

CLASS-10 (24/4/20)

**\*MATHS**

- 1) Explain the term polynomial with appropriate example
- 2) Explain linear polynomial ,quadratic polynomial ,cubic polynomial and bi- quadratic polynomial.
- 3) Explain the zeros of polynomial.
- 4) State and prove relation between the zeros and coefficients of a quadratic polynomial.
- 5) State and prove relation between the zeros and coefficients of a cubic polynomial.

**\*SCIENCE**

( Physics)

- 1- What is the disadvantage of a series circuit of resistor?
- 2- What happens to the resistivity of semiconductor with the increase of temperature?
- 3- Define the term internal resistance. What is its unit?
- 4- Four cells each of EMF 1.5 volt and internal resistance 4.0 ohm are connected in parallel . The battery of cell is connected to an external resistance of 4 ohm . Calculate
  - a) The total current flowing in the circuit
  - b) The current flowing in the external circuit
  - c) Drop in potential across the terminals of the cell.

**\*HINDI**

- \*Apne chhetra me phaili mahamari se awgat karate hue Nagar nigam अधिकारी को पत्रा लिखिये.
- \* Wartani sudharne ke liye kathin sabhon ka shrutkekh likhiye.

**\*S.St.**

History (Ch-1, The Rise of Nationalism in Europe)  
(Short Answer Type Questions)

1. What do you mean by nationalism? mention some factors which give rise to nationalism.
2. What was the spirit of conservatism?
3. Describe any three consequences of liberal revolution of 1848.
4. Like Germany, Italy too had a long history of political fragmentation. justify.
5. Why did Nationalists tension emerge in the Balkans? explain reasons.

**\*ENGLISH**

1. Write a letter to the S.H.O of your locality reporting the theft of a motor cycle .
  2. The illiterate boy caught for pick pocketing ... sent to juvenile prison.. complete this story in 150-200 words.
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