B.PRINTING ENGG. SUPPLEMENTARY EXAM. 2024
FINAL YEAR FIRST SEMESTER
NEWS PAPER PRINTING TECHNIQUES

Time: Three hours **Full Marks: 100**

Answer any five questions

1. (a) Discuss in brief the working principle of Optical Character Recognition.

   (b) Modern Optical Character Recognition devices are called Intelligent Character Recognition devices. Why ?

   (c) Discuss in brief the application of Optical Character Recognition.

   5+10+5 =20

2. (a) What are the basic differences between text scanner and image scanner ?

   (b) Discuss in brief the working principle of telecommunication system.

   (c) Discuss in brief the problems occurred in transferring data through telecommunication systems.

   5 +5 +10 =20

3. (a) Discuss in brief the functions of the following equipments used in Computer-to-Plate units: -

   (v) Digital Front End (DFE).

   (vi) Post Script Interpreters and RIPs.

   (b) Discuss in brief the working principle of the following type of exposure units used in CTP with their merits and demerits:-

   (v) Internal Drum Type

   (vi) External Drum Type (5+5)+(5+5)=20

4. (a) What are the different types of plates used in CTP ?

   (b) Discuss in brief on any three types of CTP plates with their processing.

   4+16 =20

5. Discuss in brief the basic configurations of Web Offset Presses used in Newspaper Industry. 20

6. Discuss in brief about the different types of automatic reel splicing systems used in the web offset press. 20

7. Discuss with diagram any two dampening systems used in the web offset press. 20