

Dr. Babasaheb Ambedkar Open University
Term End Examination July – 2026

Course	: BCA(DES)	Date	: 17-07-2026
Subject Code	: BCA(DES)-103	Time	: 11:30am to 01:45pm
Subject Name	: Printing & Resolution	Duration	: 02.15 Hours
		Max. Marks	: 70

Section A

Answer the following (Attempt any three) (30)

1. Narrate in great details about Ink Jet Printers.
2. Write a detailed note on Gravure printing.
3. Discuss high and low resolution image.
4. State what should be considered while determining the resolution for Images?
5. Explain Image Resolution in brief.

Section B

Answer the following (Attempt any four) (20)

1. Write a short note on Digital Photography.
2. Narrate in short about optimal output resolution.
3. What do you mean by Transaction Printing?
4. Compare and contrast PPI and DPI.
5. Explain in short about Laser Printers.
6. Discuss in brief about various file formats.

Section C

Part – A (Multiple Choice Questions) (10)

- 1 High-resolution images for photo-quality printing are saved in _____ format.
A RGB B CMYK
C Gray-scale D Indexed Color
- 2 Resolution is sometimes identified by _____.
A Width and Height of image B Colors in the image
C Total number of Pixels in image D Both A and C
- 3 1440 dpi is usually 1440x _____ dpi.
A 720 B 1440
C 360 D 2880
- 4 _____ format can act as a container for many different types of multimedia.
A GIF B JPEG
C QuickTime D PNG
- 5 Image resolution for images intended lithographic print is _____ PPI.
A 300 B 900-1200
C 500-900 D All of them
- 6 Flexography used for _____.
A Packaging B Newspapers
C Labels D All of them

- 7 _____ printer reproduces digital images by spraying tiny droplets of ink onto paper.
 A Laser B Inkjet
 C Dot Matrix D Thermal
- 8 _____ Process is managed by academic publishers to evaluate the quality of research papers.
 A Peer Review B Editorial Review
 C Proof Reading D Copy Editing
- 9 The _____ format produce only a selective gamut of the full spectrum of colors.
 A CMYK B RGB
 C Both A and B D Indexed Color
- 10 _____ printing process uses limestone plates and is suitable for flat, porous surfaces.
 A Screen B Lithography
 C Flexography D Offset

Part – B (Do as Directed)

(10)

- 1 Resolution and size of an image are in inverse proportion to each other. True / False
- 2 Each pixel can set to different color and brightness. True / False
- 3 PPI denote how many pixels are in each inch of your image at the current printing size. True / False
- 4 Vector graphics are resolution-dependent . True / False
- 5 Any picture or document can be turned into a digital format with a scanner. True / False
- 6 A CMYK tone contains 32 bits of information. True / False
- 7 Stock photography is the supply of photographs licensed for specific uses. True/False
- 8 Upsampling is the process of increasing an image's resolution without changing its dimensions. True / False
- 9 Liquid Ink printers are a type of thermal transfer printer. True / False
- 10 Screen printing is the process of using ink and mesh to create images. True / False
