



# BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.Sc.(CS)-Hons-2018/BCA-2019/BCA-2020

Course Name – Image Processing

Course Code - BCS503A/BCAD501B

( Semester V )

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

## Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Which of the following tool is used in tasks such as zooming, shrinking, rotating, etc.?
  - a) Filters
  - b) Sampling
  - c) Interpolation
  - d) None of the Mentioned
- (ii) Textured inner region of the object produces
  - a) Good boundary extraction(
  - b) Excellent Boundary deletion
  - c) Good Boundary deletion
  - d) Poor boundary Extraction
- (iii) Thresholding gives
  - a) Large Image
  - b) Gray Scale image
  - c) Color Image
  - d) Binary Image
- (iv) Intensity levels in 8-bit image are
  - a) 128
  - b) 255
  - c) 256
  - d) 512
- (v) The smallest discernible change in intensity level is called
  - a) Intensity Resolution
  - b) Contour
  - c) Saturation
  - d) Contrast
- (vi) 1024x 1024 image has a resolution of
  - a) 1048576
  - b) 1148576
  - c) 1248576
  - d) 1348576
- (vii) M x N image has a resolution of
  - a) M\*N
  - b) M/N
  - c) M-N
  - d) M+N
- (viii) Electromagnetic wave can be viewed
  - a) Sine wave
  - b) Cos Wave
  - c) Tangent Wave
  - d) None of these
- (ix) A continuous image is digitized at
  - a) Random Points
  - b) Vertex Points
  - c) Sampling Points
  - d) Contour Points
- (x) Among the following image processing techniques which is fast, precise and flexible

