

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – SUMMER • 2014****Subject Code: 132801****Date: 30-05-2014****Subject Name: Textile Design and Color****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. Name any two source of light.
 - ii. Addition of white colour changes _____ parameter of the colour.
 - iii. Give one example showing dispersion phenomenon.
 - iv. The circle which gives idea about pairs of complementary colours is called _____ circle.
 - v. State wavelength range for blue hue.
 - vi. Name the visual pigments presents on cones.
 - vii. Name any two vivid colours.
- (b)** Explain various ways of showing growth in the design with suitable examples. **07**
- Q.2 (a)** Discuss the role of object in viewing geometry with suitable examples. **07**
- (b)** State the techno-physical aspects and process involved in desert island experiment. **07**
- OR**
- (b)** What is metamerism? Discuss about different types of metamerism with suitable examples in context to textiles. **07**
- Q.3 (a)** Introduce colour therapy. Discuss the role of different colours in colour therapy. **10**
- (b)** Depict about chromatic circle. **04**
- OR**
- Q.3 (a)** Depict about different parts of a human eye with neat sketch. **10**
- (b)** Write a note on complex subtractive colour mixing. **04**
- Q.4 (a)** Explain with suitable designs decorative and geometric motif. **07**
- (b)** By giving suitable examples of designs, explain in detail two principles of design viz. “repeatation” and “balance”. **07**
- OR**
- Q.4 (a)** Explain position of motif with suitable designs. Give two designs for each position. **07**
- (b)** Explain Rhythm & Harmony with suitable designs. **07**
- Q.5 (a)** Discuss the role of light source in perception of any colour considering appropriate examples. **10**
- (b)** Enlist dimensions of colour. Elaborate on each. **04**
- OR**
- Q.5 (a)** Elucidate suitable examples to understand about additive colour mixing of colours. **07**
- (b)** Give the phenomenon of complementary colours. **07**
