

- Q.1.** Choose correct option wrt Immunity
- A. Innate immunity is non-specific defense present at birth.
- B. Acquired immunity is pathogen-specific.
- C. B-lymphocytes mediate cell-mediated immunity.
- D. T-lymphocytes mediate humoral immunity.
- E. Immunological memory is the basis of vaccination.
- (1) A and C are true only
 (2) A, B, C, E are true only
 (3) B and D are true only
 (4) A, B and E are true only
- Q.2.** Select correct statement regarding vaccination
- A. Vaccines are suspension of killed or weakened pathogens.
- B. They stimulate primary immune response.
- C. Memory cells generated by vaccination provide long-term protection.
- D. Vaccination is an example of passive immunity.
- E. Vaccines have eradicated smallpox globally.
- (1) A and C are true only
 (2) A, B, C, E are true only
 (3) C and D are true only
 (4) A, B and E are true only
- Q.3.** Select correct option regarding allergy
- A. Allergy is hypersensitivity of immune system.
- B. IgE antibodies are involved.
- C. it is due to histamine released from mast cells.
- D. Antihistamines and steroids provide relief.
- E. Allergy improves body's protection against pathogens.
- (1) A and C are true only
 (2) A, B, C, D are true only
 (3) B and D are true only
 (4) A, B and E are true only
- Q.4.** Choose correct option wrt AIDS
- A. AIDS is caused by HIV.
- B. Virus attacks helper T_H -lymphocytes (CD4+ cells).
- C. HIV belongs to retroviruses
- D. Treatment with anti-viral drugs is completely effective
- E. ELISA test is used for detection.
- (1) A and D are true only
 (2) A, B, C, E are true only
 (3) B and D are true only
 (4) A, B and E are true only
- Q.5.** Choose correct option wrt Cancer
- A. Cancer is uncontrolled cell division.
- B. Metastasis is most feared property of Benign tumors
- C. Major cause of lung cancer is carcinogens present in tobacco smoke
- D. Carcinogens include physical, chemical, biological agents.
- E. Biopsy and imaging are diagnostic methods.
- (1) B and C are true only
 (2) B, C and E are true only
 (3) B and D are true only
 (4) A, C, D and E are true only
- Q.6.** Select correct statement wrt (with respect to) malaria
- A. Fertilization of gametes and development of zygote takes place in mosquito's gut
- B. Female Anopheles mosquito transmits infection.
- C. Parasite multiplies in liver and RBCs.
- D. Chills and fever occur due to release of hemozoin.
- E. Malignant malaria is caused by *P.vivax*
- (1) A and C are true only
 (2) A, B, C, E are true only
 (3) B and D are true only
 (4) A, B, C and D are true only
- Q.7.** Choose correct statement regarding typhoid
- A. Caused by Salmonella typhi.
- B. Pathogen spreads through contaminated food and water.
- C. Widal test is used for diagnosis.
- D. Intestinal perforation and death may occur in every case
- E. Typhoid is caused by a protozoan parasite.
- (1) A, and C are true only
 (2) A, B, C, D are true only
 (3) B and D are true only
 (4) A, B and E are true only

- Q.8.** Choose correct option wrt immunization
- Principle of immunisation is based on property of 'memory' of the immune system
 - r DNA technology has allowed the production of antigenic lipids of pathogen in bacteria and yeast
 - Pre-formed antibodies are given to patient against snakebite
 - Passive immunity is always permanent.
 - Maternal antibodies provide natural passive immunity.

- (1) A, C and E are true only
- (2) A, B, C, E are true only
- (3) B and D are true only
- (4) A, B and E are true only

- Q.9.** Following statement are given regarding drug & alcohol abuse and choose correct option

- Adolescents are more vulnerable due to curiosity & stress.
- Dependence is the tendency of the body to manifest a characteristic and unpleasant withdrawal syndrome if regular dose /alcohol is abruptly discontinued
- Regular intake of drugs increases tolerance, leading to addiction.
- Alcohol abuse has no long-term health effects.
- Rehabilitation and counseling help in addiction.

- (1) A, and C are true only
- (2) A, B, C, E are true only
- (3) A, B and C are true only
- (4) A, B and E are true only

- Q.10** Choose correct one regarding amoebiasis

- Amoebiasis is caused by *Entamoeba coli*.
- It spreads through contaminated water and food.
- Symptoms of disease include abdominal pain and cramps
- It causes dysentery and patient have stool with excess mucous and blood clots
- Amoebiasis spreads by female Anopheles.

- (1) A, and C are true only
- (2) B, C and D are true only
- (3) B and D are true only
- (4) A, B and E are true only

- Q.11.** Choose correct one regarding Filariasis

- Disease caused by bite of female mosquito vector
- Causative organism is *Wuchereria bancrofti* and *W. malayi*
- It affects lymphatic vessel.
- Genital organs often affected
- It is also known as elephantiasis

- (1) A, and C are true only
- (2) A and E are true only
- (3) B and D are true only
- (4) All statements A,B,C,D,E are true

- Q.12.** Choose incorrect one wrt antibody

- It's represented H_2L_2
- IgA, IgM, IgD, IgG, IgE are types of it.
- They are physiological barriers
- They are produced by some T-lymphocyte
- Heavy chain and light chain are joined by disulphide linkage

- (1) A, and C only
- (2) C and E only
- (3) C and D only
- (4) A, B, and E only

- Q.13.** A woman patient suffer from cancer, what treatment we can give to such patients

- We can use chemotherapy that is uses chemicals to kill rapidly dividing cells.
- Radiation therapy targets tumor cells.
- Immunotherapy (alpha interferon) to activate immune system
- All cancer therapies have zero side effects.
- May be treated by combination of surgery, radiation therapy and chemotherapy

- (1) A, and C are true only
- (2) B, C, D and E are true only
- (3) B and D are true only
- (4) A, B, C and E are true only

- Q.14.** A boy develops sneezing, watery eyes after pollen exposure. From the following which statement is not related to above symptoms
- IgE antibodies mediate allergic response.
 - Histamine release causes symptoms.
 - Allergy is protective immune response.
 - Anti-histamines provide relief.
 - Allergens trigger hypersensitivity.
- A, B, D and E are true only
 - B, C, D and E are true only
 - B and D are true only
 - A, B, and E are true only
- Q.15.** Choose correct statement regarding oral polio vaccine .
- Oral polio vaccine provides active immunity.
 - India is certified polio-free since 2014.
 - Maternal antibodies provide lifelong immunity to polio.
 - Pulse polio programme was crucial in eradication.
 - Polio is caused by a DNA virus.
- A, B and D are true only
 - B, C, D and E are true only
 - B and D are true only
 - A, B, and E are true only
- Q.16.** Choose correct regarding cannabinoids
- Taken by oral ingestion only
 - Interact with cannabinoid receptor present in brain
 - Obtaines from Cannabis sativa
 - Varoius plant parts are taken and used in various combination, it is use to produce hasish, charas, ganja
 - Effect cardiovascular system
- A, and C are true only
 - B, C, D and E are true only
 - B and D are true only
 - A, B, and E are true only
- Q.17.** Select correct statement regarding cocaine
- Excessive dose of it causes hallucination
 - Obtained from plant native to South Africa
 - Commonly known as crack or coke which is usually snorted
 - It is potent depressant
- It interferes with the transport of neurotransmitter dopamine
- B and C are true only
 - C and E are true only
 - B and D are true only
 - A, C, and E are true only
- Q.18.** Choose correct statement regarding sedatives
- Sedatives depress the activity of the central nervous system.
 - They are prescribed to reduce irritability, anxiety, and induce sleep.
 - Morphine, an opioid, is a sedative that binds to specific CNS receptors
 - Barbiturates are commonly used sedatives.
 - Sedatives increase alertness and concentration permanently.
- A and B are true only
 - C and E are true only
 - A, B and D are true only
 - A, B, C and D are true only
- Q.19.** Select correct statement regarding opioids
- Acetylation of morphine forms smack
 - Heroin is commonly called smack
 - Their receptor present in GIT also
 - Morphine is potent pain killer but not sedative
 - Morphine is obtained from latex of poppy plant
- A, B and C are true only
 - C and E are true only
 - A, B and D are true only
 - A, B, C and E are true only
- Q.20.** Choose correct regarding AIDS
- NACO educate popele about this disease
 - RNA of this virus infect the cell and produce viral DNA by process of reverse transcription
 - Viral DNA produce viral RNA without association with host genome
 - Incubation period vary from few months to few years (5-10 years)
 - A widely used test fro this disease is ELISA
- A, and C are true only
 - A, B ,D and E are true only
 - B and C are true only
 - A, B, and D are true only

ANWERS - KEY

Q	1	2	3	4	5	6	7	8	9	10
Ans.	(4)	(2)	(2)	(2)	(4)	(4)	(2)	(1)	(3)	(2)
Q	11	12	13	14	15	16	17	18	19	20
Ans.	(4)	(3)	(4)	(1)	(1)	(2)	(4)	(4)	(4)	(2)

