

GUJARAT TECHNOLOGICAL UNIVERSITY**BE SEM-III Examination May 2012****Subject code: 132801****Subject Name: Textile Design & Colour****Date: 11/05/2012****Time: 02.30 pm – 05.00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** Answer the following OBJECTIVE questions: **07**
- i. Colour has no dimensions. True / False, Justify if false.
 - ii. State secondary colours applied for Brewster's theory.
 - iii. Give any two pairs of complementary colours.
 - iv. Show the spectral power distribution curve of sunlight.
 - v. How can a citron colour be produced?
 - vi. The value of chrome for a perfect white object is _____.
 - vii. Illustrate any three chromatic colours.
- (b)** Enlist different components of colour perception. Explain the role of object to view any colour. **07**
- Q.2 (a)** State the principles of Textile design. Explain any two in detail. **07**
- (b)** Explain static and dynamic expression and draw design for the same. **07**
- OR**
- (b)** Write a note on categories of "Positions" giving one example of each. **07**
- Q.3 (a)** What is meant by colour therapy? Discuss the importance of different colours for healing. **07**
- (b)** What is the importance of colour mixing? Elucidate in detail about additive colour mixing with suitable examples. **07**
- OR**
- Q.3 (a)** Define "Colour blindness". Enumerate in detail on various types of colour blindness involving suitable parameters. **07**
- (b)** What are the various ways of showing growth in the design? Explain it with suitable example. **07**

- Q.4 (a)** Describe the colours using different colour dimensions according to Desert island experiment. **07**
- (b)** What do you mean by formal and informal balance? Explain both with suitable examples. **07**

OR

- Q.4 (a)** Discuss the importance of Brewster's colour circle in colour mixing. **07**
- (b)** How are the materials modified by the source of light? Discuss. **07**

- Q.5 (a)** Define "Complementary colours". Explain their importance using suitable examples. **07**
- (b)** Draw the following designs: **07**
- i. With freedom of openness and closeness. (Use any three motifs)
 - ii. Border design using circle, half circle and straight line.
 - iii. Show Rhythm (Use any two motifs)

OR

- Q.5 (a)** Write the characteristics and symbolism of different colours. (Minimum five colours should be discussed) **07**
- (b)** Discuss the process of production of new colour as an admixture of blue and yellow colours. **07**
