Seat No.:	Enrolment No.

Subject Code: 132801

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – SUMMER • 2014

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. 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. Explain various ways of showing growth in the design with suitable examples. 07 0.2 Discuss the role of object in viewing geometry with suitable examples. 07 (a) **07 (b)** State the techno-physical aspects and process involved in desert island experiment. OR What is metamerism? Discuss about different types of metamerism with suitable **07** examples in context to textiles. Q.3 (a) Introduce colour therapy. Discuss the role of different colours in colour therapy. 10 Depict about chromatic circle. 04 **(b)** OR **Q.3** (a) Depict about different parts of a human eye with neat sketch. **10** Write a note on complex subtractive colour mixing. **(b)** 04 0.4 Explain with suitable designs decorative and geometric motif. **07** (a) By giving suitable examples of designs, explain in detail two principles of design **(b)** 07 viz. "repeatation" and "balance". OR Explain position of motif with suitable designs. Give two designs for each **Q.4** (a) 07 position. Explain Rhythm & Harmony with suitable designs. 07 **(b) Q.5** Discuss the role of light source in perception of any colour considering 10 appropriate examples. Enlist dimensions of colour. Elaborate on each. **(b)** 04 Q.5 (a) Elucidate suitable examples to understand about additive colour mixing of **07** colours. **(b)** Give the phenomenon of complementary colours. 07
