

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Calculate production of paper in ton per day if paper machine is running at 530 m/min producing paper of 52 GSM and deckle of 3.78 m.

Q.24 Discuss in detail construction and working of twin vertical sheet formation system with a neat diagram.

Q.25 Write short note on any two:

- a) Cylinder mold machine
- b) Press felt treatment
- c) Flow diagram of back water system

No. of Printed Pages : 4

220644

Roll No.

4th Sem / Chemical (Pulp & Paper)

Subject : Paper Making - I

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 PH of solution is negative of logarithm of _____ concentration

- a) Hydrogen ion b) sodium ion
- c) Chloride ion d) None of them

Q.2 Name of equipment used to clean stock on the basis of size

- a) Centric leaner b) Pressure screen
- c) Both of these d) None of these

Q.3 PH of back water

- a) 7 b) More than 7
- c) Less than 7 d) None of these

Q.4 _____ in paper web is expressed in percentage

- a) Mass % b) Dryness
- c) Weight d) None of these

Q.5 Unit of _____ of paper is meter

- a) Deckle b) Density
- c) Concentration d) None of these

Q.6 Head box lie between _____ and slice

- a) Table roll b) Couch roll
- c) Breast roll d) Disributer

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Calculate pulp consistency if 450ml of pulp slurry contains 47 gm oven dried pulp

Q.8 Name types of slice

Q.9 Define GSM

Q.10 Write the function of deflector

Q.11 Write the SI unit of pressure

Q.12 Write the function of plain press

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Describe briefly working of suction press

Q.14 Write a short note on cycloidal pump

Q.15 Discuss mechanism of wet web pressing operation

Q.16 Write short note on closed head box

Q.17 Explain sequence of wire part operation

Q.18 A paper machine is running at 425m/min calculate the head required in head box

Q.19 Name various types of approach flow system. Explain briely anyone.

Q.20 Discuss types of press arrangement briefly.

Q.21 Explain briefly working of cylinder mold machine.

Q.22 Draw a neat sketch of fourdrinier machine.