

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-III (Textile Production) Examination December 2009****Subject code: 132801****Subject Name: Textile Design and Colour****Date: 17 / 12/ 2009****Time: 11.00 am – 1.30 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) Explain with suitable designs any four methods for composing all over textile design. **07**
- (b) What are the elements of an art? Explain importance of line, shape, size and texture with suitable designs. **07**
- Q.2** (a) What is difference in alteration and repeatation? Explain these two principles with suitable designs. **07**
- (b) With suitable examples explain expression of motif. Also explain growth along with designs. **07**
- OR**
- (b) Explain with suitable designs, position of motif. Give two designs for each position. **07**
- Q.3** (a) Explain the production of blue colour by admixture of green and violet. **07**
- (b) Draw the neat diagram of eye, and write a note on iris and lens. **07**
- OR**
- Q.3** (a) i) Describe additive colour mixing. **04**
ii) Explain colour rendition. **03**
- (b) Describe source of light as a component of colour viewing. **07**
- Q.4** (a) Explain colour categories. Give characteristics and symbolism of any three colours. **07**
- (b) Explain production of color and perception of color. **07**
- OR**
- Q.4** (a) Describe spectral power distribution curves of various sources and spectral reflectance curves of objects. **07**
- (b) Define color dimensions and explain the Judd's experiment. **07**
- Q.5** (a) Explain the concept of Colours in combination by colour contrast. **07**
- (b) Discuss the pigment theory of color. **07**
- OR**
- Q.5** (a) Write a short note on Subtractive Color Mixing. **07**
- (b) What is color blindness? Explain color therapy. **07**
