CLASS-10 (2/5/20)

*MATHS

1) Derive the Sridhar Acharya formula.
2) Solve these equations by Sridhar Acharya method
$x^2-10x-2=0, 3x^2-5x+2=0$
3) Explain discriminant.
4) Expain nature of roots
Solve 20 questions on discriminant and nature of roots from your textbook.

*SCIENCE

(Physics)
1- State difference between the wire used in the element of an electric heater and in a fuse wire.
2- How is an ammeter connected in a circuit to measure current flowing through it?
3- Two resistors of 10 Ω and 15 Ω are connected in series to a battery of 6 V. How can the values of current passing through them be compared?
4- State difference between the wire used in the element of an electric heater and in a fuse wire.

*S.St.

Geography
Ch-1 Resources and Development
Questions:
1. Do you think that resources are free gifts of nature as is assumed by many? Justify your answer with any three suitable arguments.
2. How many types of resources are available in a country? Explain. Make a chart also.
3. Examine the three major problems created as a result of indiscriminate utilization of natural resources.