

Q.20 Write the working of vapour loc machine.

Q.31 Differentiate between souring and scouring.

Q.32 What are the merits and demerits of plate singeing method.

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 With a neat diagram explain the construction & working of Pad chainless fabric mercerising machine.

Q.34 Discuss in detail any two washing machines used in textile industry.

Q.35 What is the mercerisation. Discuss in detail the process parameters along with various changes that occur during mercerisation.

Q.36 With a neat diagram explain construction & working of J-box machine.

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### 3rd Sem. / Textile Processing

#### Subject : Technology of Bleaching - I

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Objective type questions. All questions are compulsory (10x1=10)

Q.1 Name any one added impurity.

Q.2 At which stage bleaching is done.

Q.3 What pH is required for peroxide bleaching.

Q.4 Scouring in J box is done in \_\_\_\_\_ form (rope/openwidth)

Q.5 Bleaching powder is \_\_\_\_\_ hypochlorite (potassium/Calcium)

Q.6 Desizing causes \_\_\_\_\_ in weight (loss/gain)

Q.7 Name the chemical used for mercerisation.

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Q.8 Name one drawing machine.

Q.9 Name one mercerising machine.

Q.10 At what stage scouring is done.

### SECTION-B

**Note:** Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Object of desizing.

Q.12 Object of scouring.

Q.13 Object of bleaching.

Q.14 Object of singeing.

Q.15 Object of drying.

Q.16 Write two advantage of gas singeing.

Q.17 Name any two added impurities.

Q.18 Name any two desizing methods.

Q.19 What are natural impurities.

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Q.20 At what pH hypochlorite bleaching is done.

Q.21 What is the function of sodium silicate in peroxide bleaching.

Q.22 Name any two parts of J-box Machine.

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 What is saponification.

Q.24 Discuss in brief what is detergency.

Q.25 Write short note on acid desizing.

Q.26 Explain the role of stabilizer in peroxide bleaching.

Q.27 Discuss briefly about hypochlorite bleaching.

Q.28 Briefly write about gas singeing machine.

Q.29 List out the advantages of sodium hypochlorite bleaching.

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