

MCQ 1

Question: Which pre-trained models are mentioned in the scenario based question of Chapter 4?

- A) Resnet18, Alexnet, VGG
- B) Resnet50, Alexnet, VGG
- C) Resnet50, Alexnet18, VGG
- D) Resnet50, Alexnet, VGG16

Correct Answer: D) Resnet50, Alexnet, VGG16

MCQ 2

Question: What is the primary mechanism for dimension reduction in the Inception model?

- A) Convolutional layers
- B) Max pooling
- C) Average pooling
- D) Factorization of convolutions

Correct Answer: D) Factorization of convolutions

MCQ 3

Question: Which of the following is not a key difference between normal image classification and fine-grained image recognition?

- A) Number of classes
- B) Level of detail
- C) Type of data required
- D) Training time

Correct Answer: A) Number of classes

MCQ 4

Question: What is the image reidentification problem in computer vision about?

- A) Recognizing an object in an image
- B) Recognizing a scene in an image
- C) Recognizing a specific instance of an object across different images
- D) Recognizing the pose of an object in an image

Correct Answer: C) Recognizing a specific instance of an object across different images

MCQ 5

Question: Which of the following is not a type of image segmentation?

- A) Instance segmentation
- B) Semantic segmentation
- C) Object detection
- D) Panoptic segmentation

Correct Answer: C) Object detection

MCQ 6

Question: Which of the following is not a scenario based question in Chapter 7?

- A) A question about PPnet
- B) A question about Unet
- C) A question about FPN
- D) A question about Segnet

Correct Answer: D) A question about Segnet

MCQ 7

Question: What is the primary purpose of bilinear interpolation in image processing?

- A) To reduce the size of an image

- B) To increase the size of an image
- C) To change the color space of an image
- D) To enhance the edges of an image

Correct Answer: B) To increase the size of an image

MCQ 8

Question: Which of the following clustering methods is not related to Chapter 5?

- A) Single linkage clustering
- B) Complete linkage clustering
- C) Hierarchical clustering
- D) K-means clustering

Correct Answer: D) K-means clustering

MCQ 9

Question: What is the main concept of scene parsing?

- A) Parsing the semantic meaning of a scene
- B) Parsing the syntactic structure of a scene
- C) Parsing the optical flow of a scene
- D) Parsing the depth of a scene

Correct Answer: A) Parsing the semantic meaning of a scene

MCQ 10

Question: Which of the following is not a concept related to action recognition, action classification, and action localization?

- A) Temporal segmentation
- B) Spatial segmentation

C) Object tracking

D) Motion estimation

Correct Answer: C) Object tracking