



## BIOLOGY

### BOOKS - NEET PREVIOUS YEAR (YEARWISE + CHAPTERWISE)

#### HUMAN HEALTH AND DISEASE

##### Exercise

1. MALT constitutes about ... per cent of the lymphoid tissue in human body.

A. 0.5

B. 0.2

C. 0.7

D. 0.1

**Answer: A**



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2. Transplantation of tissues/organs to save certain patients often fails due to rejection of such tissues/organs by the patient. Which type of immune response is responsible for such rejections?

- A. Autoimmune response
- B. Cell-mediated immune response
- C. Hormonal immune response
- D. Physiological immune response

**Answer: B**



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3. Asthma may be attributed to

A. allergic reaction of the mast cells in the lungs

B. inflammation of the trachea

C. accumulation of fluid in the lungs

D. bacterial infection of the lungs

**Answer: A**



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4. In higher vertebrates, the immune system can distinguish self-cells and non-self. If this property is lost due to genetic abnormality and it attacks self-cells, then it leads to

A. graft rejection

B. auto-immune disease

C. active immunity

D. allergic response

**Answer: B**



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5. Which of the following statements is not true for cancer cells in relation to mutations

- A. Mutations destroy telomerase inhibitor
- B. Mutations inactivate the cell control
- C. Mutations inhibit production of telomerase
- D. Mutations in proto-oncogenes accelerate the cell cycle

**Answer: C**



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6. Antivenom injection contains preformed antibodies while polio drops that are administered into the body contain

- A. harvested antibodies
- B. gamma globulin
- C. attenuated pathogens
- D. activated pathogens

**Answer: C**



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**7. Which of the following is correct regarding AIDS causative agent HIV**

- A. HIV is enveloped virus containing one molecule of single-stranded RNA and one molecule of reverse transcriptase
- B. HIV is enveloped virus that contains two identical molecules of single-stranded RNA and two molecules of reverse transcriptase
- C. HIV is unenveloped retrovirus
- D. HIV does not escape but attacks the acquired immune response

**Answer: B**



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**8. Which of the following sets of disease is caused by bacteria**

- A. Cholera and tetanus
- B. Typhoid and smallpox
- C. Tetanus and mumps
- D. Herpes and influenza

**Answer: A**



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**9. If you suspect major deficiency of antibodies in a person, to which of the following would you look for confirmatory evidence**

A. Fibrinogen in plasma

B. Serum albumins

C. Haemocytes

D. Serum globulins

**Answer: D**



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**10.** Which of the following diseases is caused by a protozoan

A. Syphilis

B. Influenza

C. Babesiosis

D. Blastomycosis

**Answer: C**



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11. Grafted kidney may rejected in a patient due to

- A. humoral immune response
- B. cell-mediated immune response
- C. passive immune response
- D. innate immune response

**Answer: B**



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12. Which of the following immunoglobulins does constitute the largest percentage in human milk ?

- A. IgD
- B. IgM
- C. IgA



D. IgG

Answer: C



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13. Which is particular type of drug that is obtained from the plant



A. Hallucinogen

B. Depressant

C. Stimulant

D. Pain-killer

**Answer: A**



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**14.** At which stage of HIV infection does one usually show symptoms of AIDS

A. Within 15 days of sexual contact with an infected person

B. When the infected retro virus enters host cells

C. When HIV damages large number of helper T-lymphocytes

D. When the viral DNA is produced by reverse transcriptase

**Answer: C**



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15. Which of the following fungi contains hallucinogens

- A. *Marchella esculenta*
- B. *Amanita muscaria*
- C. *Neurospora* sp
- D. *Ustilago* sp.

**Answer: B**



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16. Infection of *Ascaris* usually occurs by

- A. drinking water containing egg of *Ascaris*
- B. eating imperfectly cooked pork
- C. tse-tse fly

D. mosquito bite

**Answer: A**



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**17.** The cell-mediated immunity inside the human body is carried out by

A. T-lymphocytes

B. B-lymphocytes

C. thrombocytes

D. erythrocytes

**Answer: A**



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**18.** Widal test is used for susceptibility of

- A. malaria
- B. diabetes mellitus
- C. HIV/AIDS
- D. typhoid fever

**Answer: D**



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**19.** Common cold differs from pneumonia in, that

- A. pneumonia is a communicable disease, whereas the common cold is a nutritional deficiency disease
- B. pneumonia can be prevented by a live attenuated bacterial vaccine, whereas the common cold has no effective vaccine
- C. pneumonia is caused by a virus, while the common cold is caused by the bacterium *Haemophilus influenzae*

D. pneumonia pathogen infects alveoli whereas the common cold affects nose and respiratory passage but not the lungs

**Answer: D**



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**20.** Which one of the following is not a property of cancerous cells whereas the remaining three are

- A. They compete with normal cells for vital nutrients
- B. They do not remain confined in the area of formation
- C. They divide in an uncontrolled manner
- D. They show contact inhibition

**Answer: D**



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21. In which one of the following options the two examples are correctly matched with their particular type of immunity ?

A.

Examples

Polymorphonuclear leukocytes and monocytes

Type of immunity

Cellular immunity

B.

Examples

Anti-tetanus and anti-snake bite injections

Type of immunity

Active immunity

C.

Examples

Saliva in mouth and tears in eyes

Type of immunity

Physical barriers

D.

Examples

Mucus coating of epithelium Physiologic lining the urinogenital tract

**Answer: A**



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22. Cirrhosis of liver is caused by the chronic intake of

A. opium

B. alcohol

C. tobacco (chewing)

D. cocaine

**Answer: B**



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**23.** Which one of the following statements is correct with respect of immunity ?

A. Preformed antibodies need to be injected to treat the bite by a viper snake

B. The antibodies against smallpox pathogen are produced by T-lymphocytes

C. Antibodies are protein molecules, each of which has four light chains



D. Rejection of a kidney graft is the function of B-lymphocytes

**Answer: A**



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**24.** A certain patient is suspected to be suffering from Acquired Immuno Deficiency Syndrome. Which diagnostic technique will you recommend for its detection

A. MRI

B. Ultra sound

C. WIDAL

D. ELISA

**Answer: D**



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**25.** Ringworm in humans is caused by:

- A. bacteria
- B. fungi
- C. nematodes
- D. viruses

**Answer: B**



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**26.** Consider the following four statements (i-iv) regarding kidney transplant and select the two correct ones out of these

- (i) Even if a kidney transplant is proper the recipient may need to take immuno-suppressants for a long time
- (ii) The cell-mediated immune response is responsible for the graft rejection
- (iii) The B-lumphocytes are responsible for rejection of the graft
- (iv) The acceptance or rejection of a kidney transplant depends on specific

interferons

The correct statements are

- A. II and III
- B. III and IV
- C. I and III
- D. I and II

**Answer: D**



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**27.** Which one of the following statements is correct with respect to AIDS?

- A. The HIV can be transmitted through eating food together with an infected person
- B. Drug addicts are least susceptible to HIV infection

- C. AIDS patients are being fully cured cent per cent with proper care and nutrition
- D. The causative HIV retrovirus enters helper T-lymphocytes thus, reducing their numbers

**Answer: D**



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**28.** Select the correct statement from the ones given below

- A. Barbiturates when given to criminals make them tell the truth
- B. Morphine is often given to persons who have under gone surgery as a pain killer
- C. Chewing tobacco lowers blood pressure and heart rate
- D. Cocaine is given to patients after surgery as 1t stimulates recovery

**Answer: B**



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**29.** A person likely to develop tetanus is immunized by administering  
or

When a quick immune response is required due to infection of a deadly  
microbes, the patient is injected with

- A. dead germs
- B. preformed antibodies
- C. wide spectrum antibiotics
- D. weakened germs

**Answer: B**



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**30.** Globulins contained in human blood plasma are primarily involved in

- A. defence mechanisms of body
- B. osmotic balance of body fluids
- C. oxygen transport in the blood
- D. clotting of blood

**Answer: A**



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**31. Which one of the following statements is correct?**

- A. Patients, who had undergone surgery are given cannabinoids to relieve pain
- B. Benign tumours show the property of metastasis
- C. Heroin accelerates body functions
- D. Malignant tumours may exhibit metastasis

**Answer: D**



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**32.** The letter "T" in T-lymphocyte refers to

- A. thyroid
- B. thalamuls
- C. tonsil
- D. thymus

**Answer: D**



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**33.** Which of the following is a pair of viral diseases

- A. Ringworm, AIDS
- B. Common cold, AIDS
- C. Dysentery, common cold

D. Typhoid, tuberculosis

**Answer: B**



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**34.** Use of antithistamines and steroid give a quick relief from

A. allergy

B. nausea

C. cough

D. headache

**Answer: A**



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**35.** To which type of barriers under innate immunity, do the saliva in the mouth and the tears the eyes, belong?

- A. Cytokine barriers
- B. Cellular barriers
- C. Physiological barriers
- D. Physical barriers

**Answer: C**



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**36.** Match the disease in Column I with the appropriate items (pathogen/prevention/treatment) in Column II:

Column-I

Column-II

- |                     |                                      |
|---------------------|--------------------------------------|
| <i>A</i> Amoebiasis | 1 <i>Treponema pallidum</i>          |
| <i>B</i> Diphtheria | 2 Use only sterilized food and water |
| <i>C</i> Cholera    | 3 DPT vaccine                        |
| <i>D</i> Syphilis   | 4 Use oral rehydration therapy       |

A. A-(i), B-(ii), C-(iii), D-(iv)

B. A-(ii), B-(iv), C-(i), D-(iii)

C. A-(ii), B-(i), C-(iii), D-(iv)

D. A- (ii), B-(iii), C-(iv), D-(i)

**Answer: D**



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**37.** Which one of the following is correct statement regarding the particular psychotropic drug specified?

A. Hashish causes alter thought perceptions and hallucinations

B. Opium stimulates nervous system and causes hallucinations

C. Morphine leads to delusions and disturbed emotions

D. Barbiturates cause relaxation and temporary euphoria

**Answer: A**



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**38.** If you suspect major deficiency of antibodies in a person, to which of the following would you look for confirmatory evidence

- A. Serum albumins
- B. Serum globulins
- C. Fibrinogen in plasma
- D. Haemocytes

**Answer: B**



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**39.** Increased asthmatic attacks in certain seasons are related to

- A. hot and humid environment
- B. eating fruits preserved in tin containers

C. inhalation of seasonal pollen

D. low temperature

**Answer: C**



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**40.** A person showing unpredictable moods, out-bursts of emotions, quarrelsome behavior and conflicts with others is suffering from

A. schizophrenia

B. Borderline Personality Disorder (BPD)

C. mood disorders

D. addictive disorders

**Answer: A**



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**41.** Sickle cell anemia has not been eliminated from African population as

- A. it is controlled by recessive genes
- B. it is not a fatal disease
- C. it provides immunity against malaria
- D. it is controlled by dominant genes

**Answer: C**



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**42.** Both sickle cell anemia and Huntington's chorea are

- A. bacteria-related diseases
- B. congenital disorders
- C. pollutant-induced disorders
- D. virus-related diseases

**Answer: B**



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**43.** Drug addict shows symptoms of depressed brain activity, Feeling of calmness, relaxation, drowsiness. Possibly the addiction is of

A. Valium

B. Morphine

C. Hashish

D. Amphetamines

**Answer: A**



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**44.** Which one of the following is not correctly matched?

A. *Glossina palpalis* - Sleeping sickness

B. *Cupex pipiens* - Filariasis

C. *Aedes aegypti* - Yellow fever

D. *Anopheles culicifacies* - Leishmaniasis

**Answer: D**



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**45.** Which one of the following pairs is not correctly matched

A. *Streptomyces* - Antibiotic

B. *Serratia* - Drug addiction

C. *Spirulina* - Single cell protein

D. *Rhizobium* - Biofertiliser

**Answer: B**



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**46.** What is true about T-lymphocytes in mammals?

- A. They scavenge damaged cells and cellular debris
- B. These are produced in thyroid
- C. There are three main types-cytotoxic T-cells, helper T-cells and suppressor T-cells
- D. These originate in lymphoid tissues

**Answer: C**



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**47.** The terms "antibiotic " was coined by:

- A. Selman Waksman
- B. Alexander Fleming



C. Edward Jenner

D. Louis Pasteur

**Answer: A**



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**48.** Carcinoma refers to:

A. malignant tumours of the colon

B. benign tumours of the connective tissue

C. malignant tumours of the connective tissue

D. malignant tumours of the skin or mucous membrane

**Answer: D**



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**49.** Which one of the following conditions though harmful in itself ,is also a potential saviour from a mosquutio borne infectious disease?

- A. Pernicious anaemia
- B. Leukaemia
- C. Thalassemia
- D. Sickle-cell anaemia

**Answer: D**



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**50.** ELISA is used to detect viruses where the key reagent is:

- A. DNA probe
- B. RNase
- C. alkaline phosphatase
- D. catalase

**Answer: C**



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**51.** Cancerous cells can easily be destroyed by radiation due to

- A. rapid cell division
- B. lack of nutrition
- C. fast mutation
- D. lack of oxygen

**Answer: A**



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**52.** Interferons are synthesized in response to:

- A. Mycoplasma

B. bacteria

C. viruses

D. fungi

**Answer: C**



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**53. Reason of lung cancer is**

A. coal mining

B. calcium fluoride

C. cement factory

D. bauxite mining

**Answer: C**



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**54.** Which one is a correct match?

- A. Reserpine - Tranquiliser
- B. Cocain - Opiatic narcotic
- C. Morphine - Hallucinogenic
- D. Bhang - Analgesic

**Answer: A**



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**55.** LSD is

- A. hallucinogenic
- B. sedative
- C. stimulant
- D. tranquiliser

**Answer: A**



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**56. Salmonella is related with**

A. typhoid

B. polio

C. TB

D. tetanus

**Answer: A**



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**57. Which of these is most infectious disease**

A. Hepatitis-B

B. AIDS

C. Cough and cold

D. Malaria

**Answer: A**



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**58.** Small proteins produced by vertebrate cells naturally in response to viral infections and which inhibit multiplication of viruses are called

A. immunoglobulins

B. interferons

C. antitoxins

D. lipoproteins

**Answer: B**



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**59.** Bovine spongiform encephalopathy disease is equal to

- A. Kala-azar
- B. Encephalitis
- C. Cerebral spondylitis
- D. Creutzfeldt Jacob disease

**Answer: D**



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**60.** In hybridoma technology

- A. product of spore formation in bacteria
- B. hybrid cells resulting from myeloma cells
- C. nerous cells of frog
- D. only cells having oncogenes



**Answer: B**



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**61.** Koch's postulates are not applicable to

A. cholera

B. leprosy

C. TB

D. diphtheria

**Answer: B**



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**62.** Typhoid is caused by

A. Giardia

B. Salmonella

C. Shigella

D. Escherichia

**Answer: B**



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**63.** Botulism caused by *Clostridium botulinum* affects

A. spleen

B. intestine

C. lymph glands

D. neuromuscular junction

**Answer: D**



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64. AIDS virus contains or Human immuno deficiency (HIV) virus has protein coat and genetic material which is

- A. single stranded DNA
- B. single stranded RNA
- C. double stranded RNA
- D. double stranded DNA

**Answer: B**



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65. If a person shows production of interferons in his body, the chances are that he has got an infection of

or

The disease due to which maximum death in children occur is

- A. typhoid

B. measles

C. tetanus

D. malaria

**Answer: B**



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**66.** Which one of the following is an opiate narcotic ?

A. Barbiturates

B. Morphine

C. Amphetamines

D. LSD

**Answer: B**



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**67.** Which of the following symptoms indicate radiation sickness ?

- A. Red and ulcerated skin
- B. Nausea and anaemia
- C. Nausea and loss of hair
- D. Ulcerated skin, nausea and loss of hair

**Answer: D**



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**68.** Diphtheria is caused by

- A. poisons released by living bacterial cells into the host tissue
- B. poisons released from dead bacterial cells into the host tissue
- C. poisons released by virus into the host tissues
- D. excessive immune response by the host's body

**Answer: A**



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**69.** Which of the following disease is now considered nearly eradicated from India

A. Smallpox

B. Polio myelitis

C. Plague

D. Kala-azar

**Answer: A**



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**70.** Which of the following will be curable in next two decades

- A. tuberculosis
- B. cancer
- C. polio myelitis
- D. None of these

**Answer: B**



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**71. Which pair of diseases is viral?**

- A. Rabies, mumps
- B. Cholera, tuberculosis
- C. Typhoid, tetanus
- D. AIDS, syphilis

**Answer: A**



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**72.** Passive immunity was discovered by

- A. Edward Jenner
- B. Emil von Behring
- C. Robert Koch
- D. Louis Pasteur

**Answer: A**



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**73.** In which one of the following pairs of diseases both are caused by viruses?

- A. Tetanus and typhoid
- B. Whooping cough and sleeping sickness
- C. Syphilis and AIDS



D. Measles and rabies

**Answer: D**



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**74.** Hypersensitivity to an allergen is due to

- A. aberrant functioning of the immune mechanism
- B. increase in ambient temperature
- C. age of the individual
- D. food habits

**Answer: A**



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75. Retroviruses are implicated as a cause for cancer in humans because they

- A. carry gene for reverse transcriptase
- B. may carry cellular protooncogenes in their genome
- C. may carry v-oncogenes in their genome
- D. carry single stranded RNA as their genetic material

**Answer: B**



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76. Which of the following disease is due to an allergic reaction

- A. Goitre
- B. Skin cancer
- C. Hay fever
- D. Enteric fever

**Answer: C**



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**77.** Nicotine acts as a stimulant, because it mimics the effect of

A. thyroxine

B. acetylcholine

C. testosterone

D. dopamine

**Answer: B**



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**78.** The alkaloid ajmalicine is obtained from

A. Atropa

B. Papaver

C. Curcuma

D. Sarpgandha

**Answer: D**



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**79. Opiate narcotic is**

A. bhang

B. charas

C. heroin

D. nicotine

**Answer: C**



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**80.** Cells involved in immune mechanism are:

- A. erythrocytes
- B. lymphocytes
- C. eosinophils
- D. thrombocytes

**Answer: B**



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**81.** Analgesic drugs

- A. form tissues
- B. relieve pain
- C. relieve fatigue
- D. cause pain

Answer: B



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