

Time : 3 hrs

Max Mark:100

ANSWER ALL QUESTIONS

Part – A (10 x 2 = 20 Mark)

1. What are the attributes of colour?
2. Differentiate between densitometer and spectrophotometer.
3. What is halftoning?
4. What are moiré patterns?
5. Why is gray balance an important tool in printing?
6. What is the need for unsharp masking?
7. State the additivity rule.
8. What are the factors that affect colour in digital camera?
9. Compare between colorimetric and perceptual rendering intents.
10. What are the needs for a digital proof?

Part – B (5 x 16 = 80 Mark)

11. i) Explain the additive and subtractive theory of colour reproduction with its merits, demerits and applications. (8)
- ii) With neat diagram, explain the Lab colour space. (8)

12. a. Discuss in detail about the various types of colour reproduction objectives with examples.

(or)

b. Write short notes on

- i) Screen angles (4 marks)
- ii) Image acquisition methods (8 marks)
- iii) Colour originals (4 marks).

13. a. Explain in detail about positive masking method with diagram.

(or)

b. What are the objectives of tone reproduction? Explain how Jones diagram helps to achieve tone reproduction.

14. a. With neat diagram, explain the optics of ink film.

(or)

b. Explain in detail about any six factors in press and pre-press that affects the colour reproduction.

15. a. Explain in detail about the three 'C's of colour management.

(or)

b. Discuss in detail about closed loop and open loop colour management techniques.