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FACULTY OF PHARMACY

B. Pharmacy 3/4 Year I-Semester (Main) Examination, November 2013 Subject: Physical Pharmacy – I

Time: 3 Hours Max.Marks: 70

Note: Answer all questions. All questions carry equal marks.

1.(a) (b) (c)	Define refractive index. What is molar refraction?	6 4 4
(0)	OR	7
(d) (e)		8 6
2.(a)	State second law of thermodynamics. How do you calculate efficiency of steam engine?	8
(b)	<u> </u>	6
(c) (d)	·	7 7
3.(a) (b)		7 7
(c) (d) (e)	depression? Derive the equation for ionization of a weak acid.	7 4 3
4.(a) (b)		8 6
(c)	How do you prepare pharmaceutical buffer? Give examples.	7
(e)	· ·	4 3
5.(a) (b)	· · · · · · · · · · · · · · · · · · ·	10 4
(c) (d)	How do you measure pH using glass electrode.	7 7
