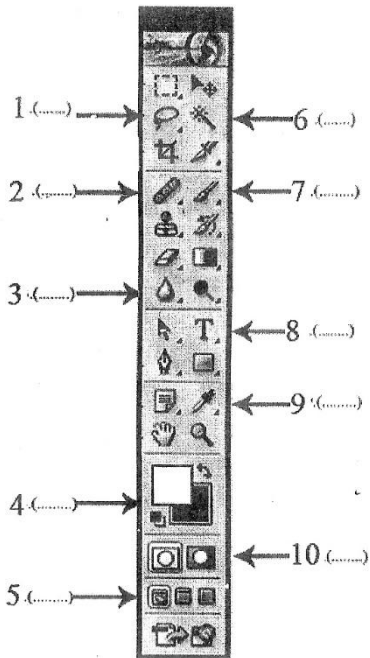


(10x1=10)

- | | | | |
|----|----------------------|---|----|
| A. | Healing brush tool | - | 2 |
| B. | Magic wand tool | - | 6 |
| C. | Eyedropper tool | - | 9 |
| D. | Lasso tool | - | 1 |
| E. | Horizontal type tool | - | 8 |
| F. | Viewing mode | - | 5 |
| G. | Editing modes | - | 10 |
| H. | Blur tool | - | 3 |
| I. | Color box | - | 4 |
| J. | Brush tool | - | 7 |



MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Diploma Course Examination, December, 2015
Certificate in Computer Application
Subject : COMPUTER GRAPHICS (CCA -105)

Full Marks:40**Time: 1 hour**

A. Write full form of the following:

1. GIF - Graphic Interchange Format
2. EPS - Encapsulated Post Script
3. TIFF - Tagged Image File Format
4. CRT - Cathode Ray Tube
5. GEM - Graphics Environment Manager
6. CMYK - Cyan, Magenta, Yellow and Black
7. PDF - Portable Document Format
8. BMP - Bitmap
9. OCR - Optical Character Recognition
10. RIP - Raster Image Processor

B. Choose the correct answer:

- Which one of the following components is not a component of Photoshop window?
a) Menus c) Zoom tool
b) Title bar d) Palettes
Answer: b) Title bar
- Which one of the following menus provides the option that enables you to change the size and mode of the image?
a) Image menu c) View menu
b) Select menu d) Edit menu
Answer: Image menu
- To delete a layers: Select a layer in the layer palette, then
a) Edit > Layer >Delete layer

- b) Image >Layer > Delete
- c) Select >Layer>Delete
- d) Layer>Delete>Yes

Answer: Layer>Delete>Yes

4. To apply layer mask: Click the layer mask thumbnail in the layer palette then

- a) Masking >Layer>apply
- b) Select Layer> Remove layer mask> apply
- c) Layer > apply> mask
- d) Layer > mask> confirm

Answer : Select Layer> Remove layer mask> apply

5. Which one of the following palette enables you to create new fill or adjustments layer?

- a) Paths
- b) History
- c) Layers
- d) Color

Answer: c) Layers

6. Which one of the following options is used to convert the selection into path palette menu?

- a) Make selection
- b) Make work path
- c) Fill path
- d) Stroke path

Answer: Make work path

7. Which one of the following options of the adjustment submenu allows you to modify a colour channel?

- a) Replace color
- b) Selective color
- c) Channel mixer
- d) Equalize

Answer: Channel mixer

8. Which one of the palette menu allows you to create spot channels in Photoshop?

- a) Histogram palette menu
- b) Channel palette menu
- c) Swatches palette

d) History palette menu

Answer: Channel palette menu

9. Filters are not used for?

- a) Sharpening the image
- b) Making the image blur
- c) Liquefy an image
- d) Searching an image

Answer: d) Searching an image

10. Which one of the following is not a function of Render filter?

- a) Create 3D shape
- b) Create cloud pattern
- c) Create refraction patterns
- d) Wrap the image with a plastic pattern

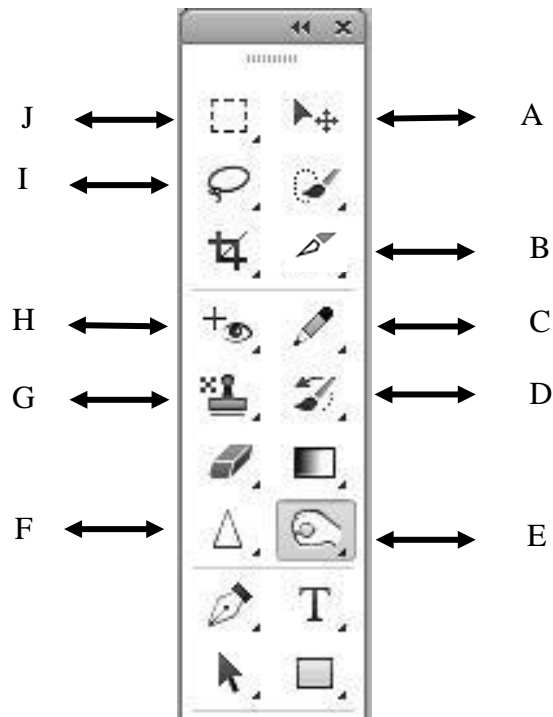
Answer: a) Wrap the image with a plastic pattern

C. State True or false:

(10x1=10)

1. The main components of Photoshop window are menus, Option bar, palettes and toolbox. **F**
2. The types of images supported in Photoshop are vector and raster image. **T**
3. The adjustments or fill layers cannot be merged. **F**
4. By using pen tool you can make selection. **F**
5. Layers are identical to non-transparent sheet stacked on top of each other. **T**
6. In an image Red, Green or Blue color cannot be adjusted separately. **F**
7. The quick mask mode enables you to create a temporary mask to edit a selection without using a channel palette. **T**
8. An action is a set of commands that can be played back on a single file or a batch of file. **T**
9. Filters can change only saturation in relation to other pixels of the image. **F**
10. Liquify filter is a set of painting tools that allows to distort pixels and transform areas of the image. **T**

MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Certificate Course Examination, December, 2016
Certificate in Computer Application
Subject : Computer Graphics (DCA-105)



Full Mark : 40

Time : 1 hour

A. Choose the correct answer

(1X40=40)

1. EPS stand for
 - a) Encapsulated Public Script
 - b) Encapsulated Protocol Script
 - c) **Encapsulated Post Script**
 - d) None of the above
2. Which of the following contains visible and hidden tools?
 - a) image window b) menu bar c) **toolbox** d) option bar
3. In a CMYK stand for
 - a) **Cyan Yellow Magenta Black**
 - b) Cyan Yellow Magenta Kolor
 - c) Cyan Yellow Mango King
 - d) None of the above
4. Photoshop which one is used to change the foreground and background of a sample of an image?
 - a) color sampler b) **eyedropper** c) gradient d) dodge
5. Which one of the following enables you to view the tonal and color information about an image?
 - a) **Histogram** b) styles c) history d) swatches
6. In order to hide a layer, which one of the icon has to be selected?
 - a) **Eye icon** b) hand icon c) lock icon d) key icon
7. Which one of the following in a Photoshop that enables you to copy pixels and repair of an image?
 - a) gradient b) smudge c) dodge d) **cloning**
8. The images supported by Photoshop are
 - a) raster and JPEG c) vector and scaler
 - b) **vector and raster** d) TIFF and PNG
9. Which one of the following is not a selection tool?
 - a) **Smudge** b) lasso c) path selection d) magic wand
10. PPI means
 - a) Parts per inches c) **Pixels per inches**
 - b) Photoshop pixel image d) Photo printing image
11. Creating and exact copy of a layer is
 - a) cloning b) merging c) masking d) **duplicating**

12. 'Magic wand' in a Photoshop
 - a) enables you to make a rectangular or elliptical selection in an image
 - b) enables you to draw straight edged and freehand segments of a selection border
 - c) enables you to select path segment and path components in an image
 - d) enables you to select consistently colored area without tracing its outline by hand**
13. To protect parts of layer from being edited is
 - a) layering
 - b) locking**
 - c) masking
 - d) grouping
14. RGB is the color combination of
 - a) Red Green Blue**
 - b) Red Green Brown
 - c) **Red Green Blue**
 - d) None of the above
15. The measure of distinction between two colors and saturation denotes the purity of a color is
 - a) hue**
 - b) balancing
 - c) aliasing
 - d) tolerance
16. Channel that store spot colors in an image is
 - a) Spot channel**
 - b) Store channel
 - c) color channel
 - d) image channel
17. Tile filters breakup an image into
 - a) Cube**
 - b) triangle
 - c) circle
 - d) square**
18. OCR stands for
 - a) Optical character reader**
 - b) Optics character reader
 - c) optical code reader
 - d) None of the above
19. 3D stands for
 - a) Three direction
 - b) Three dimensional**
 - c) Three directional
 - d) None of the above
20. TIFF stands for
 - a) Tag image file format
 - b) Tagged image file format**
 - c) Tag information file format
 - d) None of the above
21. Which one of the following palettes enables you to create new fill or adjustment layer?
 - a) Paths
 - b) History
 - c) Layers**
 - d) Color
22. PNG stand for
 - a) Photoshop network graphic**
 - b) Pixel null grey
 - c) **Portable network graphic**
 - d) Photoshop network group
23. Graphics package used to create, edit and modify images is
 - a) graphics
 - b) toolbox
 - c) Photoshop**
 - d) palettes
24. Which one of the following filter adds degrees or wiggleness to an image?
 - a) Distort filter
 - b) Destructive filter
 - c) glass filter
 - d) ripple filter**

25. GIF stand for
 - a) Graph interchange format
 - b) Graphical interchange format**
 - c) Graphical interchange form
 - d) none of the above
26. The filter which make the image looks as if it were under water is
 - a) Ocean ripple**
 - b) wave ripple
 - c) sparkle ripple
 - d) mosaic
27. Which one of the following adds low frequency details and produces a hazy effect?
 - a) Gaussian blur**
 - b) motion blur
 - c) blur more
 - d) radial blur
28. Render filter creates which shape of the following?
 - a) 5D
 - b) 1D
 - c) 3D**
 - d) 7D
29. The raster images are displayed on the monitor with a resolution of
 - a) 72 to 96 ppi**
 - b) 32 to 64 ppi
 - c) 80 to 102 ppi
 - d) 40 to 96 ppi
30. JPEG stands for
 - a) Joint Photographic Expert Group**
 - b) Joint Photographic Experts group
 - c) Joint Photo Expert Group
 - d) none of the above

For question 31 to 40 refer the given diagram below

31. Move tool is
 - a) A**
 - b) B
 - c) C
 - d) D
32. Slice tool is
 - a) A
 - b) B**
 - c) C
 - d) D
33. Pencil tool is
 - a) B
 - b) C**
 - c) D
 - d) E
34. History brush tool is
 - a) B
 - b) C
 - c) D**
 - d) E
35. Burn tool is
 - a) B**
 - b) C
 - c) D
 - d) E**
36. Sharpen tool is
 - a) C**
 - b) D
 - c) E
 - d) F**
37. Pattern stamp tool is
 - a) E
 - b) F
 - c) G**
 - d) H
38. Red eye tool is
 - a) E**
 - b) F
 - c) G
 - d) H**
39. Lasso tool is
 - a) H
 - b) I**
 - c) J
 - d) K
40. Rectangular marquee tool is
 - a) H
 - b) I
 - c) J**
 - d) K

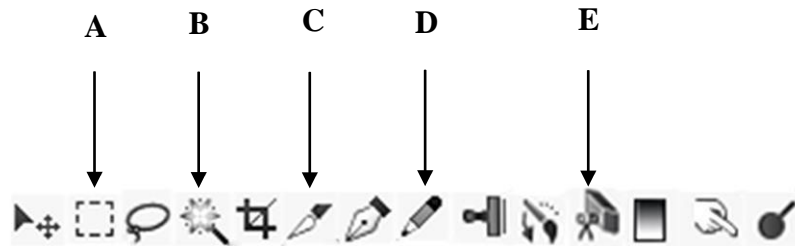
34. Which one of the following filter breaks up image into square?

- a) Brush stroke
- b) Chalk and Charcoal
- c) Patch work
- d) **Tile filter**

35. Which one of the filter creates 3D shapes?

- a) Cloud
- b) **Render**
- c) Transform
- d) Masking

Identify the names against the figure given below



36. A is.....

- a) **Rectangular marquee tool**
- b) Gradient tool
- c) smudge tool
- d) slice tool

37. B is

- a) Lasso tool
- b) Background eraser tool
- c) **magic wand tool**
- d) pencil tool

38. C is.....

- a) Magic wand tool
- b) Pencil tool
- c) smudge tool
- d) **slice tool**

39. D is

- a) Background eraser tool
- b) Magic wand tool
- c) **pencil tool**
- d) Rectangular marquee tool

40. E is

- a) Lasso tool
- b) **Background eraser tool**
- c) Magic wand tool
- d) pencil tool

MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION

Diploma Course Examination, December, 2017

Diplomae in Computer Application Semester I

Subject : Computer Graphics (DCA-105)

Full Mark : 40

Time : 1 hour

A. Choose the correct answer

(1X40=40)

1. The image file format that is compressed without any loss of data is
a) TIFF b) JPEG c) EPS d) **PNG**
2. Protecting the element of an image is?
a) Preventing c) Blocking
b) **Locking** d) All of them
3. Images that consists of pixels in a grid is called?
a) **Raster image** c) Duplicate image
b) Vector image d) Original image
4. Masking stored the image as which one of the bit grayscale channel?
a) 16-bit b) 2-bit c) 4-bit d) **8-bit**
5. Creating exact copy of a layer is?
a) **Duplicating** c) Layering
b) Cloning d) Copy
6. Two types of images supported by Photoshop are?
a) **Vector and Raster** c) Pixel and Grid
b) Duplicating and Original d) Vector and masking
7. Which one of the following is a graphics package used to create, edit and modify images?
a) Microsoft c) **Photoshop**
b) Pagemaker d) All of the above
8. Which one of the following is used to store spot colors in an image?
a) Stored channel c) **Spot Channel**
b) saved channel d) Solidity channel
9. An image can consist up to how many channel
a) 12 b) **24** c) 18 d) 26
10. When you duplicate alpha channel between images then the channels need to have...
a) Compressed pixels c) Different pixels dimensions
b) **Cropped pixels** d) **Identical pixels dimensions**

11. Which one of the following breaks up an image into square?
 - a) Wind filter
 - b) **Tile filter**
 - c) Mosaic filter
 - d) Vertical filter
12. Creating a layer set of an image refers to?
 - a) Image layering
 - b) **Grouping**
 - c) Setting
 - d) masking
13. Which one of the following enables you to specify a direction of movement in angle from -360° to +360°?
 - a) Layer blur
 - b) **Motion blur**
 - c) Radial blur
 - d) Smart blur
14. Permanent mask can be created by storing in which channel?
 - a) **Alpha**
 - b) Gray
 - c) Palette
 - d) Mask
15. The resolution of raster image is?
 - a) **72 to 96 ppi**
 - b) 72 to 69 ppi
 - c) 27 to 69 ppi
 - d) 45 to 90 ppi
16. The filter adds degrees of wiggleness to an image is?
 - a) distort
 - b) **destructive**
 - c) Gaussian
 - d) **ripple**
17. Which one of the following is not include in Artistic filter?
 - a) **Brush stroke**
 - b) Film gray
 - c) Neon glow
 - d) Plastic wrap
18. Once you have made some distortions, you can use which one of the following tool to restore the image to initial state?
 - a) Undo tool
 - b) **Reconstruct tool**
 - c) Warp tool
 - d) bloat tool
19. The tools moves pixels at 90 degree angle to the way you move through the brush is?
 - a) **Shift pixel**
 - b) Bloat tool
 - c) Reflect tool
 - d) Twirl tool
20. Which one of the following redraws an image with fine narrow lines?
 - a) Stylize and pixalte
 - b) **Ink outlines**
 - c) Spherize and polar
 - d) None of the above
21. Which one of the following is used to lighten and darken area of an image?
 - a) **Dodge**
 - b) Smudge
 - c) Sponge
 - d) Gradient
22. Which one of the following is used to straight-edge and free hand segment of a selection border of an image?
 - a) dodge
 - b) **marquee**
 - c) magic wand
 - d) **lasso**
23. The command modifies the overall mixture of colors in an image is called?
 - a) Template
 - b) Masking
 - c) **Balancing color**
 - d) Command color
24. Which one of the following allows you to save a file with a file name?
 - a) Save
 - b) **Save as**
 - c) Save with
 - d) All of these
25. Which one of the following is not a component of Photoshop window?
 - a) Zoom tool
 - b) **Hide tool**
 - c) save tool
 - d) **print tool**
26. The three lens shapes offered by lens flare filter are?
 - a) **50-300mm zoom, 55mm prime, 105mm prime**
 - b) 40-300mm zoom, 25mm prime, 105mm prime
 - c) 50-300mm zoom, 55mm prime, 205mm prime
 - d) 20-300mm zoom, 45mm prime, 105mm prime
27. The full form of TIFF is?
 - a) Thick image file format
 - b) **True image file format**
 - c) Thine image file format
 - d) **Tagged image file format**
28. A curve path consists of two anchor points connected by a
 - a) Node
 - b) **Converting path**
 - c) Line
 - d) **Curve segment**
29. Which one of the following adds low-frequency detail over an image?
 - a) **Gaussian blur**
 - b) Palette blur
 - c) Smart blur
 - d) Motion blur
30. PPI means
 - a) **Pixels per inches**
 - b) Pixel Photographic Information
 - c) parts per inches
 - d) Picture per inches
31. Which one of the following enables you to copy pixels and repair an image?
 - a) Duplicating image
 - b) **Layering image**
 - c) Masking image
 - d) **Cloning image**
32. 3D refers to
 - a) **Three directions**
 - b) Three distinctions
 - c) **Three dimensions**
 - d) Three differences
33. The filter used to change a selection from its rectangular to polar coordinates and vice versa is?
 - a) **Polar coordinates filter**
 - b) Stylize filter
 - c) Mosaic filter
 - d) Spherize filter

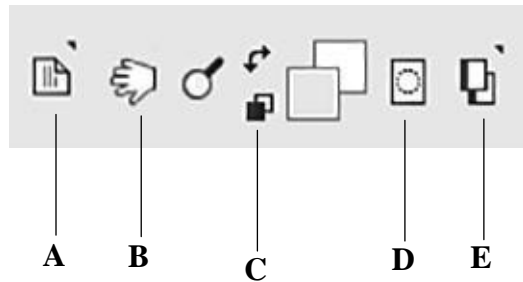
34. The process of converting a vector image into a raster image is called

- a) Smudging
- b) Cloning
- c) **Rasterizing**
- d) Dragging

35. Which of the following is not a tool that appears in the toolbox?

- a) **Pencil**
- b) Zoom
- c) Smudge
- d) Dodge

Identify the names against the figure given below



36. A is tool

- a) **Notes**
- b) Slice
- c) Zoom
- d) Magic wand

37. B is tool

- a) Crop
- b) **Hand**
- c) Zoom
- d) Magic wand

38. C is tool

- a) **Default foreground/ background**
- b) Zoom
- c) Healing brush
- d) None of these

39. D is tool

- a) Move
- b) **Slice**
- c) Blur
- d) **Edit in quick mask**

40. E is Tool

- a) Move
- b) Dodge tool
- c) **Change screen**
- d) Magic wand

MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION

Diploma Course Examination, December 2018

Semester-I, Diploma in Computer Application

Subject : Computer Graphics (DCA-105)

A. Choose the correct answer

(1X40=40)

1. Which one of the following enables you to monitor and modify images?

- a) Image
- b) **picture**
- c) Pixels
- d) **palettes**

2. Which one of the following contains various menu option?

- a) **Menu bar**
- b) Lasso
- c) path selection
- d) Magic wand

3. Which one of the following enables you to draw straight lines and curves?

- a) **Pen**
- b) Lasso
- c) Smudge
- d) Eyedropper

4. Modification of the saturation area of an image is?

- a) Color sampler
- b) **Eyedropper**
- c) Gradient
- d) **Sponge**

5. Which one of the following enables you to view the tonal and color information about an image?

- a) **Histogram**
- b) Styles
- c) History
- d) Swatches

6. The following tool enables you to move a selection in an image?

- a) Image window
- b) Menu bar
- c) **Move tool**
- d) Option bar

7. 'Channel' enables you to

- a) Save a file with a file name
- b) Save the current opened file without providing a filename
- c) **Create and manage channel**
- d) None of the above

8. The following selection tools enables you to draw straight-edged and freehand segments of a selection border to select an image

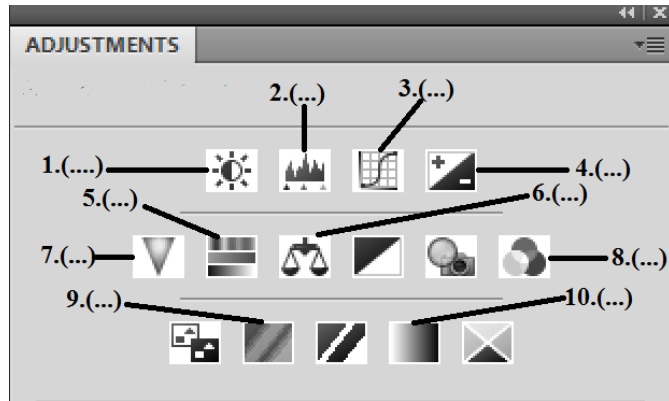
- a) Path selection
- b) Shape
- c) **Lasso**
- d) gradient

9. TIFF image is saved with

- a) .iff
- b) .tff
- c) **.tif**
- d) tff.

10. Selecting the foreground and background colors with the help of the eyedropper is called?
 - a) gradient
 - b) Smudge
 - c) **Swatches**
 - d) Cloning
11. A group that consists of number of layers in sequences is called?
 - a) **Clipping group**
 - b) Merging
 - c) Masking
 - d) Duplicating
12. 'Vector images' are
 - a) Non scalable
 - b) **Scalable**
 - c) Both (a) and (b)
 - d) None of these
13. Copy pixels and repair an image refers to
 - a) layering
 - b) Locking
 - c) **Cloning**
 - d) Copy paste
14. Creating exact copy of a layer is
 - a) **Duplicating**
 - b) Wave ripple
 - c) Sparkle ripple
 - d) Mosaic
15. Eliminating layers from the layer palette is?
 - a) Rubbing
 - b) Erasing
 - c) Removing
 - d) **Deleting**
16. The measure of distinction between two colors and saturation denotes the purity of a color is
 - a) **Hue**
 - b) Balancing
 - c) Aliasing
 - d) Tolerance
17. Protecting the elements of an image is called
 - a) Reserve
 - b) Saving
 - c) Covering
 - d) **Locking**
18. Channels that store spot colors in an image is
 - a) **Spot channel**
 - b) Store channel
 - c) Color channel
 - d) Image channel
19. Tile filter breaks up an image into
 - a) Cube
 - b) **Triangle**
 - c) Circle
 - d) **Squares**
20. Modification of the overall mixture of colors in an image is called?
 - a) Scaling
 - b) Changing
 - c) **Balancing**
 - d) Modify
21. Motion blur provides a distance in pixel between?
 - a) 0 to 255
 - b) **1 to 999**
 - c) 100 to 200
 - d) 8 to 288
22. RGB is the color combination of
 - a) Red green Black
 - b) Red green Brown
 - c) **Red Green Blue**
 - d) None of these
23. Which one of the following filters adds degrees of wiggleness to an image?
 - a) Distort filter
 - b) **Destructive filter**
 - c) Glass filter
 - d) **Ripple filter**
24. Which one of the following is not recommended for high end output?
 - a) Hue
 - b) **Brightness**
 - c) Saturation
 - d) Both (b) and (c)
25. Render filter creates which shape of the following?
 - a) 5D
 - b) 1D
 - c) **3D**
 - d) 7D
26. The images supported by Photoshop are
 - a) Raster and JPEG
 - b) **Vector and raster**
 - c) Vector and scalar
 - d) TIFF and png
27. Brightness and contrast values ranges between
 - a) **-100 to +100**
 - b) 0 to 100
 - c) -200 to +200
 - d) 0 to 360
28. Pixel refers to
 - a) **Picture elements**
 - b) Picture-excel
 - c) Can be both
 - d) none of these
29. Graphics package used to create, edit and modify images is
 - a) Graphics
 - b) Toolbox
 - c) **Photoshop**
 - d) Palettes
30. Creating a layer set of an image refers to?
 - a) Image layering
 - b) **grouping**
 - c) Setting
 - d) Masking
31. Masks are stored as how many bits?
 - a) 2
 - b) 4
 - c) **8**
 - d) 16
32. The tools move pixels at 90 degrees angle to the way you move through the brush is?
 - a) **Shift pixel**
 - b) Bloat tool
 - c) Reflect tool
 - d) Twirl tool
33. Which of the following is NOT include in Artistic filter?
 - a) **Brush stroke**
 - b) Film Grain
 - c) Neon glow
 - d) Plastic wrap

IV. Match the adobe photoshop adjustments diagram from the following :(10x1=10)



- A. Curves -3
- B. Hue/Saturation -5
- C. channel mixer -8
- D. Posterize -9
- E. Brightness/Contrast -1
- F. Vibrance -7
- G. Levels -2
- H. Exposure -4
- I. Gradient map -10
- J. Color balance -6

MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION

Certificate Course Examination, June, 2014
Certificate in Computer Application
Subject : Computer Graphics (CCA-105)

Full Mark : 40

Time : 1 hour

I. Write the full form of the following abbreviations (10x1=10)

- | | | |
|---------|---|-----------------------------------|
| 1. CFF | - | Compact Font Format |
| 2. LED | - | Light Emitting Diode |
| 3. PNG | - | Portable Network Graphic |
| 4. CMYK | - | Cyan, Magenta, Yellow, Key(black) |
| 5. TIFF | - | Tagged Image File Format |
| 6. PPI | - | Pixels Per Inch |
| 7. BMP | - | Bitmap |
| 8. GIF | - | Graphic Interchange Format |
| 9. SVG | - | Scalable Vector Graphics |
| 10. CRT | - | Cathode Ray Tube |

II. Tick (✓) the correct answer from the list : (10x1=10)

- | | | |
|----|---|----------|
| 1. | The typical size of graphic design is measured in _____ | |
| a) | mm | b) cm |
| c) | inches | d) pixel |

Ans : pixel

- | | | |
|----|--|------------|
| 2. | By changing the percentage of _____ we can blend multiple layers with one another. | |
| a) | Transparency | b) Opacity |

c) Thickness

d) Dimension

Ans : Transparency

3. _____ tool is used to magnify an area of the design.

a) Zoom

b) Layer

c) Histogram

d) Hand

Ans : Zoom

4. _____ tool is used to cut certain area of the image.

a) Clone stamp

b) Brush

c) Crop

d) Eye dropper

Ans : Crop

5. A short cut key for editing keyboard short cut is _____

a) Alt+Ctrl+Shift+K

b) Alt+Ctrl+K

c) Ctrl+Shift+K

d) Alt+Shift+K

Ans : Alt+Ctrl+Shift+K

6. To rotate the image 180° _____

a) Image>image rotation>180° b) Image> transform>180°

c) View>rotate>180° d) Edit>transform> rotate 180°

Ans : Image>image rotation>180°

7. To open levels panel _____

a) Filter>adjustment>levels b) Window>levels

c) View>adjustment>levels d) Image > Adjustments > Levels.

Ans : Image > Adjustments > Levels

8. Which of the following will be useful to fill layer as background

a) Gradient

b) Lasso

c) Marquee

d) Mask

Ans : Gradient

9. The short cut key for curve tool is _____

a) Ctrl+C

b) Ctrl+M

c) Ctrl+R

d) Ctrl+U

Ans : Ctrl+M

10. The default extension of photoshop file is _____

a) jpg

b) psop

c) psd

d) gif

Ans : psd

III. State True or False of the following statements : (10x1=10)

1) From shadow highlight we can adjust image for more realistic. **T**

2) Resizing of smart object does not lost image quality. - **T**

3) Scroll bar display vertically on right side of the screen only. - **F**

4) We cannot draw a new image in photoshop. - **F**

5) Multiply blend mode makes only black color transparent. **F**

6) From channel we can adjust red, green and blue color separately. **T**

7) Different layers can be grouped together. - **T**

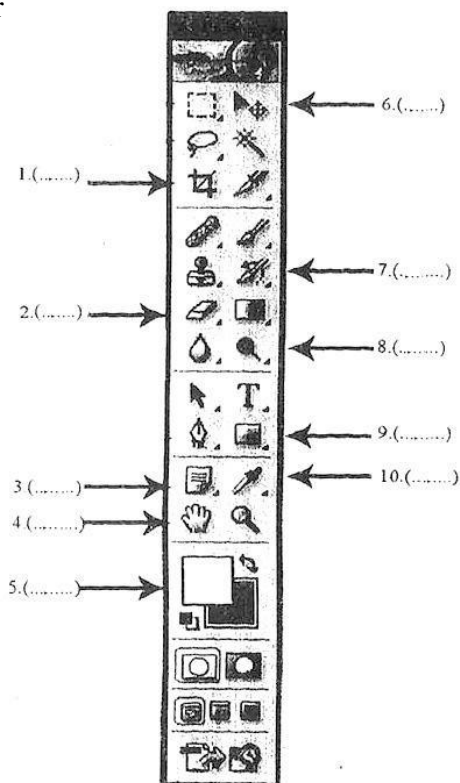
8) If *tools* does not appear, we can get it from image>tools. - **F**

9) Layer mask helps in hiding some portion of the image. – **T**

10) Gaussian blur is available in filter menu. - **T**

D. Match the following:

- | | | |
|-------------------|---|----|
| 1. Hand tool | - | 4 |
| 2. Color Box | - | 5 |
| 3. Rectangle tool | - | 9 |
| 4. Dodge tool | - | 8 |
| 5. Eyedropper | - | 10 |
| 6. Notes Tool | - | 3 |
| 7. History Brush | - | 7 |
| 8. Crop tool | - | 1 |
| 9. Move Tool | - | 6 |
| 10. Eraser | - | - |



MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Diploma Course Examination, June, 2015
Certificate in Computer Application
Subject : COMPUTER GRAPHICS (CCA -105)

Full Marks:40

Time: 1 hour

A. Write full form of the following:

- | | | |
|----------|---|---------------------------------|
| 1. PDF | - | Portable Document Format |
| 2. BMP | - | Bitmap |
| 3. SVG | - | Scalable Vector Graphics |
| 4. ICC | - | International Color Consortium |
| 5. OCR | - | Optical Character Recognition |
| 6. PSD | - | Photoshop Document |
| 7. PNG | - | Portable Network Graphics |
| 8. PPI | - | Pixels Per Inch |
| 9. RIP | - | Raster Image Processor |
| 10. CMYK | - | Cyan, Magenta, Yellow and Black |

B. Choose the correct answer:

1. Which one of the following menus provides the option that enable you to change the size and mode of an images?
- | | |
|----------------|--------------|
| a) Image menu | c) View menu |
| b) Select menu | d) Edit menu |

Answer: d) Image menu

2. Which one of the following palettes enable you to record, revert and delete the changes made to an image
- | | |
|---------|--------------|
| a) Info | c) Histogram |
|---------|--------------|

b) History

Answer: b) History

d) Color

3. Creating a layer from menu

a) Edit>layer>new layer

b) Image>Layer>new

Answer: d) Layer>new>layer

c) Select>new layer

d) Layer>new>layer

4. A short cut key for editing keyboard short cut is _____

a) Alt+Ctrl+K

c) Alt+Shift+K

b) Ctrl+Shift+K

d) Alt+Ctrl+Shift+K

Answer: d) Alt+Ctrl+Shift+K

5. The short cut key for curve tool is _____

a) Ctrl+C

c) Ctrl+R

b) Ctrl+M

d) Ctrl+U

Answer: b) Ctrl+M

6. Which one of the following menu provides the option of duplication layer?

a) Image menu

c) View menu

b) Layer menu

d) Select menu

Answer: b) Layer menu

7. Which one of the following options is used to convert a selection into a path using path palette menu?

a) Make selection

c) Fill path

b) Make work path

d) Stroke path

Answer: b) Make work path

8. Which one of the following options of the channel palette menu allows you to duplicate channels in Photoshop?

a) Duplicate channel option

c) Copy channel

b) Duplicate a channel option

Answer: a) Duplicate channel option

d) Copy a channel

9. Which one is not a type of filter?

a) Construction filter

c) Effects filter

b) Destructive filter

d) Fly filter

Answer: d) Fly filter

10. Which one of the following geometric shapes is not available in 3D transform filter

a) Sphere

c) Rhombus

b) Cube

d) Cylinder

Answer: c) Rhombus

C. State TRUE or FALSE:

1. Filter are also used for searching an image. **F**

2. Destructive filter effect cannot be altered after applying them. **T**

3. Quick mask mode enables you to create a temporary mask to edit a selection without using the channel palette. **T**

4. Swatches palette menu allow you to create spot channel in Photoshop. **F**

5. Pen tool can be used to draw only straight line. **F**

6. Masking can be used to protect parts of a layer from being edited. **T**

7. Zoom tool is the component of photoshop window. **F**

8. Posterize specify the number of tonal levels for each colour channel. **T**

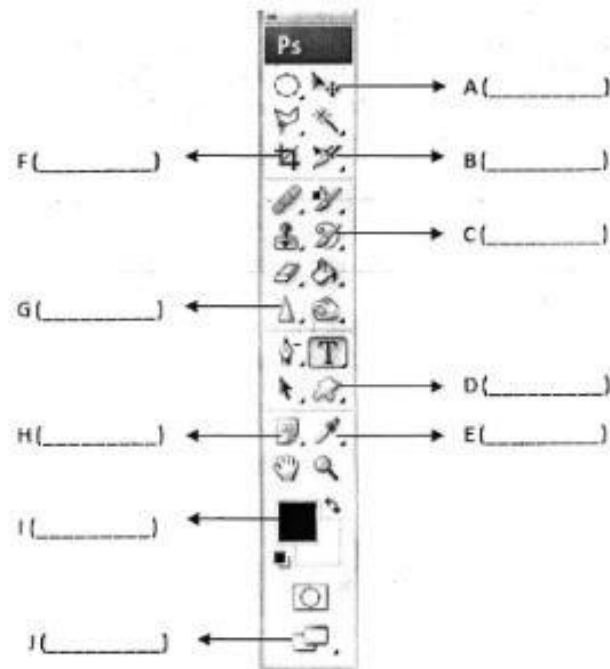
9. Vector and Raster types of images are supported by photoshop.

10. Dodge enables you to lighten or darken areas of an image. **T**

D. Match the diagram from the following:

(10x1=10)

- | | |
|-------------------------|----|
| 1. Notes tool | -H |
| 2. Art History | -C |
| 3. Set foreground color | -I |
| 4. Move tool | -A |
| 5. Slice select tool | -B |
| 6. Sharpen tool | -G |
| 7. Eyedropper tool | -E |
| 8. Change screen mode | -J |
| 9. Custom shape tool | -D |
| 10. Crop tool | -F |



MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Diploma Course Examination, June, 2016
Certificate in Computer Application
Subject : COMPUTER GRAPHICS (CCA -105)

Full Marks:40

Time: 1 hour

A. Write full form of the following:

- | | | |
|---------|---|---------------------------------|
| 1. CYMK | - | Cyan, Magenta, Yellow And Black |
| 2. PPI | - | Pixels Per Inch |
| 3. PNG | - | Portable Network Graphics |
| 4. 3D | - | 3 Dimensional |
| 5. JPEG | - | Joint Photographic Expert Group |
| 6. GIF | - | Graphic Interchange Format |
| 7. RGB | - | Red, Green and Blue |
| 8. TIFF | - | Tagged Image File Format |
| 9. OCR | - | Optical Character Recognition |
| 10. EPS | - | Encapsulated Post Script |

B. Choose the correct answer:

- | | |
|--|-------|
| 1. An image can consists of up to how many channels? | |
| a) 55 | c) 32 |
| b) 24 | d) 16 |

Answer: 24

- | | |
|--|-------------|
| 2. Which one of the following enables you to erase a portion of image? | |
| a) Eraser | c) Gradient |
| b) Magic Wand | d) Lasso |

Answer: Eraser

3. Which one of the following enables you to protect parts of layers from being edited

- a) Duplicating
- b) Hiding
- c) Locking
- d) Masking

Answer: Locking

4. Which one of the following contains tools for selecting, drawing and painting, editing and viewing images?

- a) Toolbox
- b) Image Window
- c) Lasso
- d) Menu bar

Answer: Toolbox

5. The brightness slider enables you to adjust brightness from

- a) 10% - 300%
- b) 10% - 270%
- c) 100% - 200%
- d) 15% - 150%

Answer: -100 to +100

6. The following enables you to take a sample of an image color to change the foreground and background color?

- a) Eraser
- b) Eyedropper
- c) Notes
- d) Smudge

Answer: Eyedropper

7. Which one of the following represents channel that store selections as 8-bit greyscale images?

- a) Color
- b) Alpha
- c) Spot color
- d) None of the above

Answer: Alpha

8. The process of converting a vector image into a raster image is called

- a) Smudging
- b) Cloning
- c) Rasterizing
- d) Dragging

Answer: c) Rasterizing

9. Which one of the following is image editing software?

- a) Imageready
- b) Microsoft Word
- c) Adobe Reader
- d) Matlab

Answer: a) Imageready


10. Which one of the following enables you to modify color saturation of an area?

- a) Sponge
- b) Smudge
- c) Gradient
- d) Dodge

Answer: a) Sponge


C. State True or false:

1. Liquefy filter is a set of painting tools that allows to distort pixels and transform areas of the image. - **T**
2. Duplicating layers is a technique that creates an exact copy of a layer. - **T**
3. The brightness/contrast command is recommended for high-end output. **F**
4. Locking layers protects the elements of an image. - **T**
5. Hiding layers refers to eliminate layers from the layer palette. - **F**
6. The color balance command modifies the overall mixtures of color in an image. - **T**
7. Raster images are images that consist of pixels in a grid. - **T**
8. The angle range of motion blur is from -270 to +270. - **F**
9. Histogram enables you to view the tonal and color information about image. - **T**
10. Mixing is a process in Photoshop that enables you to copy pixels and repair an image. **F**

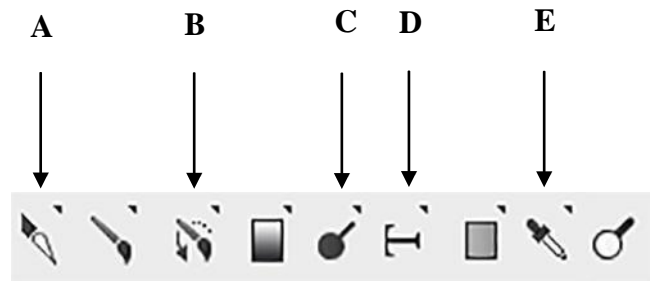
10. How many channels are required in RGB?
a) three b) **four** c) two d) six
11. Which one of the following enables you to specify a direction of movement in pixel from 1 to 999?
a) Layer blur c) radial blur
b) **Motion blur** d) smart blur
12. 'Masking stored the images as which one of the bit grayscale channel?
a) 16-bit b) 2-bit c) 4-bit d) **8-bit**
13. Tile filter breaks up an image into?
a) landscape b) **square** c) mirror d) vertical
14.  represents
a) **Twirl clockwise** c) Push left tool
b) Puckertool d) Mirror tool
15. Permanent mask can be created be storing in which channel?
a) **alpha** b) gray c) palette d) mask
16. The filter adds degrees of wiggleness to an image is?
a) distort c) Gaussian
b) **destructive** d) **ripple**
17. An image can consist up to how many channels?
a) 12 b) **24** c) 18 d) 26
18. A software that comes with Adobe Photoshop is
a) Photoshop pro c) Photoshop plus
b) **Photoshop image ready** d) Photoshop file
19. The resolution of raster image is?
a) **72 to 96 ppi** c) 27 to 69 ppi
b) 72 to 69 ppi d) 45 to 90 ppi
20. Which one of the following is not a file format of JPEG?
a) .jpg c) .png
b) **.tiff** d) **.avi**
21. Which one of the following is not include in Artistic filter?
a) **Brush stroke** c) Neon glow
b) Film grain d) plastic wrap
22. Which one of the following is used to straight-edge and free hand segment of a selection border of an image?
a) dodge c) magic wand
b) **marquee** d) **lasso**



represents

- a) Zoom tool c) **Bloat tool**
b) Hand tool d) Thaw mask
24. Which one of the following pair includes in brush stroke filters?
a) Stylize and pixalete c) spherize and polar
b) **Crosshatch and ink outlines** d) None of the above
25. Which one of the following is not a component of Photoshop window?
a) Zoom tool c) save tool
b) **Hide tool** d) **print tool**
26. The three lens shapes offered by lens flare filter are?
a) **50-300mm zoom, 55mm prime, 105mm prime**
b) 40-300mm zoom, 25mm prime, 105mm prime
c) 50-300mm zoom, 55mm prime, 205mm prime
d) 20-300mm zoom, 45mm prime, 105mm prime
27. Which one of the following is used to lighten and darken area of an image?
a) **Dodge** c) sponge
b) Smudge d) gradient
28. Once you have made some distortions, you can use which one of the following tool to restore the image to initial state?
a) Undo tool c) warp tool
b) **Reconstruct tool** d) bloat tool
29. The command that modifies the overall mixture of colors in an image is called?
a) Template c) **balancing color**
b) Masking d) command color
30. Which one of the following allows you to save a file with a file name?
a) save c) save with
b) **save as** d) all of the above
31. A curve path consists of two anchor points connected by a.....
a) Node c) line
b) **Converting path** d) **curve segment**
32.  represents
a) Zoom tool c) Thaw mask
b) **Hand tool** d) **Refection tool**
33. The tools move pixels at 90 degrees angle to the way you move through the brush is?
a) **Shift pixel** c) reflect tool
b) Bloat tool d) twirl tool

Identify the names against the figure given below



36. A is.....

- a) Move
- b) **Slice**

37. B is

- a) Crop
- b) **Slice**

38. C is.....

- a) History brush
- b) **Healing brush**

39. D is

- a) **Text tool**
- b) Slice

40. E is

- a) **Eyedropper**
- b) Dodge tool

- c) Notes
- d) Magic wand

- c) Zoom
- d) **History brush**

- c) Zoom
- d) **Dodge tools**

- c) Blur
- d) Dodge tool

- c) Shape tool
- d) Crop

MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Diploma Course Examination, June, 2018
Diplomae in Computer Application Semester I
Subject :Computer Graphics (DCA-105)

FullMark : 40

Time : 1 hour

A. Choose the correct answer

(1X40=40)

1. Small dots of individual colors that appear on the screen is
a) Image b) Picture c) **Pixels** d) dots
2. To protect parts of layers from being edited is
a) Layering b) Locking c) **Masking** d) Grouping
3. Which one of the following enables you to view the tonal and color information about an image
a) **Histogram** b) Styles c) History d) Swatches
4. 'Save as'
a) **Allows you to save a file with a file name**
b) Allows you to save the current opened file without providing a file name
c) Both a) and b)
d) None of the above
5. Which one of the following in a Photoshop that enables you to copy pixels and repair an image?
a) Gradient b) Smudge c) Layering d) **Cloning**
6. The filter which makes the image look as if it were under water is
a) **Ocean ripple** c) Sparkle ripple
b) Wave ripple d) Mosaic
7. Which one of the following is not a selection tools?
a) **Smudge** c) Path selection
b) Lasso d) Magic wand
8. Channels that store spot colors in an image is
a) Color channel c) **Spot Channel**
b) Store channel d) Image channel
9. Render filter creates which shape of the following?
a) 5D b) 1D c) **3D** d) 7D
10. The images supported by Photoshop are
a) Raster and JPEG c) Vector and scaler
b) **Vector and Raster** d) Tiff and png

11. Which of the following contains visible and hidden tools?
a) Image window b) **Menu bar** c) Toolbox d) Option bar
12. RGB is the color combination of
a) Red green black c) **Red green blue**
b) Red green brown d) None of the above
13. PPI means
a) Parts per inches c) **Pixels per inches**
b) Photoshop pixel image d) Photoshop printing image
14. Creating an exact copy of a layer is
a) Cloning b) Merging c) Masking d) **Duplicating**
15. Which one of the following creates tiny horizontal lines in the image to show a wind effect?
a) Stagger b) Blast c) **Wind** d) Artistic
16. 'Magic wand' in a Photoshop
a) Enables you to make a rectangular or elliptical selection in an image
b) Enables you to draw straight edged and freehand segments of a selection border
c) Enables you to select path segments and path components in an image
d) **Enables you to select a consistently colored area without tracing its outline by hand**
17. The measure of distinction between two colors and saturation denotes the purity of a color is
a) **Hue** b) balancing c) Aliasing d) Tolerance
18. In a Photoshop which one is used to change the foreground and background of a sample of an image?
a) Color sampler b) **Eyedropper** c) gradient d) Dodge
19. In order to hide a layer, which one of the icon has to be selected?
a) **Eye icon** b) Hand icon c) Lock icon d) Key icon
20. Alpha channel represents store selections of how many bit gray scale images
a) 1 bit b) 4 bit c) **8 bit** d) 32 bit
21. Which one of the following adds low frequency details and produce a hazy effect?
a) **Gaussian blur** c) Blur more
b) Motion blur d) Radial blur
22. Graphic package used to create, edit and modify images is
a) Graphics b) Toolbox c) **Photoshop** d) Palettes
23. Tile filter breaks up an image into
a) Cube b) Triangle c) Circle d) **Squares**
24. Which one of the following filter adds degrees of wig lines to an image?
a) Distort filter c) Glass filter
b) Destructive filter d) **Ripple filter**
25. Motion blur enables you to specify a direction of movement an angle between
a) -120^0 to $+120^0$ c) **-360^0 to $+360^0$**
b) -180^0 to $+180^0$ d) -30^0 to $+30^0$
26. The following selection tools enables you to draw straight-edged and freehand segments of a selection border to select an image
a) Path selection b) Shape c) **Lasso** d) Gradient
27. PNG stands for
a) Photoshop network graphics c) **Portable network graphic**
b) Pixel null gray d) Photoshop network group
28. The raster image are display on the monitor with a resolution of
a) **72 to 96 ppi** c) 80 to 102 ppi
b) 32 to 64 ppi d) 40 to 96 ppi
29. A set of painting tools that allows to distort pixels and transform areas of an image is
a) Render filter c) Lens flare filter
b) **Liquify filter** d) Cloud filter
30. The process of converting a vector image into a raster image is called
a) Smudging b) Cloning c) **Rasterizing** d) Dragging
31. Which one of the following enables you to modify color saturation of an area?
a) **Sponge** b) Gradient c) Smudge d) Dodge
32. An image can consist of up to how many channels?
a) 55 b) **24** c) 32 d) 16
33. The brightness slider enables you to adjust brightness from
a) 10% - 300% c) 100% - 200%
b) 10% - 270% d) 15% - 150%
34. Which one of the following is image editing software?
a) **Image ready** c) Adobe reader
b) Microsoft word d) Mat lab
35. Which one of the following enables you to erase a portion of image?
a) **Eraser** b) Magic wand c) Gradient d) Lasso

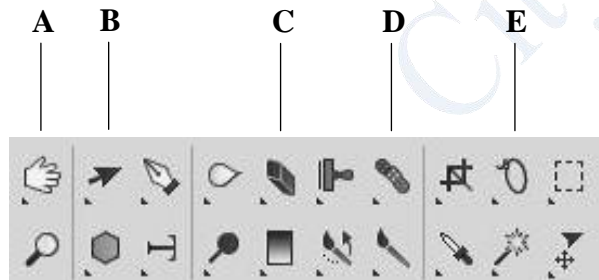
MIZORAM STATE COUNCIL FOR TECHNICAL EDUCATION
Diploma Course Examination, June 2019
Semester-I, Diploma in Computer Application
Subject : Computer Graphics (DCA-105)

SET - B

A. Choose the correct answer (1X40=40)

32. Label D in the figure represent
 - a) Blur
 - b) Dodge tools
 - c) **Healing brush**
 - d) Slice
33. Creating an exact copy of a layer is
 - a) Cloning
 - b) **Duplicating**
 - c) Merging
 - d) Masking
34. Permanent mask can be created by sorting in which channel?
 - a) Palette
 - b) Mask
 - c) alpha
 - d) gray
35. PNG stand for
 - a) **Portable Network Graphic**
 - b) Photoshop Network Group
 - c) Photoshop Network Graphic
 - d) Pixel Null gray
36. Label E in the figure represent
 - a) Move
 - b) **Lasso tool**
 - c) Dodge tool
 - d) Zoom
37. ppi means
 - a) **Pixels Per Inches**
 - b) Photo Printing Image
 - c) Parts per inches
 - d) Photoshop pixel image
38. Label B in the figure represent
 - a) Crop
 - b) **Path selection**
 - c) Slice
 - d) Zoom
39. Which of the following contains visible and hidden tools?
 - a) **Toolbox**
 - b) Option bar
 - c) **Image window**
 - d) Menu bar
40. Which one of the following is not a selection tools?
 - a) Path selection
 - b) Magic wand
 - c) **Smudge**
 - d) Lasso

Figure for Reference



1. Motion blur enables you to specify a direction of movement an angle between
 - a) **-360° to +360°**
 - b) -120° to +120°
 - c) -180° to +180°
 - d) -30° to +30°
2. RGB is the color combination of
 - a) **Red Green Blue**
 - b) None of these
 - c) Red Green Black
 - d) Red Green Brown
3. Channels that store spot colors in an image is
 - a) Color channel
 - b) Image channel
 - c) **Spot channel**
 - d) Store channel
4. 'Magic wand' in a Photoshop
 - a) enables you make a rectangular or elliptical selection in an image
 - b) **enables you to select a consistently colored area without tracing its outline by hand**
 - c) enables you to draw straight edged and freehand segments of a selections border
 - d) enables you to select path segments and path components in an image
5. Which one of the following adds low frequency details and produce a hazy effect?
 - a) Blur more
 - b) Radial blur
 - c) **Gaussian blur**
 - d) Motion blur
6. To protect parts of layer from being edited is
 - a) Masking
 - b) Grouping
 - c) Layering
 - d) **Locking**
7. 'Save as'
 - a) Allows you to save a file with a file name
 - b) Allows you to save the current opened file without providing a filename
 - c) **Both (a) and (b)**
 - d) None of the above

8. Which one of the following enables you to view the tonal and color information about an image
 - a) History
 - b) Swatches
 - c) **Histogram**
 - d) Styles
9. The following selection tools enables you to draw straight-edged and freehand segment of a selection border to select an image
 - a) **Lasso**
 - b) Gradient
 - c) Path selection
 - d) Shape
10. Small dots of individual colors that appear on the screen is
 - a) **Pixels**
 - b) Dots
 - c) Image
 - d) Picture
11. A set of painting tools that allow to distort pixels and transform areas of an image is
 - a) Render filter
 - b) **Cloud filter**
 - c) Lens flare filter
 - d) **Liquify filter**
12. The raster image are display on the monitor with a resolution of
 - a) 80 to 102 ppi
 - b) 40 to 96 ppi
 - c) **72 to 96 ppi**
 - d) 32 to 64 ppi
13. In order to hide a layer, which one of the icon has to be selected?
 - a) Lock icon
 - b) Key icon
 - c) **Eye icon**
 - d) Hand icon
14. Creating a layer set of an image refers to?
 - a) Image layering
 - b) **Setting**
 - c) Masking
 - d) **Grouping**
15. The measure of distinction between two colors and saturation denotes the purity of a color is
 - a) Aliasing
 - b) Tolerance
 - c) **Hue**
 - d) Balancing
16. The tools move pixels at 90 degrees angle to the way you move through the brush is?
 - a) Reflect tool
 - b) Twirl tool
 - c) **Shift pixel**
 - d) Bloat tool
17. Graphic package used to create, edit and modify images is
 - a) **Photoshop**
 - b) palettes
 - c) Graphics
 - d) Toolbox
18. Alpha channel represents store selections of how many bit gray scale images
 - a) **8 bit**
 - b) 32 bit
 - c) 1 bit
 - d) 4 bit
19. Render filter creates which shape of the following?
 - a) **3D**
 - b) 7D
 - c) 5D
 - d) 1D
20. Which one of the following creates tiny horizontal lines in the image to show a wind effect?
 - a) Wind
 - b) Artistic
 - c) Stagger
 - d) Blast
21. Which one of the following filter adds degrees of wiggleness to an image?
 - a) Distort filter
 - b) **Ripple filter**
 - c) Destructive filter
 - d) Glass filter
22. The filter which makes the image look as if it were under water is
 - a) Sparkle ripple
 - b) Mosaic
 - c) **Ocean ripple**
 - d) Wave ripple
23. The process of converting a vector image into a raster image is
 - a) **Rasterizing**
 - b) Dragging
 - c) Smudging
 - d) Cloning
24. Which one of the following enables you to modify color, saturation of an area?
 - a) Smudge
 - b) Dodge
 - c) **Sponge**
 - d) Gradient
25. Tile filter breaks up an image into
 - a) Cube
 - b) **Square**
 - c) Triangle
 - d) Circle
26. Label A in the figure represent
 - a) **Hand tool**
 - b) Magic wand
 - c) Move
 - d) Slice
27. In a Photoshop which one is used to change the foreground and background of a sample of an image?
 - a) Color sample
 - b) gradient
 - c) Dodge
 - d) **Eyedropper**
28. the images supported by Photoshop are
 - a) Raster and JPEG
 - b) Vector and scaler
 - c) TIFF and png
 - d) **Vector and Raster**
29. Label C in the figure represent
 - a) Zoom
 - b) Healing brush
 - c) **Eraser**
 - d) None of the above
30. Which of the following in a Photoshop that enables you to copy pixels and repair an image?
 - a) Gradient
 - b) **Cloning**
 - c) Smudge
 - d) Dodge
31. Which one of the following is NOT include in Artistic filter?
 - a) Neon glow
 - b) Plastic wrap
 - c) **Brush stroke**
 - d) Film gray