

Q.24 Write down any two

- (a) Pulp Bleaching
- (b) Pulp washing
- (c) Fiber morphology

Q.25 Write a note on

- a) Green Liquor
- b) Bath ratio
- c) Causticity
- d) H - factor

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**1st Sem / Chem P&P**

**Subject : Introduction to pulp and paper Technology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 Which of the following chemical is not used as part of pulp and paper industries.

- a) Black liquor                      b) Green Liquor
- c) White liquor                      d) None of these

Q.2 First country to make paper \_\_\_\_\_.

- a) Japan                                  b) China
- c) America                              d) India

Q.3 The fibre of \_\_\_\_\_ wood is generally longer

- a) Hardwood                              b) Grass
- c) Softwood                                d) None of these

Q.4 Pulp of paper industry consist \_\_\_\_\_ Part in the making of paper

- a) Bleaching                              b) Paper making
- c) Stock preperation                      d) All of these

Q.5 Bamboo used in paper industry for

- a) making paper
- b) for support in industries
- c) used as a crop
- d) None of these

Q.6 The wood of walnut tree is an example of

- a) Hardwood
- b) Both a and b
- c) Softwood
- d) None of these

### SECTION-B

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

Q.7 Give name of paper industries.

Q.8 Write SI unit of Temperature

Q.9 Define Hemicellulose.

Q.10 What is the chemical formula of urea.

Q.11 Define pulp consistency.

Q.12 Medium required for conduction is \_\_\_\_\_ solid / fluid.

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### SECTION-C

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

Q.13 Define sulphidity.

Q.14 Define washing efficiency

Q.15 Explain bleachability and pulp yield.

Q.16 Write properties of cellulose.

Q.17 Write down the importance of paper industries.

Q.18 Write a note on permanganate number.

Q.19 Write a note on black liquor and white liquor ?

Q.20 Write a note factor affecting in selection of location of paper industries.

Q.21 Write a note on paper and paper board.

Q.22 Write a note on bath ration.

### SECTION-D

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

Q.23 Give brief overview of process of paper making with the help of block diagram.

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