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#1 Online Certification Guide

IBM S1000-014

**IBM Maximo Visual Inspection Developer Specialty Certification
Questions & Answers**

Exam Summary – Syllabus –Questions

S1000-014
IBM Maximo Visual Inspection v8.3 Developer Specialty
41 Questions Exam – 68% Cut Score – Duration of 75 minutes

Table of Contents:

Know Your S1000-014 Certification Well:

The S1000-014 is best suitable for candidates who want to gain knowledge in the IBM Business Operations - Asset Management. Before you start your S1000-014 preparation you may struggle to get all the crucial Maximo Visual Inspection Developer Specialty materials like S1000-014 syllabus, sample questions, study guide.

But don't worry the S1000-014 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-
- What is in the S1000-014 syllabus?
- How many questions are there in the S1000-014 exam?
- Which Practice test would help me to pass the S1000-014 exam at the first attempt?

Passing the S1000-014 exam makes you IBM Maximo Visual Inspection v8.3 Developer Specialty. Having the Maximo Visual Inspection Developer Specialty certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

IBM S1000-014 Maximo Visual Inspection Developer Specialty Certification Details:

Exam Name	IBM Maximo Visual Inspection v8.3 Developer Specialty
Exam Code	S1000-014
Exam Price	$100 (USD)
Duration	75 mins
Number of Questions	41
Passing Score	68%
Books / Training	**IBM Maximo Visual Inspection solution overview** **Getting started with Maximo Visual Inspection v2** **IBM Developer Series: Getting started with IBM Maximo Visual Inspection**
Schedule Exam	**Pearson VUE**
Sample Questions	**IBM Maximo Visual Inspection Developer Specialty Sample Questions**
Practice Exam	**IBM S1000-014 Certification Practice Exam**

S1000-014 Syllabus:

Topic	Details	Weights
Maximo Visual Inspection Use Cases	- Identify how computer vision can solve a business problem	7%
Data Acquisition	- Identify functional and technical data collection and preparation requirements - Streamline data acquisition with auto capture	10%
Manage Data Sets	- Import Data - Export Data - Manage data within Maximo Visual Inspection	10%
Prepare Data	- Choose appropriate data annotation strategy - Improve model by data augmentation capabilities - Modify labeling strategy to improve model performance - Accelerate labeling by using auto labeling	15%
Train & Validate Models	- Determine which algorithm to use for the problem - Customize training parameters - Analyze the model training metrics - Validate and evaluate models within Maximo Visual Inspection - Troubleshoot model training issues	22%
Deploy Model	- Explain the strategies for model deployment - Export a trained model - Create the run time architecture - Monitor and improve model performance - Utilize Maximo Visual Inspection APIs to automate functions	12%
Work with Maximo Visual Inspection Mobile and Maximo Visual Inspection Edge	- Explain MVI Edge and MVI Mobile capabilities - Configure the MVI Mobile application - Configure the MVI Edge application - Create inspection - Setup the inspection for data collection - Configure inspection rules - Create multistep inspections - Define inspection triggers - Configure the dashboard	22%
Integration with Maximo Suite Applications	- Integrating MVI with Maximo Monitor	2%

IBM S1000-014 Sample Questions:
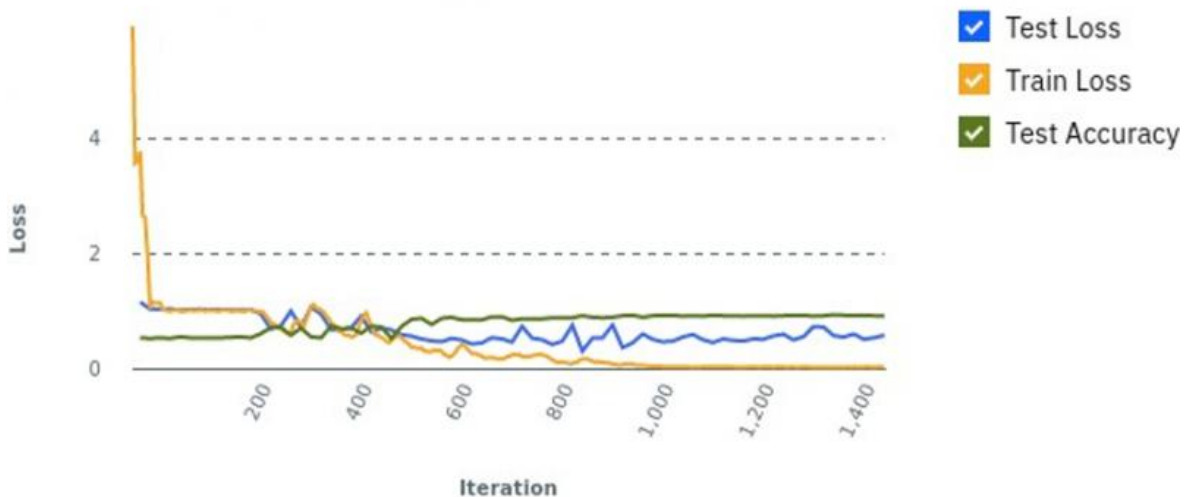
Question: 1

A builder needs to ensure that everyone is using the protection equipment when required. How can computer vision assist in validating that the rules are being followed?

a) A classification model can be used to identify people in dangerous areas and signal for them to move out.
b) Use a classification model to inspect the rack with hard hats and monitor their removal for usage in the field.
c) A sonar-based device can be used to sense the protection equipment, and translate into images for processing.
d) An object detection model can be trained to identify the safety equipment, such as hard hats, goggles and vests, and trigger alerts when a person is spotted without one of the items in dangerous areas.

Answer: d

Question: 2

What is a possible cause of the behavior observed in the model as shown in the chart below?

a) Test loss is much higher than train loss, therefore the model is overfitting.
b) Test accuracy is close to 100%, therefore the model is performing at its best.
c) Test loss is lower than accuracy, indicating that the model is able to perform well with unseen data.
d) The number of epochs used in the training were not enough to lower the test loss.

Answer: a

Question: 3

What are three of the metrics available in the Maximo Visual Inspection Mobile Dashboard for post inspection analysis?

    a) # of Frames Analyzed
    b) # of Collected Photos
    c) # of Triggered Inspections
    d) % of Fail Rate for Inspection
    e) % of Pass Rate for Inspection
    f) # of Labels for a Given Model

Answer: b, d, e

Question: 4

After training a Maximo Visual Inspection model for action detection, which metric is available in the model details?

    a) Precision
    b) PR Curve Plot
    c) Loss Vs Iteration
    d) Mean Average Precision (mAP)

Answer: a

Question: 5

When an image is collected using the Collection Mode, what is the value in the PhotoType field in the metadata information?

    a) Training
    b) Collecting
    c) Inspection
    d) Capturing

Answer: a

Question: 6

What does the red area on a heat map of an image classification inference result indicate?

    a) area of the picture that is not clear
    b) area of the picture that is redundant
    c) area of the picture that is of low relevance
    d) area of the picture that is of high relevance

Answer: d

Question: 7

An IBM client wants to use Maximo Visual Inspection Mobile to execute real time inspections at their plants. The production line supervisor will perform an inspection prior to packaging. For the given scenario, which mode must be configured on the device?

    a) Mounted mode
    b) Handheld mode
    c) Supervisor mode
    d) Auto-Capture Mode

Answer: b

Question: 8

When are Trigger Strings used?

    a) only in Demo mode on a handheld device
    b) only in Supervisor mode on a mounted device
    c) only in Auto-Capture mode on a mounted device
    d) only in Multi-Inspection mode on a handheld device

Answer: c

Question: 9

Which three image formats are supported in Maximo Visual Inspection?

    a) SVG
    b) PNG
    c) JPEG
    d) DICOM
    e) TIFF
    f) BMP

Answer: b, c, d

Question: 10

Which feature is available within Maximo Visual Inspection Edge and Maximo Visual Inspection Mobile application?

    a) GPUs to run local inspection.
    b) Built-in MQTT broker for notifications.
    c) AI model training.
    d) Sending inference results to a secondary inspection, also known as pipelining.

Answer: d

Study Guide to Crack IBM Maximo Visual Inspection Developer Specialty S1000-014 Exam:

- Getting details of the S1000-014 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the S1000-014 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the IBM provided training for S1000-014 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the S1000-014 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on S1000-014 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for S1000-014 Certification

Make EduSum.com your best friend during your IBM Maximo Visual Inspection v8.3 Developer Specialty exam preparation. We provide authentic practice tests for the S1000-014 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual S1000-014 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the S1000-014 exam.

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