

Roll No.

2359

B. E. 6th Sem. (P.T.)

Examination – May, 2009

PRINTING INTER TECHNOLOGY

Paper : PT-308

Time : Three hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. All questions carry equal marks. Draw neat & clean diagrams :

1. Define & differentiate between Solvent-based & water-based Inks. 20
2. Write a detailed note on pigments, their types & physical characteristics. 20
3. Throw light on Vehicles & Additives used in Inks. 20
4. What do you mean by Radiation Curing of Ink ? Also discuss the chemistry of Ultraviolet-curing. 20
5. Describe Paste Inks. 20

6. Comment on the Special Security features of "Security Inks". 20
 7. Explain in detail the various Quality Control Tests meant for Security Inks. 20
 8. Write a detailed note on printing Ink. Manufacturing Machines & Equipments. 20
-