CHANDIGARH UNIVERSITY
UNIVERSITY INSTITUTE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Submitted by: Yash Gupta 20BCS5009	**Submitted To:**
Subject Name:	MMT
Subject Code:	20CSP-317
Branch:	CSE
Semester:	5th

LAB INDEX

Sr. No	Program	Date	Evaluation				Sign
			LW (12)	VV (8)	FW (10)	Total (30)	
1.							
2.							
3.							
4.							
5.							

Experiment 2.4

Student Name: Yash Gupta **UID: 20BCS5009**
Branch: BE-CSE **Section/Group: 20BCS-MM-806 A**
Semester: 5 **Date of Performance: 06-10-2022**
Subject Name: MMT LAB **Subject Code:**

Aim :- Convert the given image to a pencil sketch using Adobe photopea.
Hardware Requirements: - Minimum 384MB RAM, 100 GB hard Disk, processor with 2.1 MHz
Software Requirements: - Adobe Photoshop, Photopea

Tools to be used: Type Tool, Rectangle select(M), Lasso select.

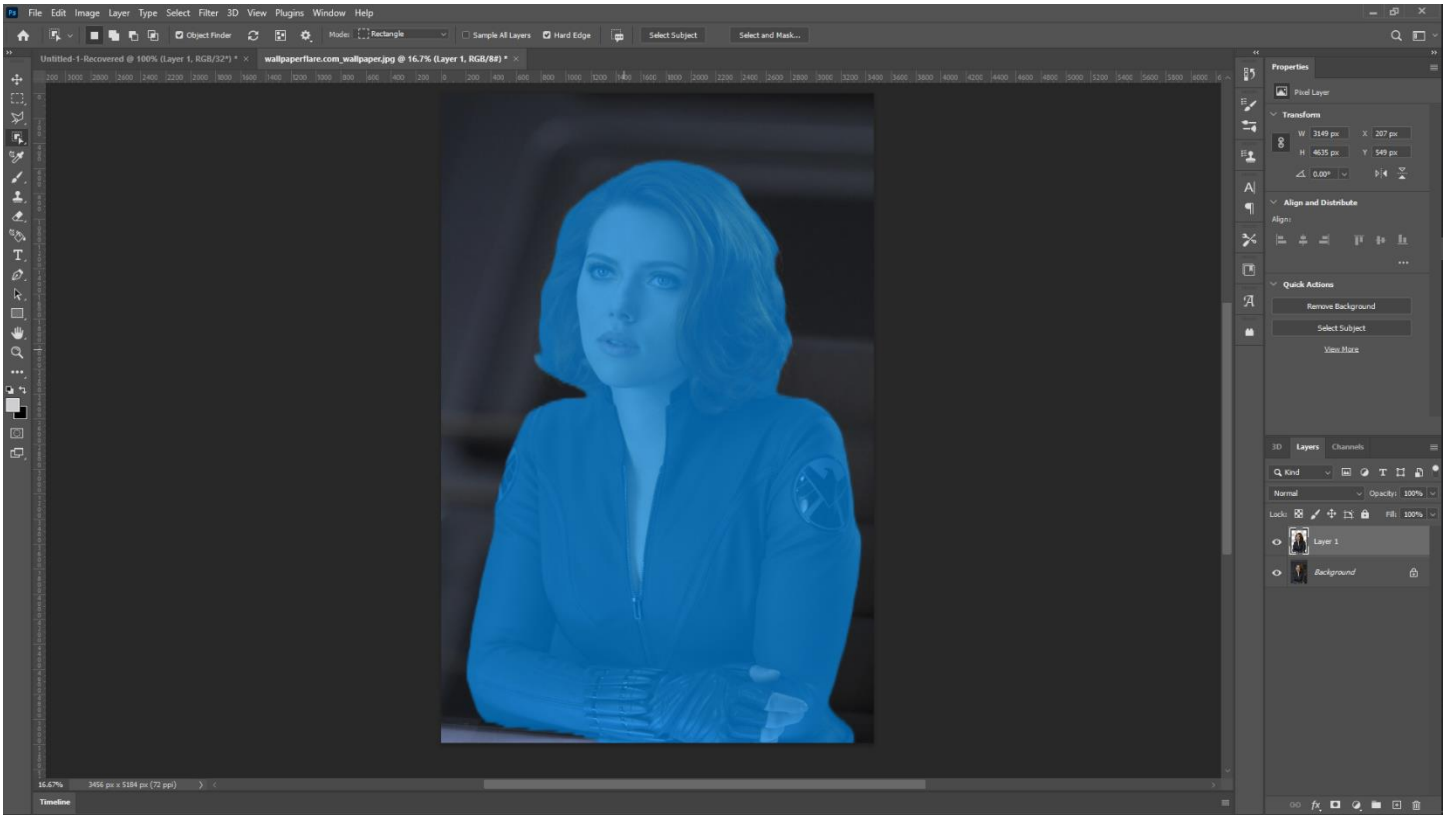
Study:

2.1Procedure to remove text from given image.

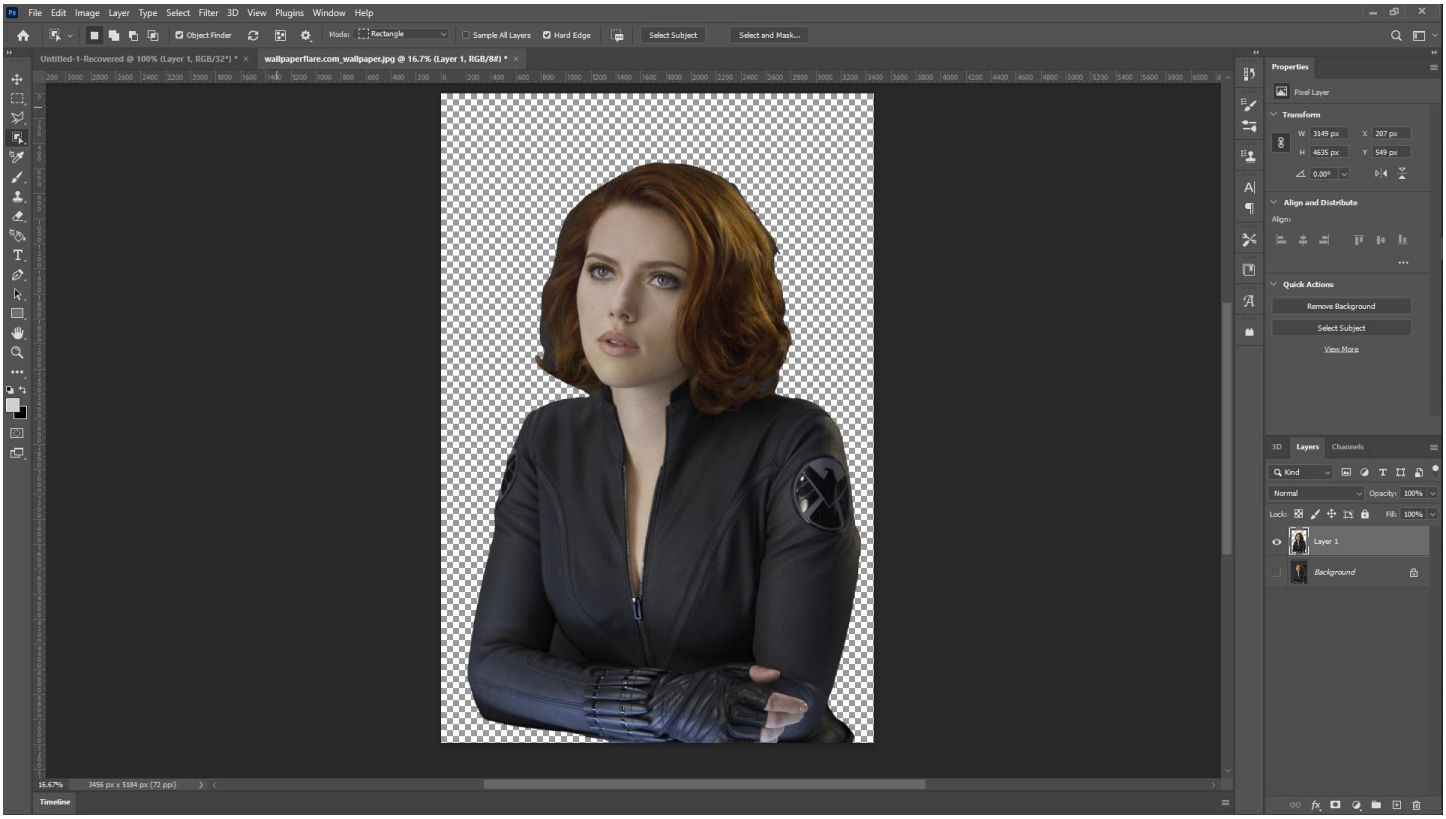
Steps :-

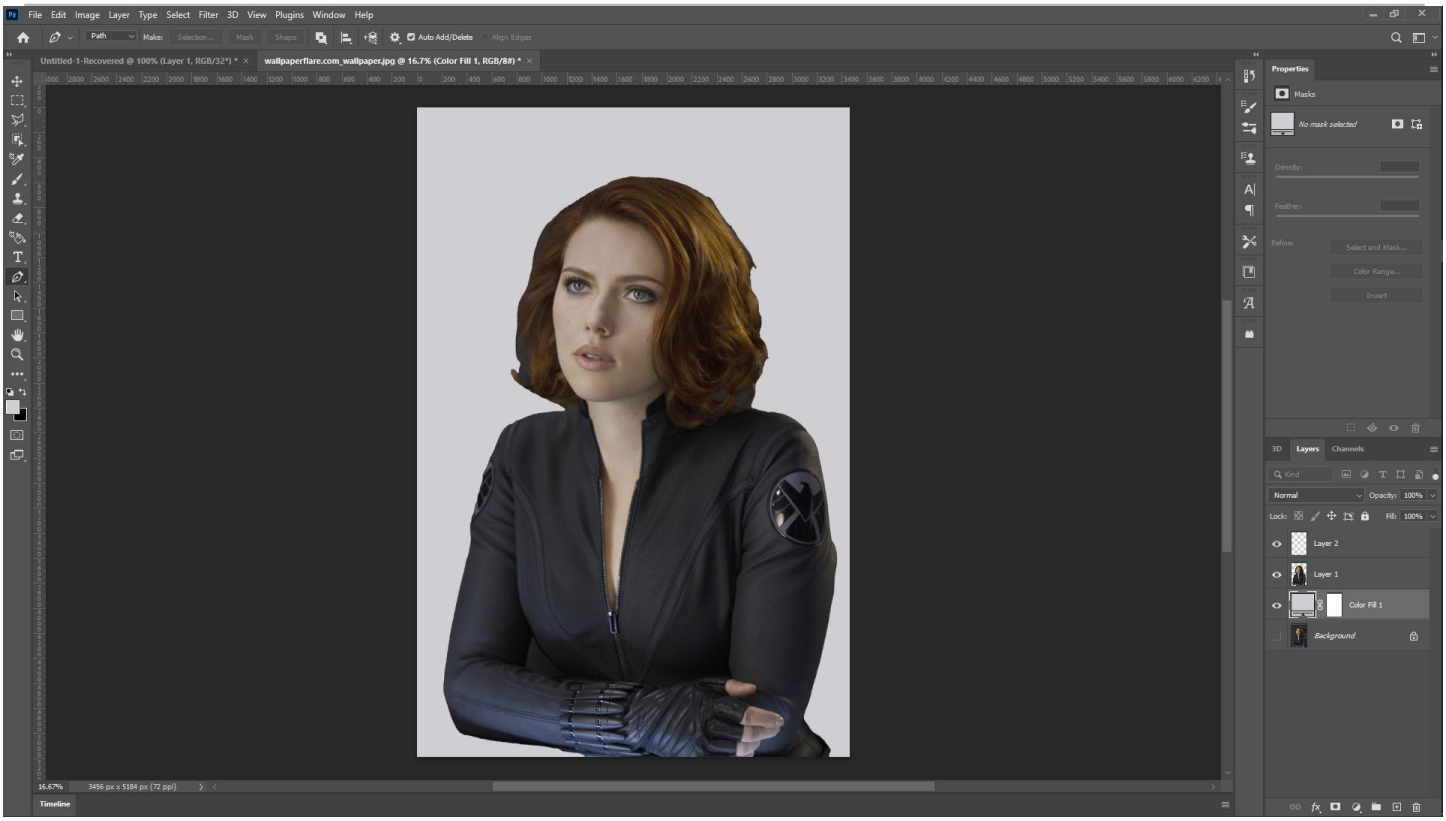
1. Open Photopea and Import your Image.
2. Remove Background and add a white background.
3. Add Hue and Saturation Adjustment Layer and desaturate
4. Add Invert to the Image.
5. Change the Image Blend Mode to Color Dodge.
6. Add Gaussian Blur to make the image to pencil drawing.
7. Add curves to enhance the image.

Step 1 :- Open Photopea and Import your Image

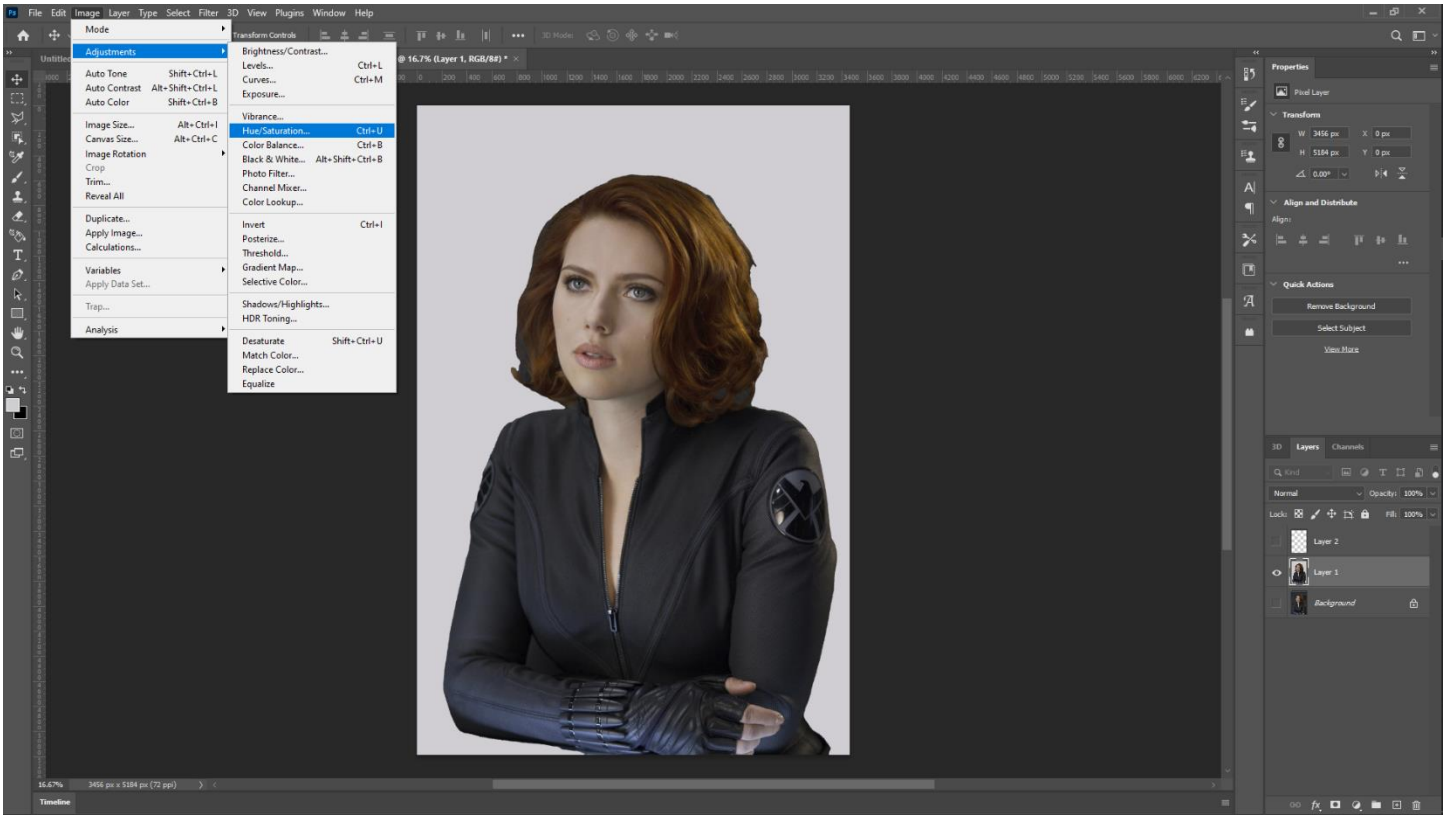


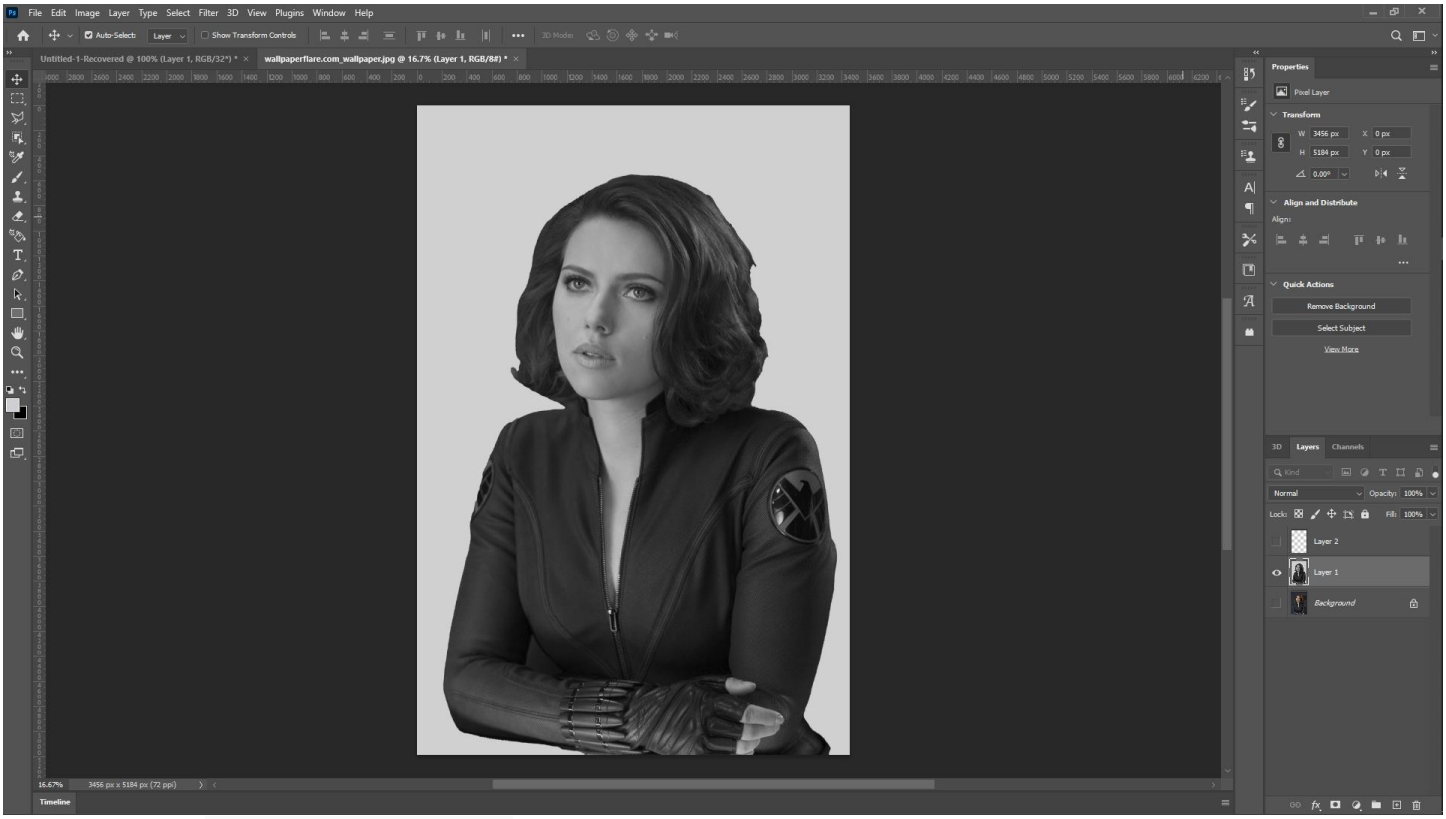
Step 2 :- Remove Background and add a white background
Use Pen Tool or Magic cut


File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
Layers
Channels
Layer 1
Background
Timeline



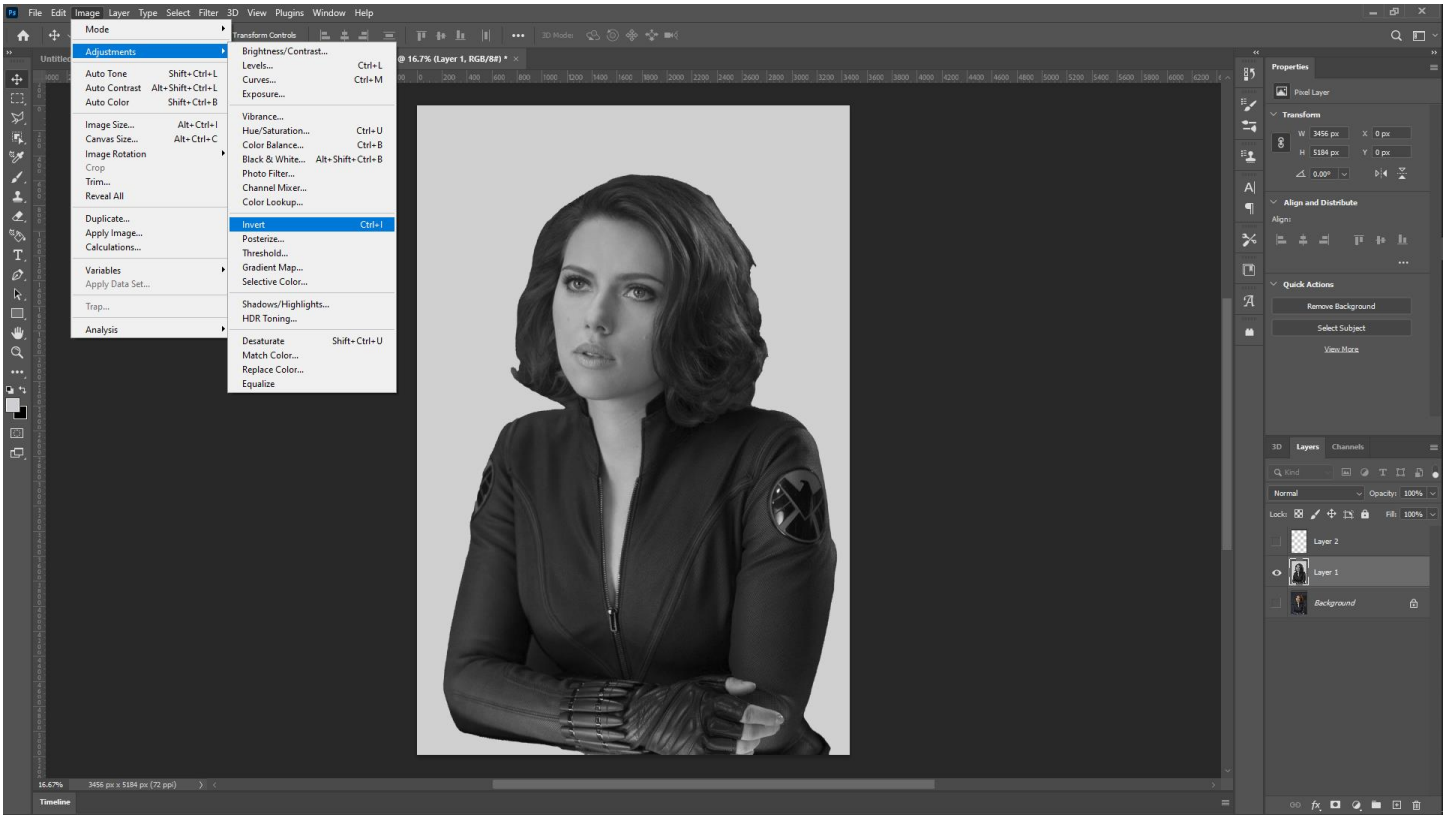
Step3:- Add Hue and Saturation Adjustment Layer and desaturate
Make the saturation value to -100 to remove the colors.

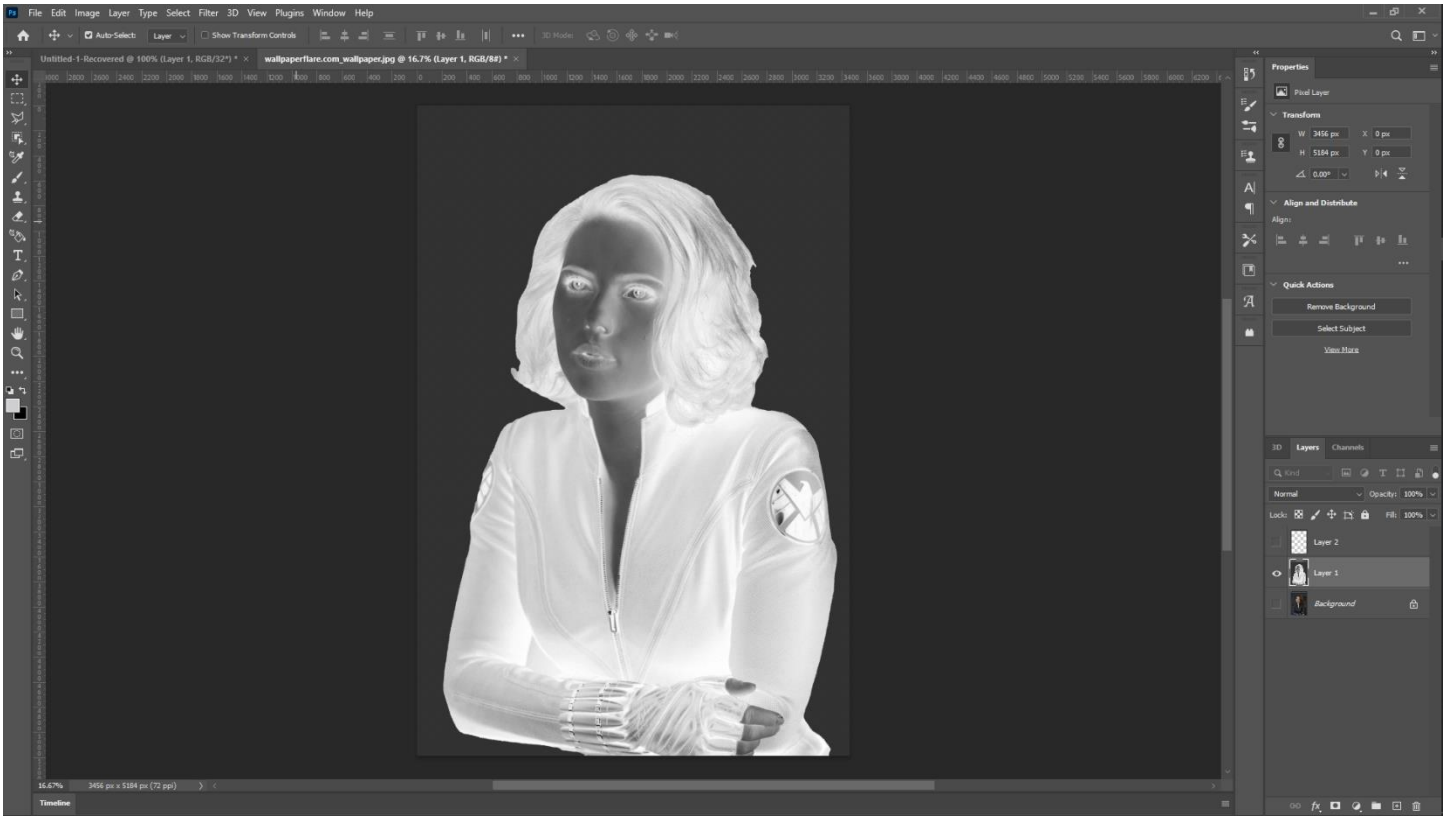

File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Mode
Adjustments
Auto Tone Shift+Ctrl+L
Auto Contrast Alt+Shift+Ctrl+L
Auto Color Shift+Ctrl+B
Image Size... Alt+Ctrl+I
Canvas Size... Alt+Ctrl+C
Image Rotation
Crop
Trim...
Reveal All
Duplicate...
Apply Image...
Calculations...
Variables
Apply Data Set...
Trap...
Analysis
Brightness/Contrast...
Levels... Ctrl+L
Curves... Ctrl+M
Exposure...
Vibrance...
Hue/Saturation... Ctrl+U
Color Balance... Ctrl+B
Black & White... Alt+Shift+Ctrl+B
Photo Filter...
Channel Mixer...
Color Lookup...
Invert Ctrl+I
Posterize...
Threshold...
Gradient Map...
Selective Color...
Shadows/Highlights...
HDR Toning...
Desaturate Shift+Ctrl+U
Match Color...
Replace Color...
Equalize
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
Layers
Channels
Layer 2
Layer 1
Background
Timeline



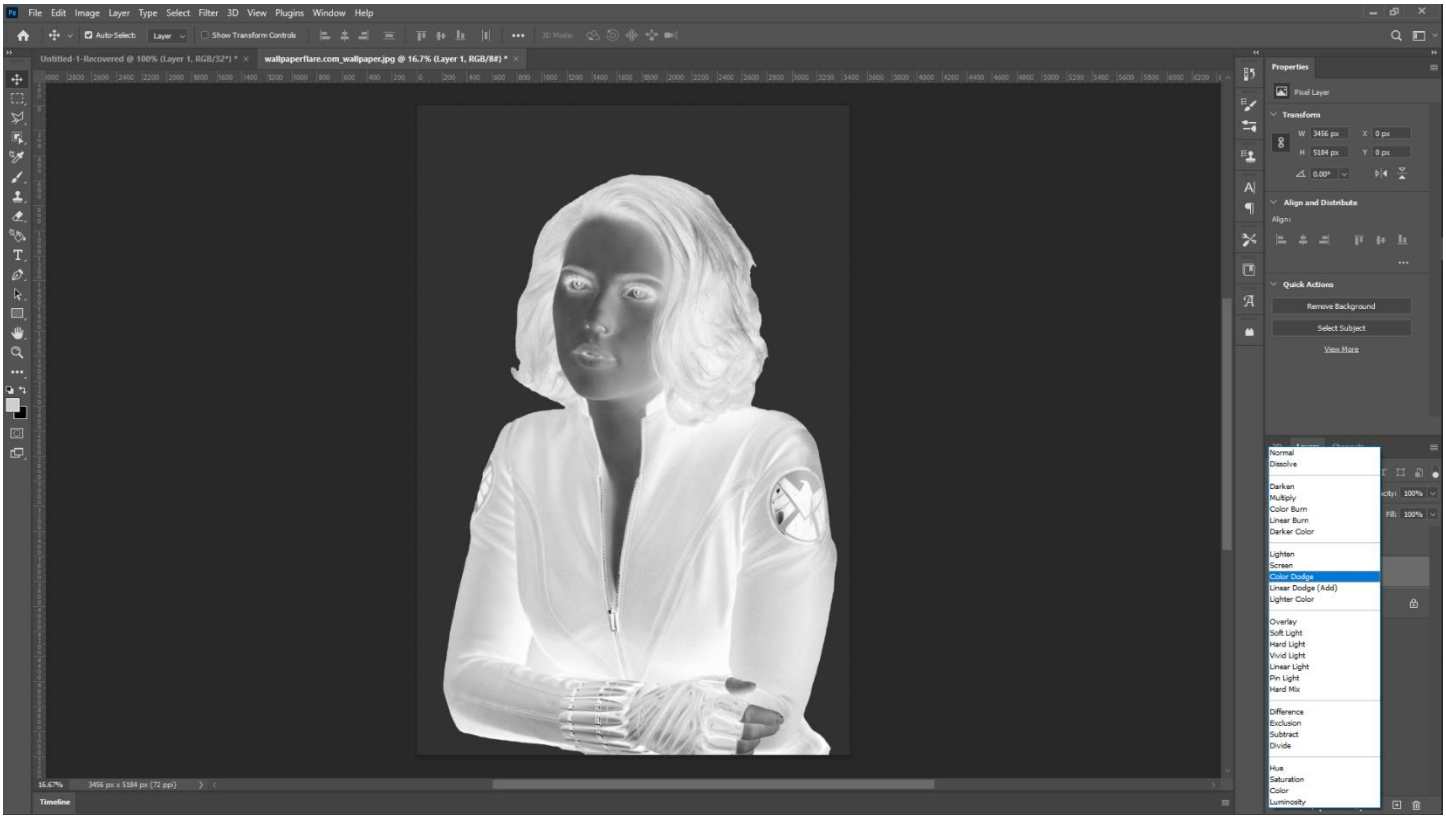
Step4:- Add Invert to the Image

Select the image copy Layer and goto Image > Adjustment > Invert


File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Mode
Adjustments
Auto Tone Shift+Ctrl+L
Auto Contrast Alt+Shift+Ctrl+L
Auto Color Shift+Ctrl+B
Image Size... Alt+Ctrl+I
Canvas Size... Alt+Ctrl+C
Image Rotation
Crop
Trim...
Reveal All
Duplicate...
Apply Image...
Calculations...
Variables
Apply Data Set...
Trap...
Analysis
Brightness/Contrast...
Levels... Ctrl+L
Curves... Ctrl+M
Exposure...
Vibrance...
Hue/Saturation... Ctrl+U
Color Balance... Ctrl+B
Black & White... Alt+Shift+Ctrl+B
Photo Filter...
Channel Mixer...
Color Lookup...
Invert Ctrl+I
Posterize...
Threshold...
Gradient Map...
Selective Color...
Shadows/Highlights...
HDR Toning...
Desaturate Shift+Ctrl+U
Match Color...
Replace Color...
Equalize
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
Layers
Channels
Layer 2
Layer 1
Background
Timeline



Step5:- Change this layer's Blending mode to Color Dodge.


File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
View More
Normal
Dissolve
Darken
Multiply
Color Burn
Linear Burn
Darker Color
Lighten
Screen
Color Dodge
Linear Dodge (Add)
Lighter Color
Overlay
Soft Light
Hard Light
Vivid Light
Linear Light
Pin Light
Hard Mix
Difference
Exclusion
Subtract
Divide
Hue
Saturation
Color
Luminosity
Timeline

Q2.

Aim :- Procedure to remove the arrows and text from the given photographic image using Adobe photoshop.
Hardware Requirements: - Minimum 384MB RAM, 100 GB hard Disk, processor with 2.1 MHz

Software Requirements: - Adobe Photoshop, Photopea

Tools to be used: Type Tool, Rectangle select(M), Lasso select.

2.1. Procedure to remove object from given image.

Step 1 :- Create the new project and set the dimensions according to the requirement.

Step 2: - Now you have to select the layer1 image for the removing object from the given photographic image . You can take images through various methods.

1. If the image is in your system, then you can take it from FILE ---> Open and place.

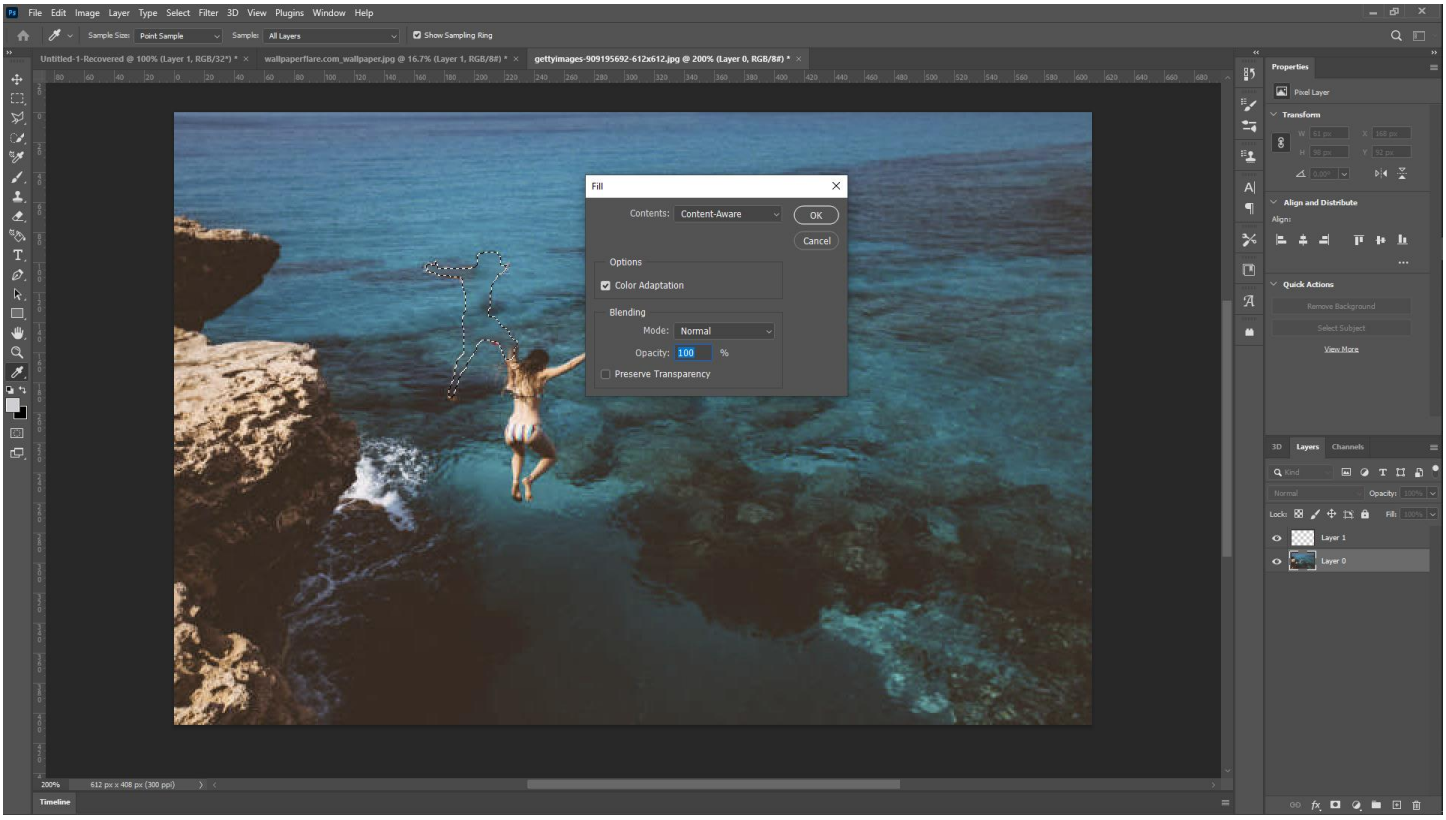
2. You can copy the image and paste it on the template.

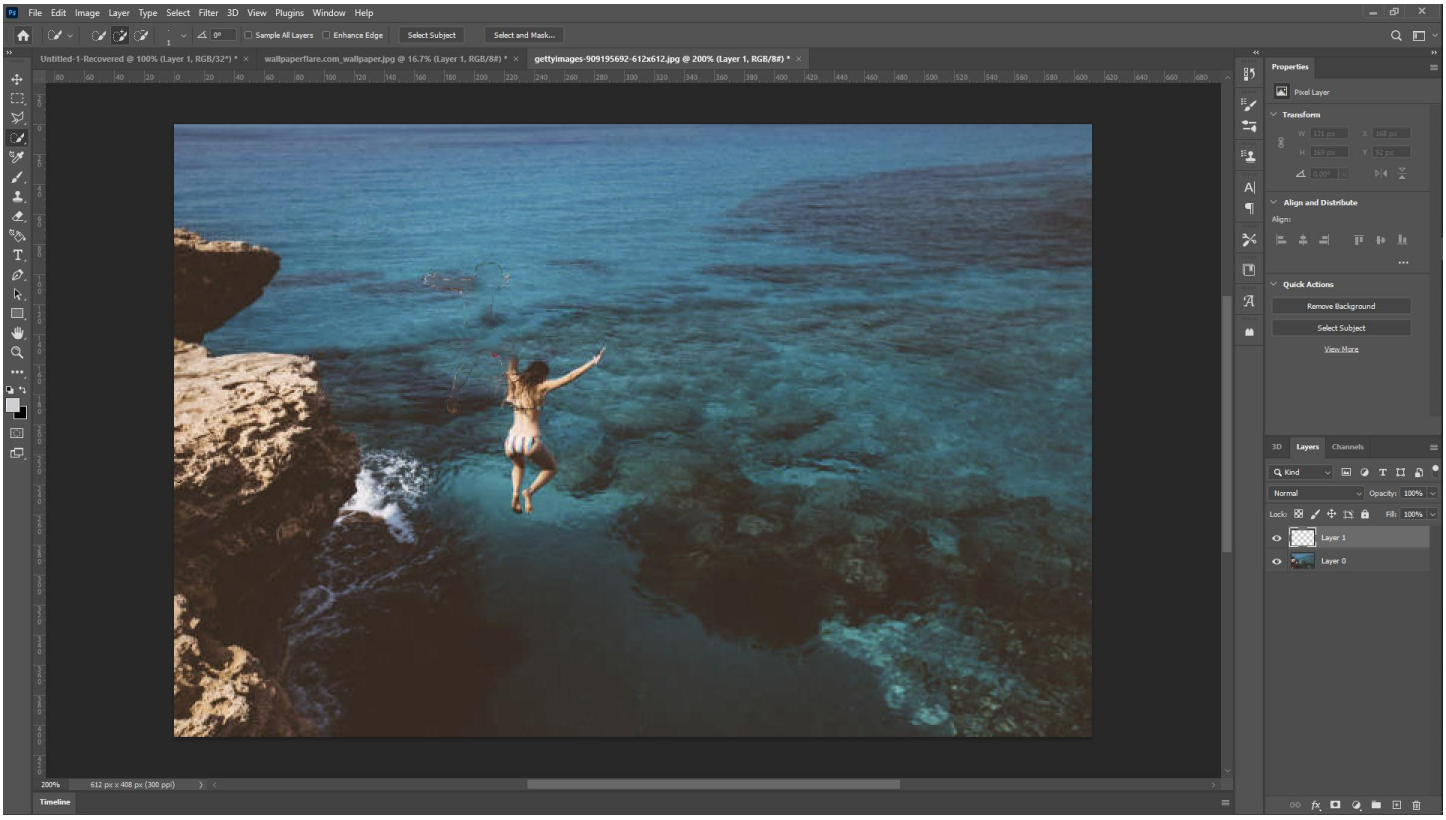
Step 3: - After that we have to select rectangular box then Lasso Select**.**

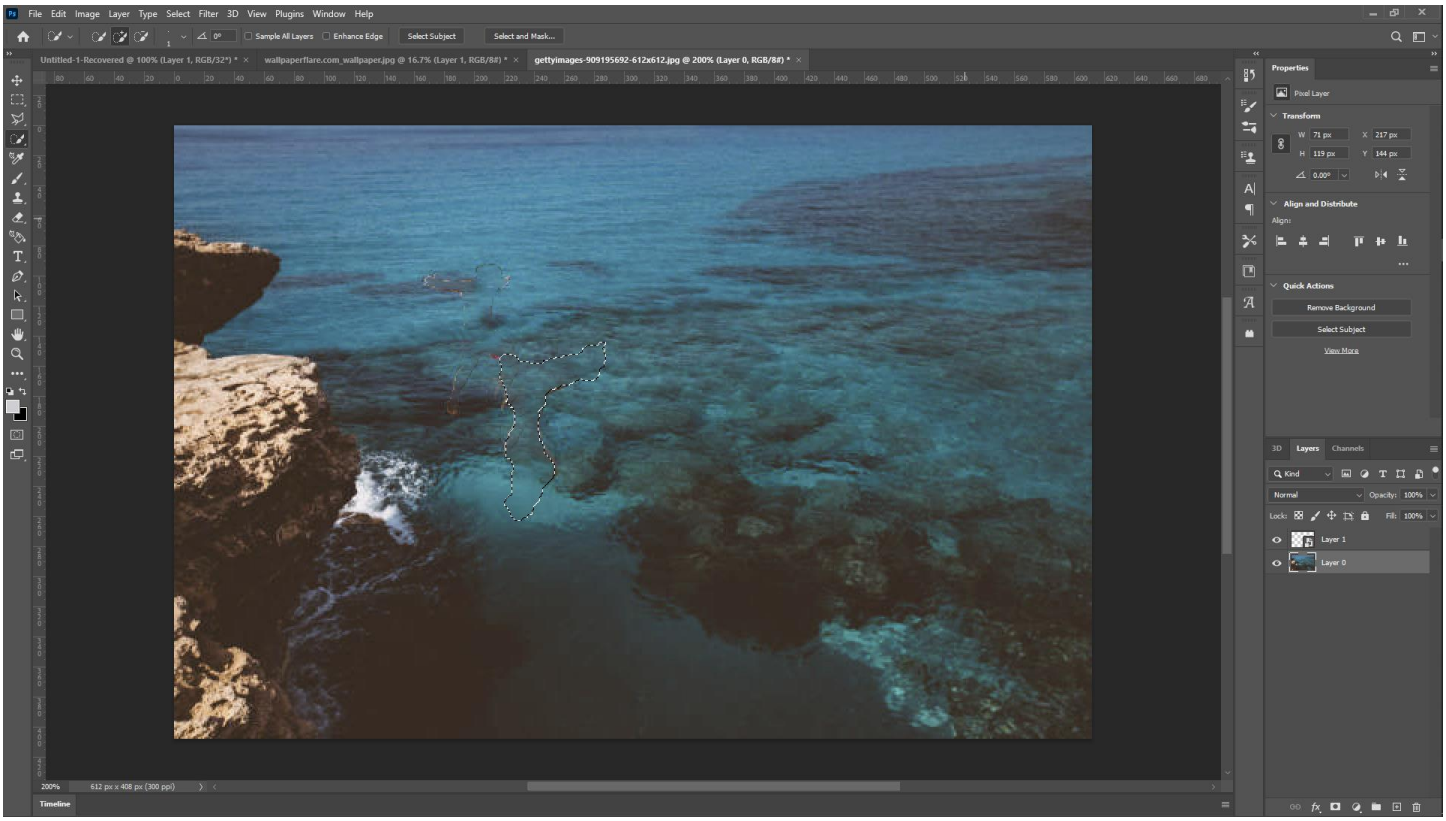
Step4:- Then select the object part of the image.

Step5:- Select Edit, and then fill.

Step6:- Fill, and then content Aware

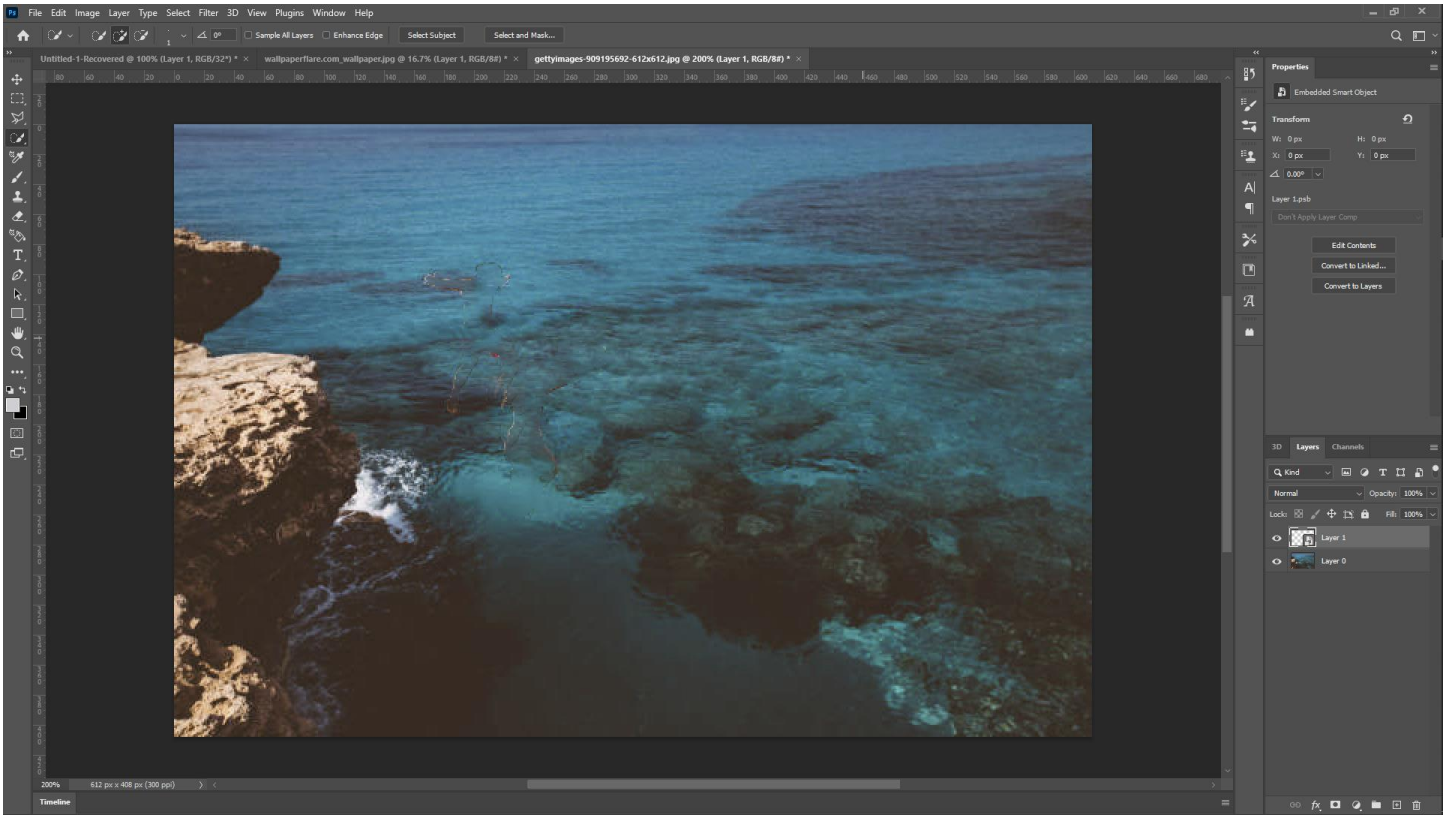

File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Fill
Contents: Content-Aware
OK
Cancel
Options
Color Adaptation
Blending
Mode: Normal
Opacity: 100 %
Preserve Transparency
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
View More
Layers
Channels
Layer 1
Layer 0
Timeline


File Edit Image Layer Type Select Filter 3D View Plugins Window Help
Select Subject
Select and Mask...
Properties
Pixel Layer
Transform
Align and Distribute
Quick Actions
Remove Background
Select Subject
View More
Layers
Channels
Layer 1
Layer 0
Timeline



OUTPUT

Step7:- Object is removed from given image.



Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks

1.			
2.			
3.			