

I. CHOOSE THE CORRECT ANSWERS

5 x 1 = 5

- AIDS virus has
 - Single stranded RNA
 - Double stranded RNA
 - Single stranded DNA
 - Double stranded DNA
- A 30 year old woman has bloody diarrhoea for the past 14 hours, which one of the following organisms is likely to cause this illness?
 - Streptococcus pyogenes*
 - Clostridium difficile*
 - Shigella dysenteriae*
 - Salmonella enteritidis*
- Match the pathogens with respective diseases caused by them and select the correct match using the codes given below.

A. <i>Leishmania donavani</i> - i. Amoebiasis	
B. <i>Wuchereria bancrofti</i> - ii. Kala - azar	
C. <i>Trypanosoma gambiense</i> - iii. Sleeping sickness	
D. <i>Entamoeba histolytica</i> - iv. Filariasis	

 - A-ii, B-iv, C-iii, D-i
 - A-ii, B-iv, C-i, D-iii
 - A-iii, B-i, C-ii, D-iv
 - A-i, B-iv, C-iii, D-ii
- B cells that produce and release large amounts of antibody are called
 - Memory cells
 - Basophils
 - Plasma cells
 - killer cells
- The Athlete's foot disease in human is caused by _____.
 - Bacteria
 - Fungi
 - Virus
 - Protozoan

II VERY SHORT ANSWERS

3 x 2 = 6

- Name and explain the type of barriers which involve macrophages.
- A patient was hospitalized with fever and chills. Merozoites were observed in her blood. What is your diagnosis?
- Given below are some human organs. Identify one primary and one secondary lymphoid organ. Explain its role. Liver, thymus, stomach, thyroid, tonsils.

III SHORT ANSWERS

3 x 3 = 9

- Why do you think it is not possible to produce vaccine against 'common cold'?
- List the common withdrawal symptoms of drugs and alcohol abuse.
- Write the scientific name of the filarial worm that causes filariasis.
 - Write the symptoms of filariasis.
 - How is this disease transmitted?

IV LONG ANSWERS

1 x 5 = 5

- Explain the structure of immunoglobulin with suitable diagram.