

## Engineering Drawing\_Past Question Collection II

1. These drawings are given to contractors to perform work of manufacture individual part..... [सुदूरपश्चिम प्रदेश सिभिल समूह, चौथो तह 2080/06/27]

- A. assembly details
- B. working drawing
- C. 3D drawing
- D. skeleton assemblies

Correct Answer: B

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2. The edge of drawing board weight is square is made to slide is called..... [सुदूरपश्चिम प्रदेश सिभिल समूह, चौथो तह 2080/06/27]

- A. sliding edge
- B. working edge
- C. fixing edge
- D. measuring edge

Correct Answer: B

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3. A scale of 1":16' is equal to..... [सुदूरपश्चिम प्रदेश सिभिल समूह, चौथो तह 2080/06/27]

- A. 1:100
- B. 1:160
- C. 1:192
- D. 1:200

Correct Answer: C

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4. Which of the following tools is used to draw horizontal lines? [सुदूरपश्चिम

प्रदेश सिभिल समूह, चौथो तह 2080/06/27]

- A. T- square
- B. protector
- C. French curve
- D. compass

**Correct Answer: A**

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5. The size of A2 paper is..... [सुदूरपश्चिम प्रदेश सिभिल समूह, चौथो तह 2080/06/27]

- A. 210×300 mm
- B. 300×400 mm
- C. 420×594 mm
- D. 841×1190 mm

**Correct Answer: C**

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6. The set of technical drawing used during the construction of building or any other civil structures are called..... [सुदूरपश्चिम प्रदेश बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचो तह 2080/04/27]

- A. conceptual drawing
- B. structural drawing
- C. Municipal drawing
- D. the working drawing

**Correct Answer: D**

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7. What is the system to locate a point by its distance and angle of the co-ordinate systems..... [सुदूरपश्चिम प्रदेश बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचो तह 2080/04/27]

- A. cartesian co-ordinate
- B. polar co-ordinate
- C. relative co-ordinate
- D. absolute co-ordinate

**Correct Answer: B**

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8. The drawing that reflect as constructed condition of a project work is called..... [सुदूरपश्चिम प्रदेश बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचो तह 2080/04/27]

- A. as contract drawing
- B. shop drawing
- C. structure drawing
- D. as built drawing

**Correct Answer: D**

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9. A plan is conventionally cut at the..... [सुदूरपश्चिम प्रदेश बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचो तह 2080/04/27]

- A. roof level
- B. floor label
- C. plinth level
- D. Windows sill level

**Correct Answer: D**

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10. The representative fraction RF for a scale of 1cm=5 km is..... [सुदूरपश्चिम प्रदेश बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचो तह 2080/04/27]

- A. 1/500
- B. 1/500000
- C. 1/50000

D. 1/5000

Correct Answer: B

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11. The drawing a residential building for Municipal permit is done at scale..... [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

A. 1"= 8'

B. 1:5

C. 1:100

D. 1:200

Correct Answer: A

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12. What is the size of A3 paper? [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

A. 594mm×841 mm

B. 420 mm×597 mm

C. 297 mm×420 mm

D. 210 mm×297 mm

Correct Answer: C

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13. The top view of a circular disc inclined to horizontal plane HP and parallel to vertical plane VP is.... [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

A. a circle

B. a line

C. an ellipse

D. a point

Correct Answer: C

14. T- square is used to draw..... [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

- A. vertical lines
- B. horizontal lines
- C. inclined lines
- D. none of the above

Correct Answer: B

15. The angle between isometric Axis is..... [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

- A. 30°
- B. 60°
- C. 90°
- D. 120°

Correct Answer: D

16. The main purpose of as built drawing is..... [सुदूरपश्चिम प्रदेश बिल्डिंग आर्किटेक्ट उपसमूह पाँचौं तह 2079/09/02]

- A. maintenance of service work
- B. for dimensioning
- C. site layout work
- D. all of the above

Correct Answer: A

17. Free hand sketch is normally used for..... [कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. concept
- B. final
- C. discussion
- D. none of the above

**Correct Answer: A**

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18. The scale of a drawing is given as 1:20 what is the representative fraction? [कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. 20
- B. 1/20
- C. 0.5
- D. 0.02

**Correct Answer: B**

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19. Compass is used for..... [कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. angle measurement
- B. distance measurement
- C. both a and b
- D. none of the above

**Correct Answer: A**

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20. Which is the largest scale? [कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. 1:10

- B. 1:100
- C. 1:1000
- D. 1:500

**Correct Answer: A**

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21. In an engineering drawing the dimension of circle is denoted by.....

[कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. circumference of the circle
- B. radius
- C. angle of an arc subtended at each surface
- D. length of each one fourth arc

**Correct Answer: B**

Explanation:

In an engineering drawing, the dimension of a circle is typically denoted by its diameter. The diameter is twice the radius of the circle. So, none of the options provided directly represents the dimension of a circle in an engineering drawing. However, if we had to choose the closest option, it would be (b) radius. Although the radius itself is not typically used as the dimension of the circle in an engineering drawing, it is closely related to the dimension (diameter) usually indicated.

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22. The top view of a spherical football is..... [कर्णाली प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/01/23]

- A. circle
- B. rectangle
- C. sphere
- D. ellipsoidal

**Correct Answer: A**

23. The drawing made one fourth of the actual size is..... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. 1:2
- B. 1:3
- C. 1:4
- D. 1:1.5

Correct Answer: C

24. Working drawing is prepared not for..... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. layout
- B. specification
- C. bill of quantities
- D. estimation

Correct Answer: B

25. Find the RF for scale 1 cm= 2 km... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. 1/200
- B. 1/2000
- C. 1/20000
- D. 1/200000

Correct Answer: D

26. When only one drawing is to be made then its position should be..... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. right side of paper
- B. left side of paper
- C. center of paper
- D. upper side of paper

**Correct Answer: C**

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27. The internal angle of regular hexagon is.....degree [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. 108
- B. 120
- C. 72
- D. 150

**Correct Answer: B**

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28. Construction lines are drawn for..... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. construction figures
- B. construction on ground
- C. both a and b
- D. none of the above

**Correct Answer: C**

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29. Measured drawing is normally prepared..... [कर्णाली प्रदेश इन्जिनियरिङ सेवा, सिभिल समूह, सहायकस्तर चौथो तह 2079/03/22]

- A. after awarding contract
- B. after completing design
- C. of an existing building object

D. none of the above

**Correct Answer: C**

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30. As build drawing are prepared..... [लुम्बिनी प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/03/16]

- A. before construction
- B. simultaneously with construction
- C. after construction
- D. all of the above

**Correct Answer: C**

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31. Drawing used in construction site are known as.... [लुम्बिनी प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/03/16]

- A. as built drawing
- B. construction drawing
- C. site drawing
- D. working drawings

**Correct Answer: D**

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32. What is the dimension of standard A3 size paper? [लुम्बिनी प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/03/16]

- A. 148 mm×210 mm
- B. 297 mm×420 mm
- C. 210 mm×297 mm
- D. 105 mm×148 mm

**Correct Answer: B**

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33. Dimension lines and projection line in the drawing are shown by.....

[लुम्बिनी प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/03/16]

- A. dotted thin line
- B. continuous thin line
- C. continuous thick line
- D. zigzag thin line

Correct Answer: B

34. The projection of any feature on the horizontal plane is called.....

[लुम्बिनी प्रदेश सिभिल समूह, सहायकस्तर चौथो तह 2080/03/16]

- A. plan
- B. elevation
- C. map
- D. all of the above

Correct Answer: A

35. Which pencil is used for making shadows by artists? [लुम्बिनी प्रदेश बिल्डिंग एन्ड अर्किटेक्ट उपसमूह 2079/12/20]

- A. F
- B. 3 H
- C. H
- D. 2 B

Correct Answer: D

36. In an isometric sketch of a cube..... [लुम्बिनी प्रदेश बिल्डिंग एन्ड अर्किटेक्ट उपसमूह 2079/12/20]

- A. the frontal face appears in its true space
- B. The receding excess are at 45 degree to the horizontal
- C. all the faces are equally distorted
- D. only the depth distance must be reduced

**Correct Answer: C**

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**37. The building construction industry lies on sets of..... drawing to construct homes and commercial buildings. [लुम्बिनी प्रदेश बिल्डिंग एन्ड अर्किटेक्ट उपसमूह 2079/12/20]**

- A. mechanical
- B. isometric
- C. architectural working
- D. all of the above

**Correct Answer: C**

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**38. Which type of section is not in direct projection from the views containing the cutting plane? [लुम्बिनी प्रदेश बिल्डिंग एन्ड अर्किटेक्ट उपसमूह 2079/12/20]**

- A. revolved section
- B. removed section
- C. broken out section
- D. full section

**Correct Answer: B**

Explanation:

Removed Section: This section shows a specific internal detail of the object. The removed section is depicted elsewhere in the drawing, separate from the main view, and referenced with a label indicating the cutting plane location. Because it's positioned away from the original view, it's not directly projected.

39. Which of the following is reducing scale? [लुम्बिनी प्रदेश बिल्डिंग एन्ड अर्किटेक्ट उपसमूह 2079/12/20]

- A. 10:1
- B. 10:2
- C. 0.5:1
- D. 2:1

Correct Answer: C

40. Which of the following is not a drawing hand tool? [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह, असिस्टेन्ट सब इन्जिनियर 2078/12/26]

- A. French curve
- B. straight edge
- C. alidade
- D. set square

Correct Answer: C

41. The projection of any object on the horizontal plane is called.... [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह, असिस्टेन्ट सब इन्जिनियर 2078/12/26]

- A. section
- B. elevation
- C. plan
- D. all of these

Correct Answer: C

42. The ratio of the length of the drawing of a object to the actual length of the object is called..... [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह, असिस्टेन्ट सब इन्जिनियर 2078/12/26]

- A. resulting fraction
- B. representatives figure
- C. representative fraction
- D. representative index

**Correct Answer: C**

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43. The main purpose of as built drawing is..... [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह, असिस्टेन्ट सब इन्जिनियर 2078/12/26]

- A. maintenance of service work
- B. dimensioning
- C. profession
- D. to award tender

**Correct Answer: A**

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44. A circle will appear on a isometric drawing as a (n)..... [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह, असिस्टेन्ट सब इन्जिनियर 2078/12/26]

- A. ellipse
- B. cycloid
- C. circle
- D. parabola

**Correct Answer: A**

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45. In orthographic projection the inclined other than  $90^\circ$  is called..... [इन्जिनियरिड सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचौं तह 2077/12/09]

- A. auxiliary plane
- B. profile plane
- C. reference plane

D. auxiliary vertical plane

**Correct Answer: A**

Explanation:

In orthographic projection, the inclined plane other than  $90^\circ$  is referred to as the auxiliary plane. This auxiliary plane is used to project features of three-dimensional objects onto a two-dimensional drawing. When creating orthographic projections, we often work with multiple planes (such as the front view, top view, and side views) to accurately represent the object's shape and dimensions.

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46. Working drawing are prepared for..... [इन्जिनियरिड सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचौं तह 2077/12/09]

- A. to show the client
- B. to understand the scale
- C. to construct
- D. none of the above

**Correct Answer: C**

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with Ghoksewa

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47. The view actually appears to observe when viewed from fixed position is called..... [इन्जिनियरिड सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचौं तह 2077/12/09]

- A. oblique view
- B. isometric view
- C. perspective view
- D. orthographic

**Correct Answer: C**

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48. To draw very light line which pencil is used..... [इन्जिनियरिड सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचौं तह 2077/12/09]

- A. B
- B. HB
- C. H
- D. 2H

Correct Answer: D

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49. Generally scale used for preparation of working drawing is.....  
[इन्जिनियरिड सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह पाँचौं तह 2077/12/09]

- A. 1:1000
- B. 1:250
- C. 1:200
- D. 1:100

Correct Answer: D

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50. Which of the following represent reducing scale..... [इन्जिनियरिड सेवा, CIVIL समूह, चौथो तह, असिस्टेन्ट्स सब इन्जिनियर 2077/10/25]

- A. 1:1
- B. 1:2
- C. 2:1
- D. 10:1

Correct Answer: B

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51. In a working drawing which type of dimension is used..... [इन्जिनियरिड सेवा, CIVIL समूह, चौथो तह, असिस्टेन्ट्स सब इन्जिनियर 2077/10/25]

- A. element to element
- B. Center to center
- C. overall dimension
- D. all of the above

**Correct Answer: D**

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**52. The following line is used for dimension line.... [इन्जिनियरिड सेवा, CIVIL समूह, चौथो तह, असिस्टेन्ट्स सब इन्जिनियर 2077/10/25]**

- A. continuous thick
- B. continuous thin
- C. chain thin line
- D. short zigzag line

**Correct Answer: B**

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**53. The following is not included in title block of a drawing sheet.... [इन्जिनियरिड सेवा, CIVIL समूह, चौथो तह, असिस्टेन्ट्स सब इन्जिनियर 2077/10/25]**

- A. sheet no
- B. scale
- C. method of projection
- D. size of the sheet

**Correct Answer: D**

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**54. Matching line is a line which makes an angle of 45 degree with the.... [इन्जिनियरिड सेवा, सिभिल समूह, चौथो तह 2077/10/19]**

- A. main line of the section
- B. horizontal line
- C. vertical line

D. all of the above

**Correct Answer: B**

Explanation:

Section line or hatching line: It is a thin continuous line and is used for the purpose of sectioning an object. These lines are drawn to make the section evident. It is drawn at an angle of  $45^\circ$  to the horizontal line and is spaced uniformly from 2 to 4 mm apart depending upon the size of the object.

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**55. The site plan illustrated.... [इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2077/10/19]**

- A. floor plan
- B. where the house sits on the property
- C. roof plan
- D. garage and open space

**Correct Answer: B**

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**56. The dotted line represents.... [इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2077/10/19]**

- A. hidden edges
- B. projection line
- C. Center line
- D. hatching line

**Correct Answer: A**

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**57. The primary unit of engineering drawing in civil engineering is.. [इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2077/10/19]**

- A. millimeter
- B. meter
- C. foot
- D. all of the above

**Correct Answer: A**

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58. Which pencil gives the lighter tone..... [सिभिल समूह, बिल्डिंग आर्किटेक उपसमूह सहायक पाँचौ तह 2079/11/27]

- A. HB
- B. 2B
- C. H
- D. B

**Correct Answer: C**

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59. In architectural floor plans dotted line represents..... [सिभिल समूह, बिल्डिंग आर्किटेक उपसमूह सहायक पाँचौ तह 2079/11/27]

- A. hidden lines
- B. construction lines
- C. Centre line
- D. imaginary line

**Correct Answer: A**

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60. HB in pencil stands for.... [सिभिल समूह, बिल्डिंग आर्किटेक उपसमूह सहायक पाँचौ तह 2079/11/27]

- A. heavy black
- B. half black
- C. hue black

D. hard black

**Correct Answer: D**

Explanation:

HB = Hard Black; B = Black; H = Hard; F = Faint

The grades run from 9H, the softest and lightest lead, through to 9B which is the darkest lead.

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**61. Which of the following does not use the parallel projection technique in pictorial projections? [सिभिल समूह, बिल्डिंग आर्किटेक उपसमूह सहायक पाँचौ तह 2079/11/27]**

- A. perspective projection
- B. oblique projection
- C. isometric projection
- D. axonometric projection

**Correct Answer: A**

Explanation:

Perspective projection: Near objects look larger than far one.

- i) One point perspective: one vanishing point
- ii) Two point perspective: two vanishing points
- iii) Three point perspective: three vanishing points

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**62. Standard dimension of A3 paper size is.... [सिभिल समूह, बिल्डिंग आर्किटेक उपसमूह सहायक पाँचौ तह 2079/11/27]**

- A. 420×297
- B. 841×594

C.  $297 \times 210$

D.  $594 \times 420$

**Correct Answer: A**

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**63. The main purpose of as built drawing is... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]**

A. dimensioning

B. maintenance of service work

C. profession

D. to include in bid document

**Correct Answer: B**

---

**64. Working drawing is one of the important used.... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]**

A. directly in the field

B. for the consultation with the client

C. in the office as a reference

D. as a basis for future designing

**Correct Answer: A**

---

**65. Which of the following is generally not intended while making sketch? [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]**

A. a preliminary product

B. a quick way to record data

C. the final look of the product

D. free hand sketching

**Correct Answer: C**

66. In case of aligned method of dimensioning they can be read from... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]

- A. bottom and right side of drawing sheet
- B. bottom and left of drawing sheet
- C. all side of the drawing sheet
- D. bottom side of the drawing sheet

Correct Answer: A

---

67. Which one of the following gives detailed in drawing? [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]

- A. plan
- B. section
- C. elevation
- D. visual

Correct Answer: B

---

68. Scales are used to... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]

- A. prepare enlarged size drawing
- B. prepare reduced size drawing
- C. major distance directly
- D. all of the above

Correct Answer: D

---

69. In orthographic projection the line of sight and plane of projection are.... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]

- A. vertical
- B. parallel
- C. horizontal
- D. perpendicular

**Correct Answer: D**

---

70. Working drawing is prepared NOT for.... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. Bill of quantities
- B. estimation
- C. layout
- D. specification

**Correct Answer: D**

---

71. Which off the following represent reducing scale? [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. 1:1
- B. 1:2
- C. 2:1
- D. 10:1

**Correct Answer: B**

---

72. Reinforcement details are shown in which type of working drawings... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. architectural
- B. structural
- C. sanitary

D. interior design

**Correct Answer: B**

---

73. Circle of small radii are drawn by means of a... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. setsquare
- B. bow compass
- C. divider
- D. straight bar

**Correct Answer: B**

---

74. In the first angle projection the object is assumed to be place in... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. first quadrant
- B. second quadrant
- C. third quadrant
- D. fourth quadrant

**Correct Answer: A**

---

75. these types of projectors Converge at a vanishing point.... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. perspective
- B. parallel
- C. orthographic
- D. oblique

**Correct Answer: A**

---

76. the study and practice of making maps is... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, बिल्डिंग एन्ड आर्किटेक्ट उपसमूह 2075/01/23]

- A. cardiography
- B. chemography
- C. calligraphy
- D. cartography

Correct Answer: D

---

77. Chain thin line denotes in.....engineering drawing [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. a Centre line
- B. outer line
- C. outlines of adjacent parts
- D. a cross section

Correct Answer: A

---

78. Orthographic projection represents three dimensional object in.... [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. One dimension
- B. two dimension
- C. three dimension
- D. all of the above

Correct Answer: B

---

79. The shape of scales are... [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. flat and triangular
- B. flat and Square
- C. flat and rectangular
- D. flat and hexagonal

**Correct Answer: A**

---

80. The size of A1 format paper is... [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. 594 841mm
- B. 841 1189mm
- C. 420 594mm
- D. 297 420mm

**Correct Answer: A**

---

81. zero point prespective is also known as.... [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. elevation
- B. isometric graphics
- C. section
- D. none of the above

**Correct Answer: A**

---

82. 1 hectare equals to.... [स्थानीय सरकारी सेवा अन्तर्गत इन्जिनियरिङ सेवा, सिभिल समूहसहायकस्तर चौथो तह 2080/01/23]

- A. 100
- B. 1000
- C. 10000

D. 100000

Correct Answer: C

---

83. The actual length of a line in field and drawing are 100 meters and 5 cm respectively find the scale..... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. 1:2000
- B. 1:20
- C. 1:200
- D. 1:20000

Correct Answer: A

---

84. The angle which we can't make using both the set squares is the degrees.... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. 15
- B. 105
- C. 125
- D. 165

Correct Answer: C

---

85. Vertical lines are drawn..... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. top to down
- B. bottom to up
- C. both a and b
- D. none of the above

Correct Answer: C

86. In an engineering drawing representative fraction is the.... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. ratio of actual length to the length in drawing
- B. ratio of length in drawing to actual length
- C. reciprocal of actual length
- D. square of the length in drawing

Correct Answer: B

---

87. In aligned system of dimensioning, the dimension may be read from..... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. bottom to right hand edges
- B. bottom to left hand edges
- C. only from bottom
- D. only from left side

Correct Answer: A

---

88. What is the standard length and width of the arrowhead of dimension lines? [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. bottom or right hand edges
- B. bottom or left hand edges
- C. only from bottom
- D. only from left side

Correct Answer: B

---

89. The dimension line is generally at the middle..... [कर्मचारी सञ्चय कोष, प्राविधिक, इन्जिनियरिङ, पाँचौ 2078/12/07]

- A. a thin line and broken
- B. a thick line and broken
- C. a thick line and solid
- D. a thin line and continuous

**Correct Answer: D**

---

90. The representative factor is 0.02 the actual length is 50 cm the length of drawing is.... [नेपाल प्रहरी, इन्जिनियरिङ्ग, सिभिल, बिल्डिङ, प्राविधिक प्रहरीनायक निरीक्षक 2078/09/26]

- A. 10cm
- B. 5cm
- C. 0.25cm
- D. 10 mm

**Correct Answer: D**

---

91. The..... line is used for visible outlines [नेपाल प्रहरी, इन्जिनियरिङ्ग, सिभिल, बिल्डिङ, प्राविधिक प्रहरीनायक निरीक्षक 2078/09/26]

- A. continuous thick
- B. continuous thin
- C. change thin line
- D. short zigzag thin

**Correct Answer: A**

---

92. .... not included in the title block of drawing sheet [नेपाल प्रहरी, इन्जिनियरिङ्ग, सिभिल, बिल्डिङ, प्राविधिक प्रहरीनायक निरीक्षक 2078/09/26]

- A. sheet no
- B. scale

- C. method of projection
- D. size of sheet

**Correct Answer: D**

---

93. The measurement of standard A2 size drawing sheet in mm is..... [नेपाल प्रहरी, इन्जिनियरिङ्ग, सिभिल, बिल्डिङ्ग, प्राविधिक प्रहरीनायक निरीक्षक 2078/09/26]

- A. 594×891
- B. 297×420
- C. 210×297
- D. 420×594

**Correct Answer: D**

---

94. The standard size of A4 size drawing sheet in mm..... [वैकल्पिक ऊर्जा प्रवर्द्धन केन्द्र, प्राविधिक, पाँचौ 2077/11/17]

- A. 210 148
- B. 297 210
- C. 420 297
- D. 564 420

**Correct Answer: B**

---

95. Before starting an isometric drawing in Auto CAD the drafter needs to..... [वैकल्पिक ऊर्जा प्रवर्द्धन केन्द्र, प्राविधिक, पाँचौ 2077/11/17]

- A. set the grid to isometric
- B. set to def points
- C. turn object snap off
- D. turn off the above

**Correct Answer: A**

96. Which of the following is an engineering drawing equipment? [काठमाडौं खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौं 2075/01/12]

- A. T- square
- B. Set Square
- C. compass
- D. all of the above

Correct Answer: D

---

97. Vertical lines are drawn..... [काठमाडौं खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौं 2075/01/12]

- A. top to bottom
- B. bottom to top
- C. both a and b
- D. none of above

Correct Answer: C

---

98. Architectural discipline is necessary only for..... [काठमाडौं खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौं 2075/01/12]

- A. building design
- B. bridge design
- C. planning process
- D. all of the above

Correct Answer: D

---

99. Which of the following is a reducing scale? [काठमाडौं खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौं 2075/01/12]

- A. 1:100
- B. 1:200
- C. 1:500
- D. all of the above

**Correct Answer: D**

---

100. Working drawing are also referred to as..... drawings [काठमाडौँ खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौँ 2075/01/12]

- A. a concept design
- B. design
- C. as built
- D. construction

**Correct Answer: D**

---

101. A map that show the types and intensities of different land used in particular area is called..... [काठमाडौँ खाध संस्थान, प्राविधिक, इन्जिनियरिङ, सिभिल, पाँचौँ 2075/01/12]

- A. Land Development map
- B. land use map
- C. land planning map
- D. none of the above

**Correct Answer: B**

---

102. Standard size of drawing board D1 is... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A. 1500×1000
- B. 1000×700

- C.  $700 \times 500$
- D.  $1000 \times 1200$

**Correct Answer: B**

---

103. The actual length of a line in field and the drawing are 100 M and 5 cm respectively find the scale of drawing..... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A. 1:2000
- B. 1:200
- C. 1:20
- D. 1:20000

**Correct Answer: A**

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104. If top front and side views of an object are circular the object is..... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A. rectangular block
- B. sphere
- C. circular plane
- D. none of the above

**Correct Answer: B**

---

105. The internal angle of a regular hexagon is.... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A.  $150^\circ$
- B.  $75^\circ$
- C.  $180^\circ$
- D.  $120^\circ$

Correct Answer: D

---

106. Which one is the enlarging scale of drawing? [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A. 1:1
- B. 2:1
- C. 1:2
- D. 1:10

Correct Answer: B

---

107. lines which are continuous thin lines and are drawn at an angle of 45 degree to the main outline of the section is called..... [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2078/08/20]

- A. dimensions line
- B. extension lines
- C. section lines
- D. visible outlines

Correct Answer: C

Explanation:

Hatching or Section Lines are continuous thin lines and generally drawn at an angle of 45° to the main outline of the section.

---

108. Which of the following pencil leads in the hardest? [स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]

- A. B

- B. H
- C. 4B
- D. 4H

**Correct Answer: D**

Explanation:

The letter "H" indicated the hardness and the letter "B" indicated the blackness of a pencil's mark. The Higher the number next to the 'H' harder the pencil lead. The Higher the number next to the 'B' softer the pencil lead

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**109. The arts of writing the various size or measurements on the finished drawing of an object is known as..... [स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]**

- A. measuring
- B. lettering
- C. scaling
- D. dimensioning

**Correct Answer: B**

---

**110. Which type of line is part of dimension in drawing? [स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]**

- A. extension lines
- B. break lines
- C. phantom lines
- D. cutting plane lines

**Correct Answer: A**

Explanation:

Dimensions lines are continuous thin line are terminated as the outer ends by pointed

arrow heads. Extension lines continuous thin lines extend by about 3mm beyond the dimension lines. Margin lines are continuous thick or wide lines along which the prints are trimmed.

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**111. Axonometric drawing are those drawing... [स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]**

- A. in which the object is drawn in three dimensions
- B. which are used extensively in artistic drawing
- C. which has complete description of its space
- D. all of the above

**Correct Answer: A**

---

**112. How many base units are in the international System of units? [स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]**

- A. 3
- B. 4
- C. 5
- D. 7

**Correct Answer: A**

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**113. To ensure that everyone understands what the symbols represent it is customary to include a...on the drawing sheet**

**[स्थानीय सरकारी सेवा अन्तर्गत प्राविधिक तर्फ इन्जिनियरिङ सेवा, सिभिल समूह, सहायक चौथो तह 2078/04/29]**

- A. list

- B. part number
- C. legend
- D. layer

**Correct Answer: C**

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114. A house in the Northern hemisphere the windows are position to achieve the best solar gain as well as sun protection in what direction are the windows facing? [नेपाल इन्जिनियरिङ सेवा, सिभिल समूह, विभिन्न उपसमूह 2075/01/23]

- A. north
- B. south
- C. East
- D. west

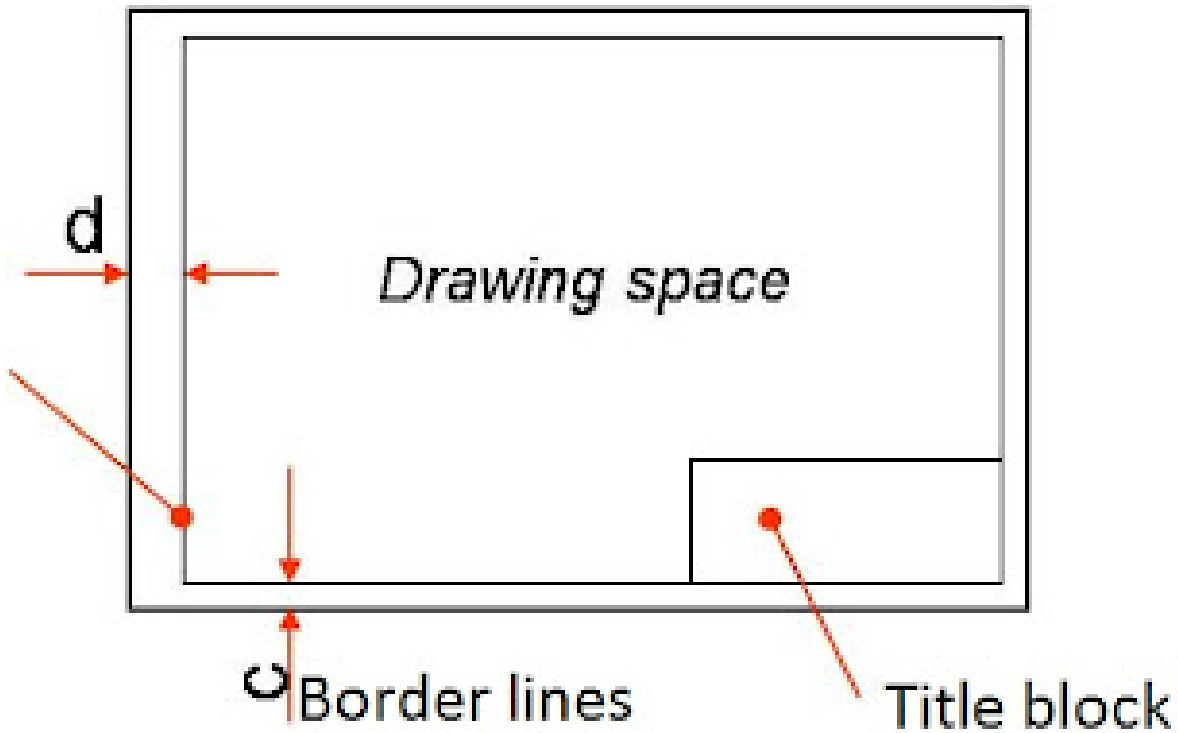
**Correct Answer: B**

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115. Working space on the drawing paper is determined by [इन्जिनियरिङ सेवा, सिभिल समूह, चौथो तह 2077/10/19]

- A. working line
- B. drawing line
- C. boarder line
- D. margin line

**Correct Answer: C**



Explanation:

The working space on the drawing paper is determined by the drawing sheet size and the margins (border lines) specified by standard drafting practices.