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## **CM-5005(3)-CBGS**

### **B.E. V Semester**

Examination, June 2020

### **Choice Based Grading System (CBGS)**

### **Pulp and Paper Technology**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Answer any five questions.

ii) All questions carry equal marks.

1. a) Explain various stage of Raw material preparation for manufacturing processes of paper.  
b) Describe pulping processes.
2. a) Describe physical, chemical and electrical properties of paper.  
b) Describe properties and uses of paper.
3. a) Explain in detail the process of pulping from Bamboo.  
b) Define and explain the term secondary fiber along with their properties.
4. a) What are the two major types of refiners?  
b) What are the differences between functional and control additives?
5. a) Discuss the working of Combined Mould and Foundrier machine.  
b) Discuss the working of the Yankee Cylinder Calendaring.

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6. a) Explain types of paper and their properties and uses.  
b) Define these terms : Formation, Gloss, Caliper, Density Bulk, Burst strength, Breaking length and Sizing.
  
7. a) Explain how dryer performance can be controlled to obtain good paper quality in quantity?  
b) What are the properties of paper that are tested online?
  
8. a) What are the parameter that are considered to check the quality of paper?  
b) Discuss the properties and uses of handmade paper.

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