# Final Exam: Advanced Image Processing

Q1: What is 3D rendering?

Answer. 3D rendering is the process of turning information from a 3D model into a 2D image. 3D rendering can be used to create a variety of images, from the intentionally non-realistic to what's called photorealistic.

Q2: Write steps to perform 3D rendering?

Answer.

Step 1: Understanding the client's vision. In order to build a model, a  3D artist needs to understand the project. ...

Step 2: 3D modeling. ...

Step 3: Materials and Texturing. ...

Step 4: Lighting. ...

Step 5: Rendering. ...

Step 7: Final Delivery


Q3: How to do a color match in GIMP. Mention the steps.

Answer. Click on the layer in the Layers panel that has the image containing the color you want to match. Click on the color in the image using the "Color Picker" tool. The color in the Background Color box on the Toolbox changes to match the color you have selected.

Q4: What are filters in GIMP?

Answer. Filters are one of the most used features for photo editing. It is a unique tool that takes an input layer or image, applies a mathematical algorithm to it, and provides a layer or image in a modified format. GIMP has various Filters such as Blur, enhance, distorts, light and Shadow, etc.

Q5: How to apply blur filter on an image using GIMP? Mention the steps.

Answer. Click "Filters" from the menu bar, hover the cursor over "Blur," and then select the type of blur that you want to apply from the list of options.

Q6: What is HDR toning?

Answer. The HDR Toning command lets you apply the full range of HDR contrast and exposure settings to individual images. ... HDR toning requires flattened layers. Open a 32-, 16-, or 8-bit image in RGB or Grayscale color mode. Choose Image > Adjustments > HDR Toning.

Q7: How to create a video timeline?

Answer.

1. Create a new document.
2. Specify the Set Timeline Frame Rate in the panel menu.
3. Add a layer.
4. Add content to the layer.
5. (Optional) Add a layer mask.
6. Move the current time indicator to the time or frame where you want to set the first keyframe.

7. Turn on keyframing for a layer property.

8. Move the current time indicator and change a layer property.

9. Add additional layers with content and edit their layer properties as needed.

10. Move or trim the layer duration bar to specify when a layer appears in an animation.

11. Preview the animation.

12. Save the animation.

## Q8: What are scripts in photoshop?

Answer. A script is a series of commands that tells Photoshop to perform one or more tasks. Photoshop CS4 supports scripts written in AppleScript, JavaScript or VBScript. Sample scripts are included in the Photoshop CS4 installer and get installed with the product.

## Q9: What is batch processing in photoshop?

Answer. The Batch feature in Photoshop CS6 enables you to apply an action to a group of files. ... Batch processing can automate tedious chores for you. To try this useful tool, copy some files (at least five or six) to a new folder and follow these steps: Make sure that all the files are in a single folder of their own.

## Q10: What are Droplets?

Answer. Droplets are drag-and-drop mini-applications — essentially applets — in macro form that can exist outside Photoshop Creative Suite 6 on your desktop, on your taskbar,

or within a folder. They're always available, so you can apply them to any image files you want. Think of them as batches waiting to happen.

Q11: What is contact sheet II?

Answer. Typically, a contact sheet was a positive print of the total negatives from a roll of film or a shoot, and often each image the same size as the negative itself. The purpose of a contact sheet is to be able to quickly scan a series of images to find the keepers or the ones chosen to be enlarged.

Q12: Mention the steps to create a contact sheet II?

Answer.
Put all of the images you want on the contact sheet in one folder on your    computer.
In Photoshop, go to File > Automate > Contact Sheet II.
In the Source Images section of the Contact Sheet II dialog box, choose the folder that contains your images.

Q13: What are pre-defined scripts in photoshop?

Answer.
A script is a series of commands that tells Photoshop to perform one or more tasks. Photoshop CS3 supports scripts written in AppleScript, JavaScript or VBScript. Sample scripts are included in the Photoshop CS3 installer and get installed with the product.

Q14: What is file information in photoshop?

Answer. The File Info dialog box displays information about file like extension, size and many more.

View or add file information

With an image open, choose File > File Info. (You can also right-click a thumbnail in the Photo Bin and choose File Info.)
Click the Description tab on the top of the dialog box to display specific information.


Q15: Mention the steps to add file information in photoshop?

Answer.
Step 1: Open an image in Photoshop. ...
Step 2: Open the File Info dialog box. ...
Step 3: Load your template. ...
Step 4: Choose an Import option. ...
Step 5: Add any image-specific information. ...
Step 6: Click OK