**CNN MCQs**

1. CNN stands for …..
2. Cable News Network
3. Current Neural Network
4. **Convolutional Neural Network**
5. None of the above
6. Which layer type is typically used to extract local features in a CNN?
7. **Convolutional layer**
8. Pooling layer
9. Fully connected layer
10. Activation layer
11. What is the purpose of the pooling layer in a CNN?
12. **To reduce the spatial dimensions of the feature maps**
13. To introduce non-linearity to the network
14. To adjust the weights and biases of the network
15. To compute the gradients for backpropagation
16. What is the purpose of the stride parameter in a convolutional layer?
17. To determine the size of the receptive field
18. **To control the step size of the convolution operation**
19. To adjust the learning rate during training
20. None of the above
21. What is the purpose of the padding parameter in a convolutional layer?
22. To adjust the learning rate during training
23. **To prevent the reduction of spatial dimensions**
24. To regularize the network and prevent overfitting
25. None of the above
26. If flatten is applied to a layer having input shape as (3, 3) the output shape of the layer will be ….
27. 6
28. **9**
29. (3, 3)
30. None of the above
31. Calculate the feature map size if the input image size is 5×5, filter size is 3×3 with valid-padding and stride = 1
32. **3×3**
33. 5×5
34. 8x8
35. None of the above
36. To take a lot of information from the edges, we use ….
37. Valid padding
38. **Same padding**
39. Filter with big size
40. Filter with small size
41. What is the purpose of data augmentation in CNN training?
42. To increase the number of layers in the network
43. **To introduce noise and variations in the training data**
44. To adjust the learning rate during training
45. None of the above
46. ReLU activation function change the size of feature map like previous one
47. True
48. **False**
49. CNNs can automatically learn relevant features from raw input data
50. **True**
51. False
52. Softmax activation function only used for binary classification
53. True
54. **False**
55. Softmax is used in the last layer of a CNN to output a probability distribution over the possible classes.
56. **True**
57. Flase
58. CNN is a type of feed-forward neural network
59. **True**
60. False
61. CNN can be used in NLP
62. **True**
63. False