## MAJOR TEST - May 2010

## PTL 714: POLYMER BLENDS & ALLOYS

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Answ	er all questions	Max. Marks:100;	Time 2 hrs.
Q.I.	Describe the various theoretical mode mechanical properties of binary blends used in these theoretical models to repa adhesion in binary blends.	s, and discuss about t	the parameters
Q.II.	Distinguish between  (a) IPNs, graft copolymers and blend (b) Semi-IPN, Simultaneous IPN, Sec. (c) Stress whitening and the whitening	quential IPN	[30] band formation
Q.III.	(a) Describe in brief various theories (b) Distinguish between staining by		g. [15] [10]
Q.IV.	Describe briefly the following:  (a) Under what conditions there occurred two-thirds power law in a bina  (b) Name some commonly used corrected the correcte	ary polymer blend.	_

(d) Transparency control in PVC/MBS blend(e) Limitation based definition of rubber toughening

blends
(c) Reactive blending