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B.E / B.Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APR / MAY 2014

PRINTING TECHNOLOGY

VII Semester

PT501/PT9026 Colour Management

(Regulation 2004/2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

Part – A (10 x 2 = 20 Mark)

1. List the standard light sources and standard observers used in colorimetry.
2. Define hue, saturation and value.
3. What is a gamut?
4. What are the steps in standardizing a press?
5. Which test targets are used for creating a digital camera profile?
6. How does fluorescence affect profile quality?
7. Define CMM.
8. Compare the gamut boundaries of a monitor and a press.
9. What is remote proofing?
10. What is profile embedding?

Part – B (5 x 16 = 80 Mark)

11. Describe in detail about the working principle of spectrophotometer with diagram.
12. a. Explain the need for colour management and the steps for achieving colour managed workflow.

(or)

- b. Discuss in detail about closed loop and open loop colour control.

13. a. Explain in detail about the steps involved in creating a scanner profile.

(or)

- b. Write short notes on i) Profile quality ii) Profile editing iii) Profiling software.

14. a. Explain in detail about the types of rendering intents and its application with suitable example.

(or)

- b. i) What are the functions of a Colour Matching module? Explain its working principle.
ii) Discuss in detail about Colour appearance models.

15. a. i) Explain in detail about role of ICC profiles in proofing.

- ii) Discuss about RGB and CMYK workflows.

(or)

- b. Explain about the colour management features in Photoshop.