

17687

21415

2 Hours / 50 Marks

Seat No.

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Instructions : (1) All Questions are *compulsory*.

(2) Answer each next main Question on a new page.

(3) Illustrate your answers with neat sketches wherever necessary.

(4) Figures to the right indicate full marks.

(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any SEVEN :

14

- (a) What is the importance of testing ?
- (b) List out different dye-stuff performance tests.
- (c) What is meant by Quantitative estimation of chemicals ?
- (d) State one chemical name of wetting agent and dispersing agent each.
- (e) Define the term "Moisture Content".
- (f) State the different types and nature of auxiliaries.
- (g) What is OBA ?
- (h) State the importance of sequestering agent.
- (i) What is the function of wetting agent in textile wet processing ?
- (j) Define binder and give one example.

2. Attempt any FOUR :

12

- (a) Explain testing procedure of dyestuff performance by migration test.
- (b) Give a method of quantitative estimation of hydrogen peroxide.
- (c) Explain a method of evaluation of synthetic stiffeners by performance test.

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- (d) Explain a method of testing of sequestering agents for determination of chelating value.
- (e) Describe procedure for testing of auxiliaries for determination of solid content. Give the significance.
- (f) Give procedure for testing OBA by spectrophotometric technique.

3. Attempt any FOUR :

12

- (a) Describe testing procedure of dyestuff performance for critical temperature test.
- (b) Give a method of Quantitative estimation of caustic soda and sodium hydrosulphite.
- (c) Explain tests for stripping of various types of dyes.
- (d) Give procedure for testing of resin for free formaldehyde content.
- (e) Explain a method of testing cationic dye-fixing agents.
- (f) Describe procedure of evaluation of binder for determination of stability and pH.

4. Attempt any FOUR :

12

- (a) Explain a method of testing carriers performance by dyeing method.
 - (b) How will you analyse thickeners quantitatively and qualitatively ?
 - (c) What are softeners ? Explain its performance evaluation by application method.
 - (d) Give a method of testing dispersing agent.
 - (e) How will you determine washing fastness of dyed sample ?
 - (f) Give procedure for evaluation of levelling agent by performance test.
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