

MAJOR - SECOND SEMISTER 2006 – 2007

TT 743 Principles of Colour Measurement and Communication

DATE: 05 – 05 – 2007 - VENUE: TX 120 - TIME: 08.00 – 10.00 AM - MARKS: 36

ATTEMPT ALL QUESTIONS

1. Colour Therapy, Dreams and Mood

- (a) How does colours affects the brain and thereby the mood of a person
- (b) Discuss the importance of Purple Colour and its role in various aspects of our life
- (c) How does colours acts as a relaxation therapy? Give two examples
- (d) What is (REM) sleep and its implications on colours in dreams? [8]

2. Colour in birds, fish and meat:

- (a) Discuss the mechanism of non-pigment coloration of birds.
- (b) Describe the Kusmic hypothesis of fish colour vision.
- (c) Write a brief note on the pigments present in meat. [6]

3. Colour blindness, colour of the eye

- (a) How one sees the colour.
- (b) Why men are more likely to have colour blindness as compared to women?
- (c) Give the main reason behind colour of eye. [6]

4. Colour of the Sky : Explain the following phenomena:

- i. Atmospheric Coronas
- ii. Glories
- iii. Bishop's Ring
- iv. Twilight Colors [4]

5. Colour Forecasting: Explain the factors, which affects colour forecasting. [3]

6. Explain the important factors for the development of RETINEX techniques [3]

7. Mention five important parameters that you would look into the specification of a reflectance spectrophotometer while purchasing a spectrophotometer. [3]

8. Give the salient features of a good software to be used for quality control assessment in a textile mill. [3]