Bhartiya Bal Vidya Mandir School

Subject :- Physics

Class:- 12 (PCM/PCB)

Date:- 17 June 2022,Saturday

**Good morning Students,**

**As you got your Physics holiday homework, so in this I am just adding 2 questions which will be the part of your Physics holiday homework. Do this along with those questions only.**

1.Two charges +2 micro coulomb and -2 micro coulomb are placed at points A and B ,6 cm apart (a) Identify an equipotential Surface of the system . (b) What is the direction of electric field at every point on this surface?

2. A parallel plate capacitor with air between the plate has a capacitance of 8pF . What will be the capacitance if distance between the plate is reduced by half and space between them is filled with a substance of dielectric constant 6?