

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 What is the role and importance of printing ink?
- Q.4 Discuss acids and alkalis in printing industry with its importance.
- Q.5 Discuss eco-friendly materials with suitable examples.
- Q.6 Mention various adhesives used in the printing and packaging industry.
- Q.7 What is the role of organic compounds? Discuss with their specific uses.

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No. of Printed Pages : 4

Roll No.

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4th Sem. / Ptg. Tech

Subject : Printing Science-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) Printing ink.
b) Rehology.
c) Ink drying.
d) Process colour inks.
e) Special inks.
f) Definition of pH.
g) Buffer solution.
h) Digital pH meter.

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- i) Quick setting inks.
- j) Toxic materials.
- k) Waste treatment.
- l) Cleaning agent.
- m) Adhesives.
- n) Coatings.
- o) Carbon compounds.
- p) Aromatic compounds.
- q) Varnish.
- r) Organic compounds.
- ii) Characteristics of printing ink.
- iii) Ink manufacturing.
- iv) Basic ink drying methods.
- v) Fluorescent inks and its specific applications.
- vi) Significance of pH control.
- vii) Concentration and pH value.
- viii) Measurement of pH using indicator.
- ix) Principles of digital pH meter.
- x) Construction of digital pH meter.
- xi) Importance bio-degradable materials.
- xii) Importance of toxic materials.
- xiii) importance of recycling.
- xiv) Physical characteristics of adhesives.
- xv) Various carbon compounds.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) Constituents of printing ink.

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