# A00-405<sup>Q&As</sup>

SAS Viya 3.5 Natural Language Processing and Computer Vision

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**QUESTION 1**

Which activation function should be used to obtain a single scalar with value in (-1,1)9

A. TanH

B. Logistic

C. Softmax

D. ReLU

Correct Answer: A

**QUESTION 2**

Given the code to add a concatenation layer:

```
AddLayer/model='ExampleModel'
        name='concat1'
        layer={type='concat'}
        srcLayers=("A", "B", "C");
```

Assume the output dimensions (width*depth):

source layer A 100*100*5 source layer B 100*100*5 source layer C 100*100*3

What is the correct dimension of the output of this concatenation layer?

A. 100\\'100\\'13

B. 300\\'300\\'5

C. 100\\'100\\'18

D. 300\\'300\\'13

Correct Answer: C

**QUESTION 3**

Given an equivalent number of neurons why would you use an LSTM-based recurrent neural network over a conventional recurrent neural network?

A. Implementation advantages - easier lo parallelize

B. Size - uses (ewer parameters

C. Efficiency-requires fewer computations

D. Sequence memory - learns data dependencies spanning more sequence elements

Correct Answer: B

## QUESTION 4

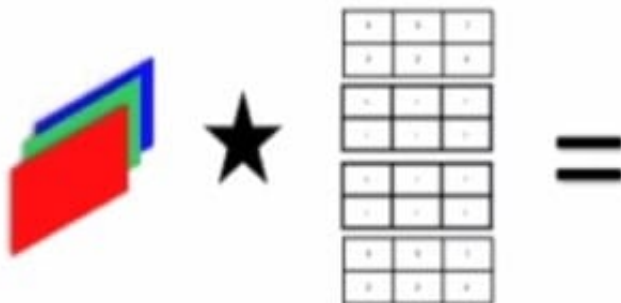How many channels does a BGR image contain?

Enter your numeric answer in the space above

A. 3

Correct Answer: A

## QUESTION 5

Refer to the exhibit.



How many output feature maps would be created by a convolutional layer with four filters applied to a three channel input?

Enter your numeric answer in the space above.

A. 12

Correct Answer: A

**QUESTION 6**

Which statements are TRUE about importing SAS Contextual Analysis projects into SAS Visual Text Analytics when creating a new project? (Choose two)

A. All custom concept and some predefined concept settings are imported

B. All machine generated topics and sentiment scores are imported

C. All custom categories are imported

D. All sentiment classification and probability scores are imported

Correct Answer: BC

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**QUESTION 7**

Which option is incorporated in the dlTune action?

A. Bayesian Optimization

B. Hyperband Method

C. Genetic Algorithm

D. Simple Random Sampling

Correct Answer: C

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**QUESTION 8**

Consider the category rule:

```
(OR,"[INCURSION]")
```

Which statement is TRUE about a document that satisfies this rule?

A. It exhibits the topic named INCURSION

B. It exhibits one or more of the items used to define the INCURSION concept

C. It contains the term "incursion" or any of the stemmed versions of "incursion \\'

D. It satisfies a previously defined INCURSION category rule but overrides the primary Boolean operator in the original rule with the OR operator

Correct Answer: D

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**QUESTION 9**

Regularization in neural networks represents a set of techniques devised to accomplish what?

A. Reduce overfitting

B. Downsample a feature map

C. Minimize the toss function

D. Calculate a softmax

Correct Answer: C


**QUESTION 10**

Which action set is needed to upload a picture into memory using SAS?

A. LoadActionSet

B. Image

C. DeepLearn

D. Table

Correct Answer: C