ST. XAVIER'S SENIOR SECONDARY SCHOOL, DELHI – 110 054

Std. 8 Time : 1 hr.

24-11-2014 Second Unit Test in SCIENCE M. Marks: 20

PHYSICS (M. Marks : 07; Time : 20 mts.)

1. Discuss how you will use a gold leaf electroscope to detect a charge. (1)
2. State the difference between static and dynamic electricity. (1)
3. a) By how many times is an earthquake of magnitude 5 on Richter scale more powerful than one of magnitude 3.
   b) List any two effects of an earthquake. (1)
4. Define a) Seismic focus b) Epicenter. (1)
5. What is the difference between conductors and insulators? Give an example of each. (1)
6. What do you mean by earthing? (1)
7. List two precautions you will take to save yourself from a lightning strike during a thunderstorm. (1)

CHEMISTRY (M. Marks : 07; Time : 20 mts.)

1. Fill in the blanks: (1)
   a) Rain mixed with _____ is called acid rain.
   b) The process in which carbon dioxide in the atmosphere traps the heat of the sun is called _____.
   c) The process of depositing a layer of zinc on iron is called _____.
   d) Metals which does not corrode in air _____.
2. Name the device fitted in new cars. How does it works? (1)
3. How are alloys made? Can alloying be used to lower the melting point? Give an example. (1)
4. a) Write the harmful effects of carbonmonoxide.
   b) Expand CFCs.
   c) Give two examples of smokeless fuels.
   d) Why is air an important natural resource? (2)
5. a) Define Corrosion. Name the compound formed due to corrosion of silver metal.
   b) Write the uses and composition of stainless steel alloy. (2)

BIOLOGY (M. Marks : 06; Time : 20 mts.)

1. What is animal husbandry? (1)
2. What is water logging? How can it be prevented? (1)
3. If you are a pisciculturist, what do you do? (1)
4. Why should grains be dried before storage? (1)
5. Why do farmers normally use a mixture of manure and fertilizers in their fields? (1)
6. Differentiate between nitrification and de-nitrification (any one point). (1)

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