

1. Name the following:
 - (i) A chemical substance prepared from the microorganism and used against them.
 - (ii) The bactericidal enzyme present in tears and saliva.
 - (iii) One combined vaccine given to babies which helps build immunity against three common diseases.
 - (iv) Name of a sexually transmitted disease.
2. Fill in the blanks
 - (i) A condition of the body or a part of it in which its functions are disturbed is called _____.
 - (ii) A collection of dead cells and body fluids is known as _____.
 - (iii) The resistance of our body against a disease is termed as _____.
 - (iv) WBC engulf pathogen by _____ process.
3. Mention whether the following statements are true or false. If false, rewrite the sentence by changing the letters printed in bold face.
 - (i) Alexander Fleming discovered **Sulphonamide**.
 - (ii) Vaccines provide **active immunity** to the body.
4. Define the following:
 - (i) Toxins
 - (ii) Antigens
 - (iii) Disease
 - (iv) Allergy
 - (v) Non-communicable diseases
5. Differentiate between:
 - (i) Antiseptics and Disinfectants
 - (ii) Active immunity and Passive immunity
6. List all the local defense system possessed by body to fight against infections.
7. Explain all type of immunity possessed by human being to fight against infections.
8. Write the important characteristics of antibodies.
9. What are Sulphonamides, give a short note on them.

10. Complete the following table:

Vaccine	Disease	Nature of Vaccine
TAB		
Salk's Vaccine		
BCG		Living weakened germs
Vaccine for Measles	Measles	
Complex Virus		
Toxoid		Extract of toxins
		Secreted by bacteria

11. Write the four uses of antibiotics.

12. Define the following terms.

- (a) Vaccination
- (b) Immunisation
- (c) BCG
- (d) Antibodies

13. Give the difference between local defense system and Immune system.

14. Enumerate all pathways for entry of pathogen.

15. Tick the following sentence with true and false, also give the appropriate reason for false sentence.

- (a) Hairs in the trachea propel out the mucus.
- (b) Antibodies are fat molecules produced against any pathogen.
- (c) Disinfectant are used in mild concentration to inhibit bacterial growth.
- (d) Small pox vaccine contains killed germs.
- (e) Streptomycin is very effective to treat gonorrhoea (STD)

16. Give the difference between anti-sera and anti-toxin.

17. Name the type of immunity for the following sentence.

- (a) Immunity obtained after infection with small pox.
- (b) Immunity obtained by foetus from its mother
- (c) Immunity obtained for typhoid after getting tab vaccine.
- (d) Immunity when a person is given with anti-diphtheria injection during infection.
- (e) Immunity by which person is resistant to distemper.

18. Answer the following sentence in one word.

- (a) Process by which WBC squeezed out through wall of blood vessel.
- (b) Engulfing of pathogen by WBC.
- (c) Cells which produce specific antibodies.
- (d) Cells carries specific receptors for foreign antigens.

19. Explain the tetanus vaccination in pregnant mother.

