

GIRLS' HIGH SCHOOL AND COLLEGE, PRAYAGRAJ

SESSION: 2020-2021

CLASS: IX A, B, C, D, E, F

SUBJECT: MATHEMATICS PROJECT

INSTRUCTIONS: 1) Project should be made on interleaf sheets. Paste the pictures and draw the required diagram.

2) There are 5 questions. Each question should be done on a separate page.

NOTE: Points to be followed for writing the project.

1) Acknowledgement

2) Index

3) Topic

4) Result

5) Bibliography

TOPICS :- 1) Cutting a circle into equal sections of a small central angle to find the area of a circle by using the formula $A = \pi r^2$

NOTE -- Website for reference: www.mathesisfun.com.

2) To use flat cutouts to form cube and cuboid to obtain formula for volume and total surface area.

NOTE -- Website for reference: <https://goprep.co>

QUESTIONS:

1) The radius of a circle is 5 m. Find the circumference of the circle whose area is 49 times the area of given circle.

2) A square is inscribed in a circle of radius 7 cm. Find the area of a square.

3) The volume of a cube is 726 cm cube. Find its volume.

4) Three cubes, each with 8 cm edge, are joined end to end. Find the total surface area of the resulting cuboid.

5) A cuboid has length, breadth and diagonal is 4m, 3m and 13m respectively. Find its volume.

The End