

**B.S.W. (Honours) Examination, 2018**  
**Semester-V**  
**Course : C-SWC-26-Hand Made Paper**  
**Work Education (Crafts and Skill Development)-III**

**Time : 3 Hours**

**Full Marks : 50**

Questions are of value as indicated in the margin

1. When paper was first discovered in the world by whom and where? 3
2. Why Hand Made Paper is more strong than the Mill made Paper. 3
3. How many types of raw-materials are there in Hand Made Paper Industries? Mention a few 5
4. What are the stages of Beating in paper pulp making? 4
5. Why we are using the following Chemicals as an internal sizing for Hand Made Paper-Industries.  
(a) Starch (Arrarrot) , (b) Resin, (c) Alum. 6
6. What will be the ratio when NaOH is used for Resin Soap preparation? 3
7. For Resin Soap preparation we have taken 3.5 Kgs Resin. Then how much quantity of NaOH and water we have to take? 3
8. Write down the chemical names of the following (**any four**) : 4  
(a)TiO<sub>2</sub>, (b) ZnO, (c) C<sub>19</sub>H<sub>29</sub> COOH, -  
(d) Al<sub>2</sub> (SO<sub>4</sub>)<sub>3</sub>, (e) NaOH, (f) Na<sub>2</sub>CO<sub>3</sub>.
9. What kind of paper we can produce from the following raw-materials in Hand Made paper-Industries?  
(a) Rice or Wheat Straw, (b) New-white tailor or Hosiery cutting, (c) Road Waste or Waste Paper. 3
10. What types of Paper can be produced in Hand Made Paper Industries? Write down the 6 (six) Paper names. 3
11. Write down the three Physical Properties or three Chemical properties of paper 3
12. What do you mean by G. S. M. of Paper? How you will find out the G.S.M. of paper? 3
13. What will be the size of the paper in Trade Name in inch? (**any three**)  
(a) Half foolscap, (b) Medium size, (c) Double Crown Size, (d) Imperial size. 3
14. What Types of raw-materials required for Paper-pulp Toy making? Write down with percentage. 2
15. In the case of Hand Made Paper one ream sheet-weight 12.5 Kgs. Then how much weight will be the 35 Sheets of Paper? 2