

Topic :- Human Health & Disease

- 1 **(c)**
Ground water contaminated with arsenic cause black-foot disease. Black foot disease is a severe form of peripheral vascular diseases in which the blood vessels in the lower limbs are severely damaged, resulting eventually in progressive gangrene
- 2 **(c)**
Drugs like barbiturates, amphetamines, benzodiazepines, Lysergic Acid Diethylamides (LSD), and other similar drugs, that are normally used as medicines to help patient cope with mental illnesses like depression and insomnia, are often abused. Several plants, fruits and seeds having hallucinogenic properties have been used for hundreds of years in folk- medicine, religious ceremonies and rituals all over the globe
- 3 **(a)**
Nicotine.
Tobacco contains large number of chemical substances including nicotine, an alkaloid. Nicotine stimulates adrenal gland to release adrenaline and nor-adrenaline into blood circulation, both of which raise blood pressure and increases the heart rate
- 4 **(b)**
Alcoholism is a chronic often progressive disease in which a person craves alcohol and drinks despite repeated alcohol related problems. It involved a physical dependence on alcohol. It may lead to liver cirrhosis. Cirrhosis is build up of scar tissue that changes the structure of the liver and blocks blood flow. Cirrhosis can varicose veins, which can reapture and potentially triggering internal bleeding.
- 5 **(a)**
Disease like whooping cough (pertussis), diphtheria and tetanus (lock jaw) can be prevented by immunizing all infants with triple vaccine-DTP (*i.e., diphtheria, pertussis, tetanus vaccine*). Typhoid, caused by bacterium *Salmonella typhi*, cannot be cure with triple vaccine but typhoid did vaccine is available.
- 6 **(c)**
SCID (**Severe Combined Immunodeficiency Disease**) is a congenital disease in which bone marrow stem cells are absent. Immunodeficiency affects both B and T-lymphocytes. It is caused by defective gene coding for the enzyme **adenosine deaminase**.
- 7 **(c)**
The flower tops, leaves and the resin of cannabis plant are used in various combination to produce marijuana, hashish, charas and ganja. Generally taken by inhalation and oral ingestion these are known for their effects on cardiovascular system of the body

- 8 **(c)**
Rat carries rat fleas, which causes bubonic plague and bite of rat causes rat fever.
- 9 **(d)**
This parasite can infect food and water so safety is of paramount importance. There are a few measures you can put in place to reduce the risk of amoebiasis, *which includes*
- (i) Boiling untreated water especially when travelling or camping
 - (ii) Washing fruit and vegetables before eating them
 - (iii) Washing your hands, utensils and kitchen worktops before and after food preparation
 - (iv) Ensuring that all food is cooked at the correct temperature
 - (v) Washing your hands everytime you visit the toilet or after you have been in contact with an infected animal
 - (vi) Ensuring that any cooked food is covered when left out to cool down
- 10 **(c)**
Morphine is a very effective sedative and painkiller and is very useful in patients who have undergone surgery
- 11 **(a)**
Hydrogen sulphide is released into the atmosphere from industries and causes irritation of respiratory passage, paralysis and asphyxia in man.
- 12 **(b)**
Vaccines are made from microbes that are dead or inactive so that they are unable to cause the disease. The antigen in the vaccine is the same as the antigen on the surface of the disease-causing microbe. The vaccine stimulates the body to produce antibodies against the vaccine
- 13 **(a)**
In alcoholic person, some part of alcohol is changed into acetaldehyde, which stimulates the formation of fat. This fat is deposited over the wall of arteries and also accumulates in liver cells. Due to which liver gets failed and there is very little regulation of carbohydrate, protein and fat metabolism. This disorder is known as fatty liver syndrome. Latter on, the liver gets turned into solid, hard, fibrous organ causing liver cirrhosis.
- 14 **(a)**
AIDS is a viral infection. HIV (Human Immunodeficiency Virus), the virus that causes AIDS, was first discovered in 1981 in a remote area of central Africa
- 15 **(a)**
Each antibody molecule has four peptide chains, two small called light chains and two long called heavy chains. Hence, an antibody is represented as H_2L_2
- 16 **(a)**
A- Opium poppy, B- Cannabis sativa, C- Datura
- 17 **(c)**
Opium is the dried latex obtained from unripe capsules of *Papaver somniferum* (poppy). Morphine and codeine are the alkaloids formed from this dried latex and have the pain relieving property.
- 18 **(c)**
DDT (Dichloro Diphenyl Trichloroethane) is an organochlorine compound. These compounds

are lipophilic and show much affinity for the fatty tissue of animals.

19 (c)

Benign tumour is a non-cancerous Tumour. It does not show metastasis and is non-invasive. It is less fatal to the body

20 (a)

Entamoeba Histolytica is a parasite of the human large intestine, commonly contracted by ingesting contaminated water or food

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