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**B.E / B.Tech ( Full Time ) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013**

**PRINTING TECHNOLOGY**

**V Semester**

**PT 9026 Colour Management**

**(Regulation 2008)**

16

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

**PART-A (10 x 2 = 20 Marks)**

1. Differentiate between device dependent and device independent color spaces with example.
2. What are the disadvantages in colorimeter?
3. What are the variables in printers that affect color reproduction?
4. Define profile.
5. What is profile editing?
6. What are the limitations in creating profile for digital cameras?
7. Write the advantages of color appearance models.
8. Compare the gamut of a monitor and offset press in chromaticity diagram.
9. For what types of jobs will you choose RGB workflow? Justify.
10. What is an assumed workflow?

**Part – B ( 5 x 16 = 80 marks)**

11. i) Explain in detail about the types of rendering intents and their applications with suitable example. (12)  
ii) What is a CMM? Explain its function. (4)
12. a. With neat diagram, explain the working principle of a spectrophotometer. (OR)  
b. Explain in detail about the various attributes of light sources and objects that affect color perception.
13. a. Discuss in detail about the profile structure of scanner and printer profiles. (OR)  
b. How will you create a display profile for a LCD monitor? Explain the steps.
14. a. Explain in detail about the need for color management and the role of International Colour Consortium in standardizing. (OR)  
b. Discuss in detail about open loop and closed loop colour management with its merits and demerits.
15. a. Write short notes on i) soft proofing ii) embedded workflow iii) Internet workflow (OR)  
b. Write in detail about the colour management features in Adobe Photoshop.