KERALA STATE RUTRONIX
AUTOCAD LEVEL – II (3D) & Photoshop
(PDCAD)

Time: 2 hours   **Maximum Marks: 100**
Note: Write the answers for Questions from 1 to 40 in the MCQ answer sheet

Part - I Choose the most appropriate answer   **(20 x 1 Mark = 20 Marks)**

1) Which is not a valid option for the UCS command?
   a) Save   b) Random   c) 3 Point   d) Next

2) Which is the default coordinate system when starting a new drawing?
   a) UCS   b) XYZ   c) WCS   d) There isn't one

3) How many sides does a Wedge have?
   a) 4   b) 5   c) 6   d) Depends on how you draw it

4) Which command is not a Boolean Operation?
   a) Union   b) Subtract   c) Join   d) Intersect

5) To rotate an object in 3-D space …………… command is used.
   a) Rotate   b) 3Drotate   c) Rotate3D   d) Both a and b

6) The Extrude command creates a ……………
   a) Solid   b) Wireframe model   c) Region   d) Thick & Stroke

7) In Photoshop, '**Dodge**' tool used to ……………
   a) Remove scratches   b) Darken excessively bright images
   c) Change the color of a selected portion   d) Lighten unnecessarily dark portion of an image

8) Duplicate option is under …………… menu in Photoshop.
   a) Layer   b) Image   c) View   d) Edit

9) In Photoshop, …………… tool is used to erase pixels from similar colored area.
   a) Eraser   b) Magic eraser   c) Stamp eraser   d) None of these

10) **Flatten image** comes under …………… menu in Photoshop.
    a) Edit   b) Image   c) Layer   d) Filter

11) Mask option is under …………… menu in Photoshop.
    a) Layer   b) Image   c) Edit   d) Filter

12) (CCCCCC) represent …………… color.
    a) Grey   b) Yellow   c) Red   d) Pink

13) Which axis will you use in 3-D that is not used in 2-D?
    a) X   b) Y   c) Z   d) None of these

14) Which is not a valid option for mapping Projection?
    a) Cylindrical   b) Spherical   c) Resize   d) Solid

15) In Photoshop, Full screen mode is toggled using …………… key.
    a) S   b) W   c) F   d) A

16) The '**slice**' tool of Photoshop is very useful for ……………
    a) Designing Artwork   b) Designing Brochure
    c) Designing Web pages   d) Retouching old photographs

17) To switch isoplanes, …………… key is used.
    a) "F3" b) "F4"   c) "F5"   d) "F6"

18) The fillet command creates ……………
    a) Sharp corners   b) Round corners   c) Circles   d) All of these

19) Which is not a valid Zoom options?
    a) Zoom Extents   b) Zoom Previous   c) Zoom Next   d) Zoom Window

20) A CMYK printer combines the four colours of Cyan, Magenta, Yellow and ……………
    a) Green   b) Blue   c) Black   d) Khaki

Part - II Fill in the Blanks.   **(20 x 1 Mark = 20 Marks)**

21) In AutoCAD, …………… number of tiled viewports are in a new drawing

22) In AutoCAD, …………… command is used to draw a circle in isometric drafting

23) …………… is the file extension for AutoCAD template files.

24) In AutoCAD, …………… Osnap is indicated by a diamond.

25) In AutoCAD, there are …………… number of snap points in a circle.

26) …………… layer is locked by default in Photoshop.

27) Photoshop has …………… types of gradient.

28) In AutoCAD, …………… shortcut key is used to repeat last command.

29) …………… key is used to link two different layers in Photoshop.

30) In Photoshop, …………… and …………… tools have tolerance option.

31) The size of A4 sheet is …………… x …………… mm.

32) 144 points = …………… inch.

33) The short cut key CTRL+SHIFT+N is used for …………… in Photoshop

34) …………… tool helps to select a consistently colored area in Photoshop.

35) …………… is the short cut key for free transform in Photoshop.

36) In AutoCAD, ………… command creates multiple viewports in model space or paper space.

37) In AutoCAD, ………… command controls the interactive viewing of objects in 3D.

38) In AutoCAD, ………… command selects a specific region (crop window) in an image for rendering.

39) In AutoCAD, ………… command creates a 3D polyline.

40) In AutoCAD, ………… command edits polylines and 3D polygon meshes.

Part - III Write the commands for the following in AUTOCAD   **(10 x 2 Marks = 20 Marks)**

41) To create a free-form polygon mesh.

42) To regenerate a three-dimensional wireframe model with hidden lines suppressed.

43) To create a point light.

44) To edit faces and edges of 3D solid objects.

45) To change the visibility of three-dimensional face edges.

46) To create a 3D array.

47) To Zoom in and out in a perspective view.

48) To import a 3D Studio (3DS) file.

49) To create a 3D solid or surface by extruding a 2D object.

50) To align objects with other objects in 2D and 3D.

Part - IV With reference to **AutoCAD** Tool Box in the **Fig-A**, Mark the letters of the most appropriate callout in the answer sheet supplied.   **(15 x 1 Mark = 15 Marks)**
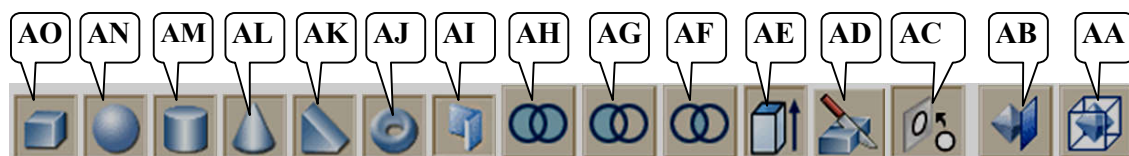
| AO | AN | AM | AL | AK | AJ | AI | AH | AG | AF | AE | AD | AC | AB | AA |

Fig:A

51) Sphere	56) Box Mapping	61) Subtract
52) Wedge	57) Planar Mapping	62) Extrude face
53) Cylinder	58) Cone	63) Polysolid
54) 3D ALIGN	59) Torus	64) Union
55) Slice	60) Box	65) Intersect

Part - V Give Expansion of the following   **(10 x 1 Mark = 10 Marks)**

66) PDF   71) EPS

67) BMP   72) PNG

68) 3DS   73) JPEG

69) JPG   74) GIF

70) PSD   75) MPEG

Part - VI With reference to **Photoshop** Tool Box In the **Fig-B**, Mark the letters of the most appropriate callout in the answer sheet supplied.   **(15 x 1 Mark = 15 Marks)**

76) To fill gradients

77) Moves selections, layers, and guides

78) To change anchor's placement in a path

79) The Smudge tool

80) To navigate in an image

81) To make freehand selections

82) To select color from an image

83) To draw round edged rectangle or square

84) To delete anchor points from a path

85) To clone and duplicate the selected area

86) To paint hard-edged stroke

87) To crop an image

88) To select similarly colored areas

89) To repair pixels by blending them seamlessly

90) To type text in horizontal way

Fig:B