

B.PRINTING ENGG.THIRD YEAR 1ST SEMESTER SUPPLEMENTARY

EXAMINATION 2017

Offset Printing Machines

Time: Three hours

Full Marks: 100

Answer any **Five** questions

1. (a) Discuss in brief about how the feeding of double sheets is restricted in Streamline Sheet feeder.
(b) Discuss about the different types of detector devices used in Streamline Sheet Feeder.
(c) Discuss in brief how the feeding of the sheet is controlled in the feed board of sheet fed offset press. 5+8+7=20
2. (a) In any sheet fed offset press the bevel edge of the depression gap of the plate cylinder carrying the leading plate edge is designed to coincide with the blanket cylinder depression slightly in advance. Why?
(b) Discuss in brief about the plate and blanket clamping mechanisms used in sheet fed offset press.
(c) Discuss with neat sketch how the sheet is transferred between multi-station of a multicolor sheet fed offset press without disturbing the registration. (2+8+10)
3. (a) What are the basic features of an inking system used in sheet fed offset press?
(b) Discuss in brief how the supply of ink is controlled in sheet fed offset press.
(c) Discuss in brief the different types of ink rollers pyramids used in sheet fed offset press. 5+7+8
4. Discuss in brief about the different types of insertion systems used in sheet fed offset press. 20
5. (a) What do you mean by Three Point Registration system? What are the benefits of this system?
(b) What are the adjustment provisions the front lays have?
(c) Discuss in brief about the different types of pull type side lays used in sheet fed offset press.
(d) What are the limitations of the push type side lays? 3+2+5+7+3
6. (a) Discuss in brief the different types of intermediate sheet transport devices used in sheet fed offset presses.

(b) Discuss with neat sketch the Blanket-To-Blanket Type of perfecting press in sheet fed offset. 10+10

7. Discuss in brief about the different types of sheet control systems used in the delivery of the sheet fed offset presses 20