

WILLES LITTLE FLOWER SCHOOL & COLLEGE
SSC Examination—2021(Practical)

Subject: Chemistry

Examination no.	Title
1	Identification of produced gas due to reaction between dilute acid and metal carbonate.
2	Preparation formation of crystal of ferrous sulphate or Sodium chloride.
3	Identifying ionic and covalent compound through solubility and electrical conductivity testing.

Subject: Biology

Examination no.	Title
1	Microscopic observation of plant cell (Onion cell) and animal cell (amoeba).
2	Testing the necessity of light in the process of photosynthesis.
3	Examination of heat emission in the process of respiration.
4	Observation of different stalks of ideal flower.

Subject: Physics

Examination no.	Title
1	Determination of volume of an object by measuring its length, breadth and height using a slide caliper.
2	Determination of cross-sectional area and volume of a cylindrical object by measuring its length and diameter using a screw gauge.
3	Determination of the average speed of an object rolling over a slanting plank.

Subject: Higher Math

Examination no.	Title
1	To determine the trigonometric ratios of $\left(n \times \frac{\pi}{2} \pm \theta\right)$ for $n \in \mathbf{Z}$ where $0 < \theta < \frac{\pi}{2}$
2	To determine the graph of the function $f(x) = x^2 + 1$ and find its inverse function.
3	To determine the graph of the function $f(x) = \ln x$ and state the characteristics.
4	To draw a quadrilateral ABCD of vertices $A(4,1), B(1,4), C(-4,3)$ and $D(1, -2)$. Then find the area of ABCD in two different methods.