# Senior Secondary Mathematics Lab Kit

**Product Categories**: NCERT Approved Education kits
**Product Tags**: Educational Equipment, Ncert Lab Kit
**Product Page**:
https://www.labappara.com/product/senior-secondary-mathematics-lab-kit-2/

## Product Description

Senior Secondary Mathematics Lab Kit:
National Council of Educational Research & Training (NCERT), New Delhi, an autonomous organization under Ministry of Human Resource Development (MHRD), Government of India (GOI), has empanelled SCIENTIFIC INSTRUMENT TRADERS for manufacturering and supplying of Educational School kits developed by NCERT
We are manufacturing and supplying superior quality Science Kits. Manufactured using premium quality raw material that assure its robust construction, corrosion & break resistance and longer service life, our offered products are highly appreciated all across the nation.

NCERT Science & Mathematics Kits. It is Use for teaching purpose in all school.

Sl.
No.
Name of the item
Technical Specification
Quantity

1
Sets

(i) Size 125 x 125mm (thickness-3.5/4 mm) Base sheet in green colour & 40 mm dia. round in red colour with 2 mm thickness in the center fixed in a round jigsaw cut & marking, made of plastic .
(ii) Size 125 x 125mm (thickness-5 mm) Base sheet in green colour & 80 mm dia round, red colour disk with 5.4 mm thickness & red ring thickness
5.4 outer dia 80 mm with hole in center containing yellow desk 40mm dia meter and thickness is 3.6 mm jigsaw cut & marking, made of plastic.
(iii) Size 125 x 125mm x 3.5/4 mm. Base sheet in green colour 2 circles (out of the 1 circle in yellow colour with 48 mm dia & other circle in blue colour with 68 mm dia. Both circles intersect each other which generate third shape in between with red colour marking, made of plastic.
(iv) Size 125 x 125 x4mm Base sheet in green colour 3 circle (out of them 1st circle in blue colour with 68 mm dia and 2nd circle in red colour with
58 mm dia & 3rd circle in yellow
colour with 48 mm dia) all three circles interesting each other, generating shape with black colour in the center along with generating white colour between any two circles intersecting made of plastic.
All items
One set each (4 set)

2

Relation and function

Size 230 x 205 x 3.5/4 mm in white colour with 2 elliptical shapes pieces in yellow colour pasted on white sheet. 2 elliptical shapes. 10 different pieces with round edges of size 55 x 22 x 1.8mm each with center hole. Printing as per sample and 5 elastic with 1 arrow and 2 lugs on both ends. Also 10 nos aluminum dowel of 3 mm dia with appropriate height made of plastic.

one

3

Trigonometric function ( sin x)

PVC foam board Size 200 x 200 x 3 mm Graph printed & made.

one

4

Trigonometric function ( cos x)

PVC foam board Size 200 x 200 x 2.5 mm Graph printed & made.

one

5

Trigonometric function ( tan x)

PVC foam board Size 200 x 200 x 3 mm Graph printed & made.

one

6

Principal of mathematics induction

Plastic sheet Size 200 x 60 x 12 mm plate with 5 multi coloured circles of dia 65,60,55,50 & 45 mm. All circles with center hole and thickness 2 mm. Also 3 plastic dowels made of polymer.

One set

7

Complex number

Plastic sheet, Size 200 x 200 x 3.4 mm Graph printed on white plastic with 2 different colour arrow having 2mm dia and length 80 mm L shape steel wire bended made.

one

8

Permutation and combination

Plastic sheet, Size 205 x 230 x 3.2/3.5 mm Rectangular pieces with multi colour printing and 2 jigsaw cutting inside for fixing 2 strips of 1.8 mm each made of plastic.

one

9

Arithmetic mean and geometric mean

Plastic sheet, 1 red square piece of size 60 x 60 x 2 mm and 4 rectangle pieces of size 90 x 30 x 2 mm each in yellow, orange, blue& green colour made of transparent plastic.

One set

10
Sum of first n natural number and sum of cube of first n natural number
Size 200 x 225 x 6 mm white piece with
100 inbuilt equidistant in ten holder height of 2mm to hold square pieces. 110 pieces of size 20 x 20 x2 mm with colour (White-2, Red-10, Green-30 & Blue-68) with center hole. Also 1 small name strip size 160x200x1.5mm with printing on both side which can be fitted on big white piece made of plastic.

One set

11
Sum of square of first n natural number
ABS plastic cube with sides 20mm accurate size, 5 mm to 8 mm dia holes. With depth of 5mm on five faces. Sixth face will have a Leg to push fit into the
180 cubes in 6
different colours (30

holes. (Unfix cubes).
cubes of each)

12
Conic section

4 different parts constituting a cone of base dia 75mm and total height of 90 mm in 2 different colour showing sectional cutting circle, ellipse and parabola made of wooden / plastic.

2 set

13
Demonstration board of ellipse
Size 235 x 235 x 16 mm board.
One side permanent graph printing in black colour on ceramic white steel sheet and other side covered with laminated sheet. All four sides covered with round aluminum Chapter and four corners fitted by first quality ABS corner. 2 screws fixed on the top of the graph with long life thread tied for experiment.
one

14
Three dimension
14/1 Size 100 x 100 X 2.5 Plastic sheet with jigsaw cuts on each side along with small holes on the sheet . 2 small rectangle sheets of size 100 x 50 x
2.5 mm with jigsaw cutting and holes and 2 small rectangle sheets of size 100 x 50 x 2.5 mm with jigsaw cutting.

14/2 Transparent sheet plastic cuboid with size 50 x 60 x70 mm open from one side, along with 4 Steel rod of appropriated size 104mm should be equal.

One each

15

Limit and continuity

Size 200 x 200 x 4 mm 3 movable arrows working on particular path of graph made of plastic and two arrows extra provide Packed in plastic box.

one

16

Mathematical reasoning

Circuit Board size

Complete with plastic base, battery holder, bulb holder with bulb 3.2 V, switch, banana sockets with two bulb extra and 5set banana plug wire (5 black wire and 5 red wire)

Two set

17

Inverse trigonometric function ( sin-1)

PVC foam board Size 200 x 200 x 2.5 mm Graph printed.

one

18

Inverse trigonometric function (cos-1)

PVC foam board Size 200 x 200 x 3 mm Graph printed.

one

19

Inverse trigonometric function (tan-1)

PVC foam board Size 200 x 200 x 3 mm Graph printed.

one

20
Inverse trigonometric function
(sin x and sin-1 )
Size 200 x 200 x 3.6 mm working graph with 2 pin holes at the back side made of plastic.

one

21
Graph of
(y=ex and y=logex)
Plastic sheet Size 200 x 200 x 3 / 3.5 mm working graph with 6 holes for the slope at the back side made of plastic.

one

22
Roll's theorem
PVC foam board Size 205 x 205 x 2.5 mm Graph printed.

one

23
Lagrange's mean value theorem.
PVC foam board Size 200 x 200 x 3 mm Graph printed.

one

24

Increasing and decreasing, maxima and minima.

Size 225 x 200 x 3.5/4 mm sheet

2 movable arrows working on particular path of graph made of plastic .And packed in plastic box.

one

25

Integral

Paper graph in three different colours blue, yellow and pink

Three each

26

Projection of a on vector b

Size 225 x 200 x 3.5/4 mm plate with 2mm/4 mm dia meter Steel rod of length 190 mm and 180 mm working model made of plastic

One each

27

A.(bxc)

Parallelepiped, each rectangular side

100 mm length and breadth 55 mm. thickness 5mm made of plastic.

one

28

Distance between two skew lines

4 hollow cylinder of size 50 mm height with 24mm internal dia and thickness 4mm

& 3 holes of 2mm. 2 Steel rods of
200 mm each made of plastic as per sample and 1 Steel rods of 50mm

One set

29
Interchapter of two plane
Plastic white sheet of size 200 x 200 x 3.5/6 mm with a V shape – slot of 1.8/2 mm depth with 2 square plates colour blue and yellow
size 100 x 100 x 1.5/2 mm made of
One each

plastic.

30
Plane passing through the line of interchapter of two plane
Plastic white sheet of size 200 x 200 x 3.5/4 mm with a Y shape – slot as per sheet size of 1.8 mm depth with 3 square plates colour red , blue and yellow
size 100 x 100 x 1.8/2 mm made of plastic.

one each

31
Angle between two planes
Plastic sheet size = 200 x 70/75 x base height 15mm , one sheet joined with hinge

on top side size 100mm x 75mm x sheet thickness 5 mm. Fixed one half protector one side of base as per sample. And two steel rod fixed right angle one base and another plastic plate joined. And one half protector fixed one steel rod as per sample. Packed in plastic box

One

32
Linear programming
1. Plastic sheet Size 200 x 200 x 4 mm white sheet with graph.

2. Plastic transparent sheet in two sizes one is 200 x 190mm .3 mm and second sheet size is 210 x 165 x .3 mm.
3. dowels 30 pieces and five different sizes elastic with arrow.

One

3 pcs each

33

Probability

1. Size 70 x 25 x 3 mm rectangular sheets having 8 pieces each of 10 transparent red & blue colour and 8 pieces in white opaque colour with printing made of plastic with tray.
2. Size 60 x 20 x 1.6 / 2.5 mm rectangular 6 pieces made of plastic with .85 mm round coins 15 pcs in three colours.

One set

34

Kit manual

Kit manuals may be purchased from sales counter of Publication Division, NCERT, New Delhi. The price of all the kit manuals are ranging Rs.50 to 200/-

1 No.

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Kit box

Size 430/440 x 360 x 285/290 m.m Galvanized box with carton six ply.
Box weight 2.9 kg ± 100g

1