

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – WINTER • 2014

Subject Code: 2132801

Date: 20-12-2014

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)** What is the difference between textile design and drawing, explain it with suitable examples. **07**
- (b)** Elaborately discuss the phenomenon of subtractive color mixing. **07**
- Q.2 (a)** Explain Even and alternate all over pattern distribution giving suitable examples. **07**
- (b)** Explain “any two” principles of textile design with suitable examples. **07**
- OR**
- (b)** With suitable design explain unit repeating design and half drop base design. **07**
- Q.3 (a)** Define rhythm and harmony giving suitable example in each. **07**
- (b)** Write a note on units of design. **07**
- OR**
- Q.3 (a)** Show electromagnetic spectra. Give plots showing spectral power distribution of few natural and artificial sources. **07**
- (b)** Discuss the phenomenon of color rendition with suitable plots and examples. **07**
- Q.4 (a)** i) Give the spectral reflectance curves of chromatic and achromatic objects. **07**
- ii) Explain the terms, tint and shade.
- (b)** Discuss pigment theory of colour with suitable examples. **07**
- OR**
- Q.4 (a)** Give neat sketch showing horizontal cross section of eye and structure of retina with proper nomenclature of various parts and explain in brief its functioning. **07**
- (b)** Explain what normal colour vision is and in context to this discuss defects of colour vision. **07**
- Q.5 (a)** Explain the phenomenon: After image and Simultaneous contrast **07**
- (b)** Discuss Desert island experiment and its outcomes. **07**
- OR**
- Q.5 (a)** Enlist various color order systems. Discuss in detail Munsell system with neat sketches. **09**
- (b)** Write a note on Colour Harmony. **05**
