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SEAT No. :

P1158

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[4659] - 187

B.E. (Printing)

TECHNOLOGY OF GRAVURE

(2008 Pattern) (Semester - I)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates :

- 1) Answers to two sections should be written separately.*
- 2) Draw neat diagram wherever necessary.*

SECTION - I

- Q1)** a) Explain in detail laser engraving process. [10]
b) Describe the effect of cell geometry on gravure printability. [8]

OR

Explain in detail electronic engraving of a Gravure cylinder. [18]

- Q2)** Describe in detail variables that affect plating of gravure cylinder. [16]

OR

Explain the function of Copper and Chrome in cylinder making. [16]

- Q3)** Explain in detail unit configuration of a Gravure press. [16]

OR

Explain different types of inks used in gravure process. [16]

SECTION - II

- Q4)** Explain in detail doctor blade system on a gravure press. [18]

OR

Explain in detail types of inking system on gravure press. [18]

P.T.O.

Q5) Explain in detail the effect of ESA on gravure print quality. [16]

OR

Explain the factors governing pressure on a gravure press. [16]

Q6) Explain in detail register control system for a Gravure press. [16]

OR

Write notes on: [16]

- a) Doctor Blade Streaks
- b) Hickeys
- c) Dot Skips
- d) Smudging

