

GREENLAWNS HIGH SCHOOL
FINAL EXAMINATION YEAR 2018

SUBJECT : BIOLOGY
TIME : 2 HRS.

CLASS : IX
MARKS : 80

You will not be allowed to write during the first 10 minutes. This time is to be spent in reading the question paper. This paper has 2 sections. Section I is compulsory section. Section II has 5 questions. Solve any 4.

SECTION - I

Question 1.

[10]

a) Name the following:

- i. Full form of DDT
- ii. Fish that devour mosquito larvae.
- iii. Type of waste that can be decomposed.
- iv. An institute at Bombay producing anti-venine.
- v. Place where headquarters of WHO is.
- vi. Residue obtained after extraction of the juice from sugarcane.
- vii. 3 parts of a nail.
- viii. Protein present in skin.
- ix. World AIDS day.
- x. Pigment present in skin.

b) Define:

[5]

- i) Immunity
- ii) Vector
- iii) Antibiotics
- iv) Poikilothermal
- v) Hygiene

c) Name the vaccines developed for the following diseases.

[4]

- i) Typhoid
- ii) Polio
- iii) Tuberculosis
- iv) Snake bite

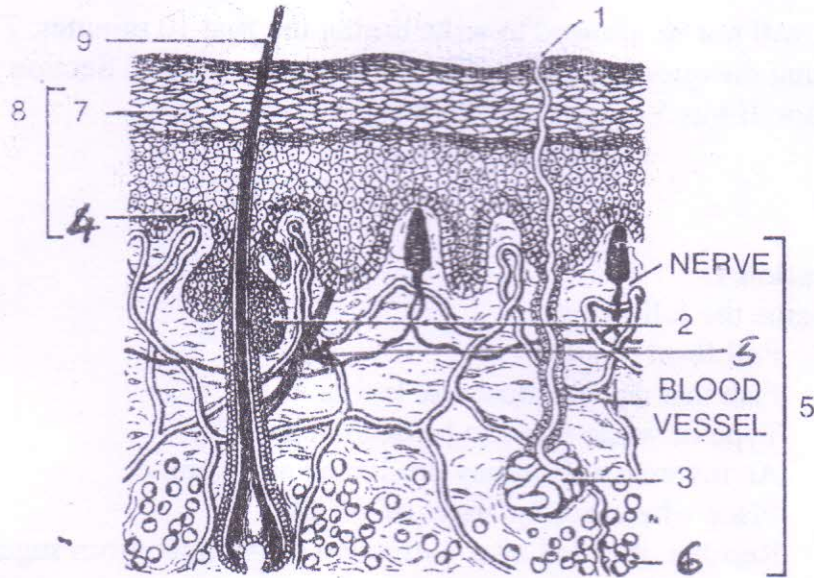
Remember to give full name.

d) Give 1 difference between the following.

[3]

- i) Antibody/antigen
- ii) Albinism/ leucoderma
- iii) Antiseptic/ disinfectant

e) Drawn below is a diagram of the T.S. of the skin. Study it and answer the questions that follow. [7]



- i) Label parts 1,2,3,4
- ii) Give function of 5 and 6
- iii) What is the importance of the secretion from 7.
- iv) List any 4 functions of the skin.

f) Describe the 4 categories of vaccines. [2]

g) Give reasons for the following [5]

- i) Heat stroke can be fatal
- ii) Segregation of waste is important
- iii) Our hair 'stands' when it is cold.
- iv) Small dose of live virus is given as a vaccine
- v) No pain is experienced during a haircut

h) i) Explain the process of 'Vasodialation'. [4]

ii) Describe 4 ways in which heat is lost from our body.

SECTION B
SOLVE ANY 4 QUESTIONS

Question 2.

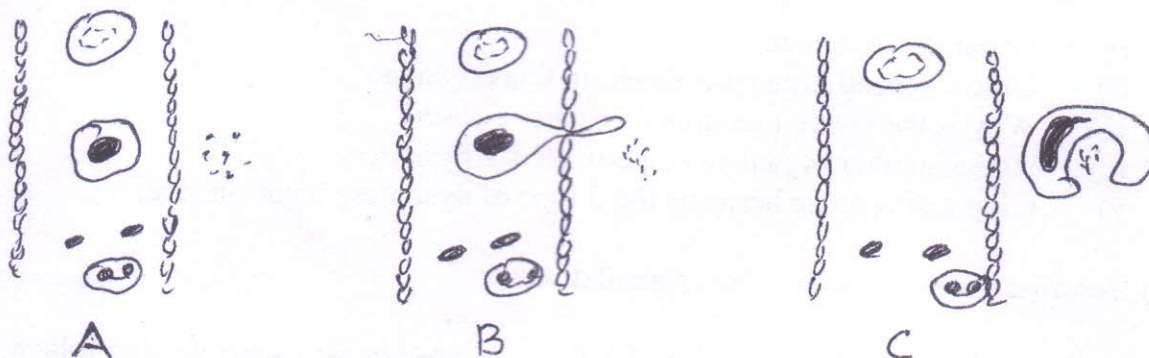
a) Complete the following table.

[6]

Mosquito	causative agent	disease
A	B	Malaria
Culex	C	D
E	dengue virus	F

b)

[4]

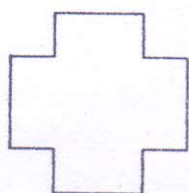


- Name A,B,C
- Define the process in A
- What is the importance of C
- List 3 merits of local defence system.

Question 3.

[5]

a)

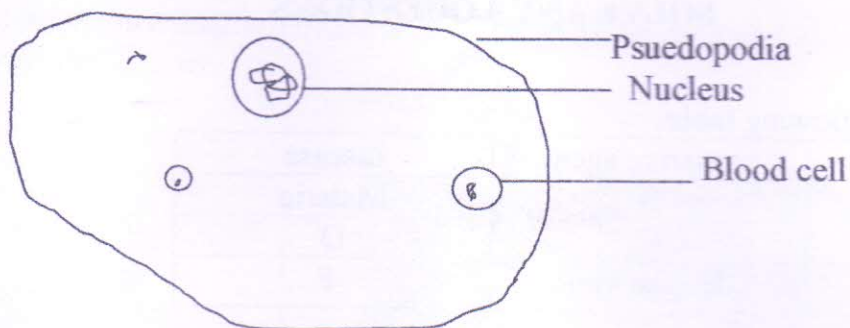


- Name the organization represented by the above symbol.
 - When was it founded
 - List 4 major activities of their organization.
- b) With respect to the skin.
- Name the 3 layers of the epidermis.
 - Name 4 derivatives of the skin.
 - Give the difference pimples and acne
 - Why are blackheads formed.

[5]

Question 4.

a)

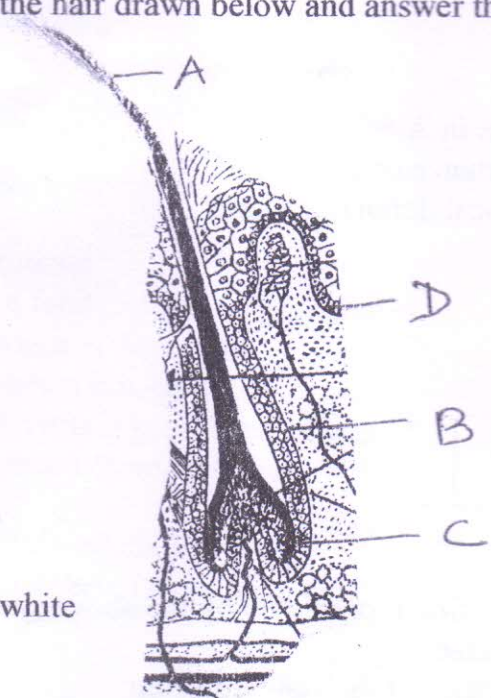


Drawn above is a diagram of an organism responsible for amoebic dysentery. [5]

- i) Name the organism.
- ii) Give a special organelle absent in this organism.
- iii) Why is the above mentioned organelle absent
- iv) Name another organism responsible for dysentery.
- v) Give a difference between the 2 type of dysentery mentioned above.

b) Describe 4 ways in which flies spread disease. [2]

c) Study the diagram of the hair drawn below and answer the questions that follow: [3]



- i) Name A,B,C,D.
- ii) Why do hair become white

Question 5.

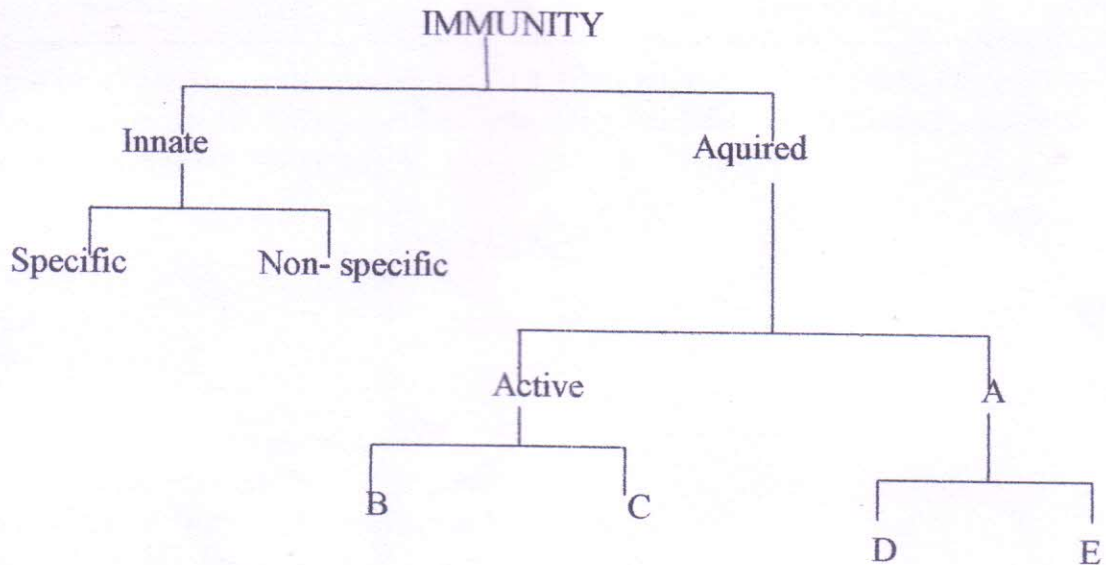
a) With respect to antibiotics

[5]

- i) Name the first antibiotic to be discovered?
- ii) Who discovered it?
- iii) Name 2 other antibiotics that are being used apart from.
- iv) Explain how penicillin and streptomycin act differently to destroy pathogens.
- v) Name 2 sulpha drugs

b) Complete the following table by giving one example of each

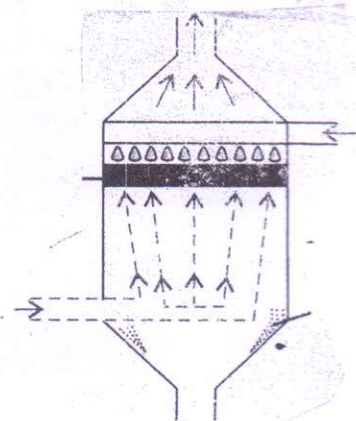
[5]



Question 6.

a)

[5]



- i) Identify the device drawn above
- ii) Explain how it works
- iii) Explain the working of an electrostatic precipitator
- iv) List 2 example of each category of wastes.

b) List 5 local barriers that help the body protect itself.
Explain their functioning.

[5]