

Worksheet

1

Name:

Roll No: Class: Section:

Date:

COMPUTER VISION

Chapter-5

1. Choose the correct option.

- (a) means giving the ability to the computer to see the world just like humans.
- | | | | |
|---------------------|--------------------------|------------------------------|--------------------------|
| (i) Computer Vision | ☐ | (ii) Artificial Intelligence | ☐ |
| (iii) Human Vision | ☐ | (iv) All of these | ☐ |
- (b) Which of the following is not an example of Computer Vision?
- | | | | |
|----------------------------|--------------------------|-------------------|--------------------------|
| (i) Facial Recognition | ☐ | (ii) Face Filters | ☐ |
| (iii) Surveillance Cameras | ☐ | (iv) Siri | ☐ |
- (c) Which of the following is the process of finding out the class/category of the input image?
- | | | | |
|----------------------|--------------------------|----------------------------|--------------------------|
| (i) Object Detection | ☐ | (ii) Localisation | ☐ |
| (iii) Classification | ☐ | (iv) Instance Segmentation | ☐ |
- (d) Which of the following is the smallest unit of information in a digital image?
- | | | | |
|-------------------------|--------------------------|--------------------|--------------------------|
| (i) Pixel | ☐ | (ii) Megapixel | ☐ |
| (iii) Both (i) and (ii) | ☐ | (iv) None of these | ☐ |

2. Define the following:

- (a) Instance Segmentation

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- (b) OpenCV

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- (c) imread() Function

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