**PAKISTAN SCHOOL-KINGDOM OF BAHRAIN**

**E-support and Learning Material**

**G-Science worksheet Topic : 1- Chapter 5**

**Grade : 9th Assignment: 3**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Session 2020-2021**

**Subject : General Science**

**Book: Textbook of General Science, Grade 9 and 10. Federal Board, Islamabad.**

**FIRST TERM**

**Chapter 5: Micro-organisms and Disease**

**WORKSHEET-1**

**Short Questions:**

1. What are Microorganisms?
2. What is the causative agent of Tuberculosis?
3. How the disease Tuberculosis can be controlled.

**Fill in the Blank:**

1. DPT contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
2. In Whooping cough lungs produce a Whistling sound called \_\_\_\_\_\_\_\_\_\_\_ .
3. Infants must be immunized with \_\_\_\_\_\_\_\_\_\_\_ against T.B.



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**E-support and Learning Material**

**G-Science Notes Topic : 1- Chapter 5**

**Assignment: 3**

Lesson 3, Online

Short Questions:-

Q1. Define “Micro- organisms”

Ans. An organism which cannot be observed without a microscope is termed a micro-organism, i.e : it cannot be seen with the naked eye. Examples are, viruses, bacteria and the malarial parasite.

Q2. What is a pathogen?

Ans. It is a microorganism which can cause a disease in humans, plants or animals.

Q3. Can bacteria cause disease in humans. If so name some bacterial diseases.

Ans. yes bacteria can cause many diseases in humans. Some of the important bacterial diseases are, i. tuberculosis

ii. Typhoid

iii. tetanus

iv. Cholera

v. diphtheria

vi. whooping cough

vii. Anthrax

Q4. Write a short note on tuberculosis

Ans: It is a disease caused by a bacterium called Mycobacterium tuberculosis .It is a disease of the lungs.TB spreads through the air when person with TB coughs, sneezes or even talks. The main symptoms of the disease are prolonged coughing , with blood in sputum, chest pain and constant low fever. This disease occurs in people living in unhygienic or polluted environment. It is a fatal disease but now can be cured with prolonged treatment using medicines and providing healthy living conditions. Infants should be immunised with the BCG vaccine.

Q5. Write a short note on whooping cough.

 Ans. It is a disease of infants

 Symptoms.

1.The infant cough actually for a minute after which air rushes in to the lungs producing a whistling sound called whoops.

2.Due to acute coughing,delicate lining of the lungs and capillaries are damaged.

3.Infant gradually gets weaker and reduces to skeleton.

Treatment.

The disease can only be controlled by immunizing the infant by the DPT injection.

The injections are administered in a typical method

 Ist dose \_\_\_\_\_ 6 weeks

 2nd dose \_\_\_\_\_\_10 weeks

 3rd dose \_\_\_\_\_\_\_\_\_14 weeks.

 Booster dose \_\_\_\_18 months.

Q6. What does DPT contain?

Ans. DPT contains three vaccines

 D for Diphtheria

 P for Pertussis (whooping cough)

 T for Tetanus.