10 μm to 100 μm	(b) 1 cm to 4 cm (d) 1 μm to 10 μm
Anion exchanger used in ion exchange c (a) Amberlite IRC 50 (b) Rexgn ^d 201 (c) Rexyn 102 (d) Dowex ^a 50	hromatography is
	ny (b) High Performance Liquid Chromatography (d) Highly Placed Liquid Chromatography
In reversed phase HPLC, there is a (a) non polar solvent/polar column (b) polar solvent/non-polar column (c) non polar solvent/non-polar column (d) any of the above	(P.T.O)
	Select the correct answer: (only coessistance (a) Resistance (b) Both (a) and (b) Ability of current to resist the flow of ele (a) impedance (c) real impedance

(14)