

Topic :- Human Health & Disease

- 1 **(a)**
The drug quinine is obtained from the bark of *Cinchona*.
- 2 **(a)**
Antigen-antibody binding is electrostatic, *i.e.*, non-covalent hydrophobic, van der Waals' ionic, etc.
- 3 **(b)**
In vaccination pathogens are introduced into the body in a weakened form. The process causes the body to produce enough antibodies to protect against the pathogens, while not getting diseased
- 4 **(a)**
Female infanticide means murder of female infant. It is commonly reported from Usalampatti.
- 5 **(b)**
AIDS disease is caused by the member of retrovirus group. Human immunodeficiency Virus (HIV) is a lentivirus (slowly replicating retrovirus) that causes Acquired Immuno Deficiency Syndrome (AIDS)
- 6 **(a)**
The term 'antibiotics' was first time used by **S A Waksman** in 1945. Antibiotics are the substances which are produced by microorganisms such as fungi or bacteria. These substances are harmful to the growth of the microorganisms, *e.g.*, penicillin, streptomycin, chloramphenicol, etc.
- 7 **(d)**
Liver is not a lymphoid tissue. The liver is a vital organ present in vertebrates and some other animals. It has a wide range of functions, including detoxification, protein synthesis, and production of biochemical necessary for digestion
- 8 **(a)**
Ascariasis is caused by an intestinal endoparasite or human. '*Ascaris lumbricoides*', commonly called roundworm.
Filariasis is caused by filarial worms, *Wuchereria bancrofti* and *Wuchereria malayi*
- 9 **(a)**
Sir Godfery Newbold Hounsfield, an English electrical engineer who shared the 1979 Noble Prize for Physiology or Medicine with **Allan MacLeod Cormak** for his part in developing diagnostic technique of X-ray computed tomography (CT scanning). He died in August 2004.
- 10 **(a)**
The exaggerated response of the immune system to certain antigens present in the environment is called allergy
- 11 **(a)**
A- *Wuchereria*, B- *Salmonella typhi*, C-Common cold, D-Internal bleeding, fever and anaemia

- 12 **(c)**
Cerebellum is concerned with balance of body. It receives information from the organ of balance in the ears and controls all the movements involving voluntary muscles. It is the part of brain affected first in a drunk person.
- 13 **(a)**
African sleeping sickness or African trypanomiasis is a disease of tropical Africa. It is caused by the blood parasitic Protozoa, *Trypanosoma gambiense*.
- 14 **(a)**
Cocaine is an alkaloid obtained from the leaves of *Erythroxylon coca* of family- Erthroxyllaceae. It is used as local anaesthetic as well as stimulant for the digestive and nervous system.
- 15 **(a)**
A fungus parasitic upon the skin, usually a species of *Microsporium*, *Epidermophyton* or *Trichophyton* is responsible for ringworm. They are also called cutaneous fungus
- 17 **(d)**
The drug morphine is obtained from *P. somniferum*.
- 18 **(a)**
ELISA (Enzyme Linked Immune Sorbent Assay) is used for detection of AIDS, virus and antibodies. It is a standard test for detecting the presence of antibody directed against HIV. ELISA is well used for detection of viruses, fungi, bacteria, etc.
- 19 **(a)**
Interferon- β is also termed as immune interferon.
- 20 **(c)**
Hepatitis-B virus contains double stranded DNA, while Hepatitis-C, Hepatitis-E, Hepatitis-A and HIV contain single stranded RNA

ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	A	A	B	A	B	A	D	A	A	A
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	C	A	A	A	A	D	A	A	C

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