



INDIAN SCHOOL AL WADI AL KABIR

Class: X

Department: Computer Science

Date:09-11-2023

**MCQS ON
COMPUTER VISION**

ARTIFICIAL INTELLIGENCE

1. Which vision includes object recognition and 3-D scene interpretation?

- a. High-level vision
- b. Low-level vision
- c. **Intermediate-level vision**
- d. All of these

2. Which of the following studies various techniques to classify patterns?

- a. **Pattern recognition**
- b. Image processing
- c. Photogrammetry
- d. Image recognition

3. Computer vision is divided into _____ basic categories.

- a. 1
- b. **3**
- c. 4
- d. 2

4. Which of the following is an application of computer vision?

- a. Robotics
- b. Medicine
- c. Security
- d. **All of these**

5. Low-level vision includes process images for feature extraction.

- a. No
- b. **Yes**
- c. Cannot say
- d. Can be yes or no

6. _____ means a picture element which is the smallest unit of information that makes up a picture.

- a. Vision
- b. **Pics**
- c. Pixel
- d. Piskel

7. Which of the following is not an image filter used in OpenCV?

- a. Bilateral filter
- b. Blue blur
- c. Build pyramid
- d. **Box filter**

8. Mach band effect is an optical illusion.

- a. FALSE
- b. **Can be true or false**
- c. Cannot say
- d. TRUE

9. Computer vision is concerned with modelling and replicating human vision using computer software and hardware.

- a. FALSE
- b. TRUE
- c. **Cannot say**
- d. Can be true or false

10. Computer vision is a discipline that studies how to reconstruct, interrupt and understand a 3-D scene from its _____.

- a. **3-D images**
- b. 1-D images
- c. 2-D images
- d. 4-D images

11. Which of the following is not an Image filter used in OpenCV?

- a. Pattern recognition
- b. Image processing
- c. Photogrammetry
- d. **Image recognition**

12. The input and output of image processing are:

- a. Depends on the input
- b. Signal and image
- c. Signal only
- d. **Image only**

13. What is Digital Image Processing?

- a) It's an application that alters digital videos
- b) **It's a software that allows altering digital pictures**
- c) It's a system that manipulates digital medias
- d) It's a machine that allows altering digital images

14. Among the following, functions that can be performed by digital image processing is?

- a) Fast image storage and retrieval
- b) Controlled viewing
- c) Image reformatting
- d) **All of the above**

15. Which of the following is an example of Digital Image Processing?

- a) Computer Graphics
- b) Pixels
- c) Camera Mechanism
- d) **All of the mentioned**

16. Which of the following image processing approaches is the fastest, most accurate, and flexible?

- a) Photographic
- b) Electronic
- c) **Digital**
- d) Optical

17. _____ determines the quality of a digital image.

- a) The discrete gray levels
- b) The number of samples
- c) **discrete gray levels & number of samples**
- d) None of the mentioned

18. Which of the following is the abbreviation of JPEG?

- a) **Joint Photographic Experts Group**
- b) Joint Photographs Expansion Group
- c) Joint Photographic Expanded Group
- d) Joint Photographic Expansion Group

19. What is the procedure done on a digital image to alter the values of its individual pixels known as?

- a) Geometric Spacial Transformation
- b) **Single Pixel Operation**
- c) Image Registration
- d) Neighborhood Operations

20. _____ is a commercial use of Image Subtraction.

- a) MRI scan
- b) CT scan
- c) **Mask mode radiography**
- d) None of the Mentioned

21. Which of the following is the primary objective of sharpening of an image?

- a) Decrease the brightness of the image
- b) Increase the brightness of the image
- c) **Highlight fine details in the image**
- d) Blurring the image

22. _____ enhance Image Differentiation?

- a) Pixel Density
- b) Contours
- c) Edges
- d) None of the mentioned

23. Computer vision is a discipline that studies how to reconstruct, interrupt and understand a 3d scene from its _____.

- a. 1d images
- b. 2d images
- c. 3d images
- d 4d images

24. The input and output of image processing are?

- a. signal and image
- b. signal only
- c. image only
- d. depends on input

25. Which of the following is an Applications of Computer Vision?

- a. Robotics
- b. Medicine
- c. Security
- d. All of the above

26. Which of the following is not an Image filters used in OpenCV?

- a. Box Filter
- b. Bilateral Filter
- c. Blue Blur
- d. Build Pyramid

27. The primary output device in a graphical system is the _____.

- a. image monitor
- b. video monitor
- c. graph monitor
- d. scale monitor

28. Graphics can be ?

- a. Simulation
- b. Drawing
- c. Movies, photographs
- d. All of the above

29. Weather Maps is an Application of Computer Graphics.

- a. TRUE
- b. FALSE
- c. Can be true or false
- d. Cannot say

30. The data can be in the form of?

- a. text
- b. graphics
- c. sound
- d. All of the above