Model Question Paper 2021-22

चित्रकला (प्राविधिक)
Technical Drawing

Class XII

Time: 3 hours 15 minutes

Maximum Marks: 100

Note: - The first 15 minutes are allotted for the candidates to read the question paper.

Instructions: -

(i) Write your Roll No. in figures and in words legibly on the top right hand corner of the cover page and each of your drawing sheet get it signed by the Invigilator.

(ii) The whole question paper is divided into six sections. All sections are compulsory.

(iii) Rough work should be done on an ordinary white paper. Write your Roll No. on it and it should also be attached with the drawing sheet.

(iv) Special credit will be given to good composition, cleanliness and good work.

(v)Given lines, construction lines and required lines should be distinct.

Section-A

Objective Type Questions [10]

1.Every objective type question has four options. You have to select one correct answer and write it clearly in order the answer-book:

(i) What is the shape of the slant face of a pyramid?

(a) Rectangular (b) Square (c) Triangular (d) Hexagonal.

(ii) Which of the following solid has triangular faces?

(a) Cube (b) Pyramid (c) Triangular (d) Prism

(iii) How many vertical faces are there in a rectangular room?

(a) Four (b) Two (c) Six (d) Eight

(iv) Which of the following solids has rectangular faces?

(a) Cube (b) Cone (c) Prism (d) Pyramid.

(v) What is the shape of each face of a cube?

(a) Rectangular (b) Circular (c) Square (d) Triangular

(vi) How many diagonals are there in an equilateral pentagon?

(a)One (b) Three (c) Four (d) Five

(vii) What is the system on which the dispersion is made?

(a) Horizontal plane (b) Vertical plane (c) Earth plane (d) Side plane

(viii) What will be the front view of a simple brick?

(a) Rectangle (b) Square (c) Trapezium (d) Rhombus

(ix) How many faces are there in a cube?

(a) Five (b) Four (c) Eight (d) Six

(x) What is the best example of a horizontal plane?

(a) Sky (b) Surface of liquid (c) Vertical wall (d) Land

Section 'B'
2. (A) Write the word 'SIMPLE' or SADHARAN in blocks of capital letters in Hindi and English. Word should be highlighted and shaded. The height of the letter should be 3.5 cm. The angle of the letters in the base should be at 90°.

    (B) Write the following sentence in English or Hindi in Italic printing of height 15 mm.

    "UNITY IS STRENGTH."

    OR

    "एकतामेंहीशक्तिहै"

OR

The distance between Kanpur and Lucknow is 100 kms. On map this distance is displayed by 5 cm. Draw a diagonal scale by which kilometres can be read. Find R.F. of the scale and mark the distance of 132 km on it.

Section 'C'

3.Draw a circle whose diameter is 8 cm. Divide this circle in four equal parts in area by means of semicircles.

OR

Draw the plan and elevation of a cube. It is standing on its one core that makes 30°angle from vertical surface. Its axis in parallel to vertical surface. Side of a cube is 35mm.

Section 'D'

4. A Pyramid stands on its square base. The base is parallel to the vertical plane, draw its plan and elevation. The side of the square base is 2.5 cm and the height of the axis is 3.7 cm.

OR

Draw the plan and elevation of an equilateral triangular prism having one of the base arms 2.5 cm and an axis of 6 cm long. While its axis is inclined at 40° with Horizontal Plane (H.P.) and 50° with Vertical Plane (V.P.)

Section 'E'

5. Draw the isometric drawing of a regular square prism, whose base is standing on H.P. One of its bases is 3 cm and axis is 5.5 cm.

OR

Draw an isometric view of an English letter "T". The height of the letter is 7 cm and width is 4 cm. Letter "T" is made of wood. The section is 1 square cm.

Section 'F'
Attempt any one
(Memory Drawing)

6. From your memory, draw any one of the following pictures on the given drawing sheet showing light, shade and shadow, with pencil or charcoal. Image measures about 15 cm.
(i) Two bananas kept in a plate.
(ii) Papaya
(iii) Book
(iv) Peacock or Parrot

OR

(Nature Study)

Draw a flower placed in front of you on the given drawing paper, in which there is one flower, one bud and at least three or four leaves and joint angles of the stem, colour, limbs and views of the plant are properly shown on drawing paper obtained from the centre. The drawing should not be less than 20cm. Try to show the freshness of flower, leaves and buds and natural colour.

Pay attention to the following points:

A: Natural form and correct size of plant.   [10]

B: Transparent attractive colour scheme.   [15]

C: Natural beauty and joint angles.   [05]

OR

(Landscape Painting)

Draw a landscape painting of any one of the following subjects on the given drawing sheet in a rectangle of 20cm X 15cm. The medium of the painting should be watercolour, poster colour or any other medium. Selection of the medium and composition of the landscape should be beautiful and attractive:

(i) The mountain view of sunset. (ii) Rural Scene. (iii) Scene of a jungle.

(a) Correct drawing and perspective.

(b) Suitable composition.

(c) Selection and use of appropriate colours.

(d) Suitable drawing & depiction of atmosphere.