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## Sample NTSE Interview Questions (Part 7 of 9)

- Give any two example of communicable disease.
- Define the unit of any quantity.
- What are the sources of nitrogen based pollutants in the air?
- Give any three examples of green houses gases, other than carbon di oxide.
- How images are formed in our eye?
- Why the oscillations of the simple pendulum keep on moving with same rate?
- There are 5 sets of words (1, 1, 1, 1, 1) (3, 3, 3, 3, 3) (5, 5, 5, 5, 5) (7, 7, 7, 7, 7) (9, 9, 9, 9, 9). Select any five numbers such that sum of those 5 numbers is 22. How many such combinations are possible? Give the logic for the answer.
- What is the difference between sovereign and socialist? What do you mean by republic?
- What is paper made up of?
- Now a days internet connection has come with relatively very high speed as compared to internet speed 10 years before. How it is possible? What are optical fibres?
- What was the cause of the swine flu?
- Which of the following is responsible for the concept of direction? Earth/Sun/Moon? and how? What will happen if the earth stops rotating?
- Define friction force and how it vary with the application of the external force. What is the direction of the frictional force? Show the direction of frictional force in three different cases.
- Which one is more dense? Dry air or humid air? Explain.
- During winter night when we breathe the air out, we can clearly see the droplets of water but we cannot see them in summer. What do you think is the possible reason. Try to relate it with dew point? condensation?
- A table fan is running and air is flowing because of that with some speed. After covering some distance the air flow comes to an end finally. Assuming the rate of decrease of flow of air is constant (i.e.. Deceleration is constant). Can you suggest any simple manner to judge the deceleration and speed of the air (Using perfume can be a good answer-spray perfume near

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the fan and your friend will smell the perfume sitting 5 – 7 meter away from the fan. Measure the time. Repeat the experiment several time)?

- A person is sitting in a room with an oxygen cylinder. Now a vacuum is created in the room. What will happen to the person?
- A 40 watt tubelight is replaced by a 20W CFL. Assuming bulb operates for 14hrs per day and the cost of electricity is Rs. 5/unit. How much money wopuld be saved in a month (1 month = 30 days)
- Does wall of the room absorbs light? reflect light?
- During the cloudy day (few hrs before the rainfall) we feel too hot compared to other days. Why?
- Prove that air is a bad conductor of heat
- Who invented the vaccine for rabies? What exactly are vaccines?
- What is spontaneous combustion? Give two example other than sodium. Any application of this concept to understand the observed phenomena?
- How fire extinguisher works?

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