

STD VI A,B,C

GREENLAWNS HIGH SCHOOL

GENERAL SCIENCE

FINAL EXAMINATION FOR THE YEAR 2017-18

TIME : 1 ½ Hrs.

MARKS : 80

- Read the questions carefully
- All answers to be written in the answer booklet provided
- Be neat in you work

Q1. Fill in the blanks:

[10]

- The water that is fit for drinking is called \_\_\_\_\_ water.
- A pulley is used to change the \_\_\_\_\_ of applied force.
- Light travels in a \_\_\_\_\_ path.
- The sun is a \_\_\_\_\_ source of light.
- The saltiness of sea water is called \_\_\_\_\_.
- \_\_\_\_\_ is a mixture of two or more substances.
- A \_\_\_\_\_ is a collection of water in a sufficiently large low lying area surrounded by land.
- Bronchus branches into smaller tubes known as \_\_\_\_\_.
- Breathing is \_\_\_\_\_ phenomenon and respiration is a \_\_\_\_\_ phenomenon.

Q2. State whether the following statements are true or false. If false correct only the underlined word and rewrite the sentence. [5]

- Small intestine is the last organ of the digestive system.
- The gastric juices are secreted by the secrete glands of the stomach.
- Nasal cavity is the first part of the respiratory system.
- Burning of fuels releases oxygen into the air.
- River water is the purest form of natural water.

[1]

Q3. Match the following pairs.


[5]

- |                       |                             |
|-----------------------|-----------------------------|
| a) bag like structure | i) haemoglobin              |
| b) platelets          | ii) bad conductor           |
| c) WBC                | iii) clotting of blood      |
| d) RBC                | iv) oesophagus              |
| e) Pure water         | v) stomach                  |
|                       | vi) fight against infection |

Q4. Define the following:

- |                      |     |
|----------------------|-----|
| a) Underground water | [1] |
| b) Rain water        | [1] |
| c) Water cycle       | [1] |
| d) Nitrogen cycle    | [1] |
| e) Photosynthesis    | [2] |
| f) Green house gases | [1] |
| g) Atmosphere        | [1] |
| h) Septum            | [1] |
| i) Combustion        | [1] |

Q5. Answer the following :

- |   |     |
|---|-----|
| a) What are vessels?  | [1] |
| b) What are capillaries?  | [1] |
| c) Write one function of valves.  | [1] |
| d) Observe this diagram  of a tooth (with its root). Name the type of tooth. |     |

Is this likely to be of more use to a herbivore or a carnivore?. What function does this type of tooth perform? [3]

- |  |     |
|--|-----|
| e) Write the word equation of photosynthesis.                              | [2] |
| f) Name the digestive juice produced in the mouth. What are its functions? | [2] |
| g) List out two functions of a machine.                                    | [2] |
| h) Define Simple Machine. Name the types of simple machines.               | [4] |
| i) List out three functions of blood.                                      | [3] |

[2]

Q6. Differentiate between the following pairs.

- a) Veins and arteries (two functions each) [2]
- b) Luminous and non-luminous bodies (one difference) [2]
- c) Transparent, translucent and opaque substance [one difference each] [3]
- d) Input energy and output energy [one difference] [2]

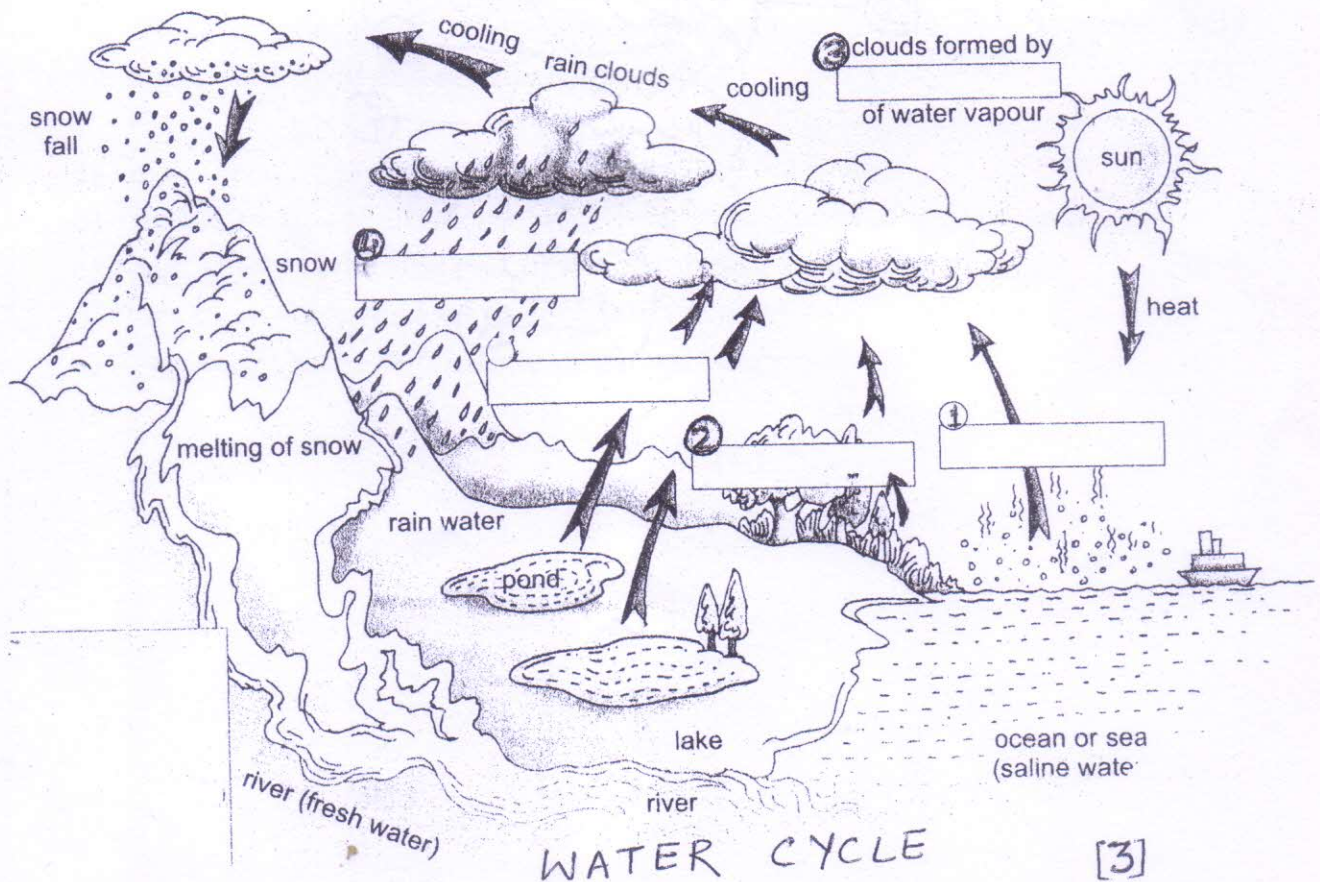
Q7. Name the class to which the following levers belong: [3]

- a) A pair of scissors
- b) a lemon squeezer
- c) a nut cracker
- d) a pair of sugar tongs
- e) a beam balance
- f) an oar of a rowing boat

Q8. Give suitable explanations of the following : [5]

- a) Water is a universal solvent.
- b) Drinking water has a pleasant taste.
- c) Nitrogen has to be fixed.
- d) Ozone layer is useful.
- e) Water regulates our body temperature.

Q9. Label the parts 1 to 4 of water cycle diagram. [4]



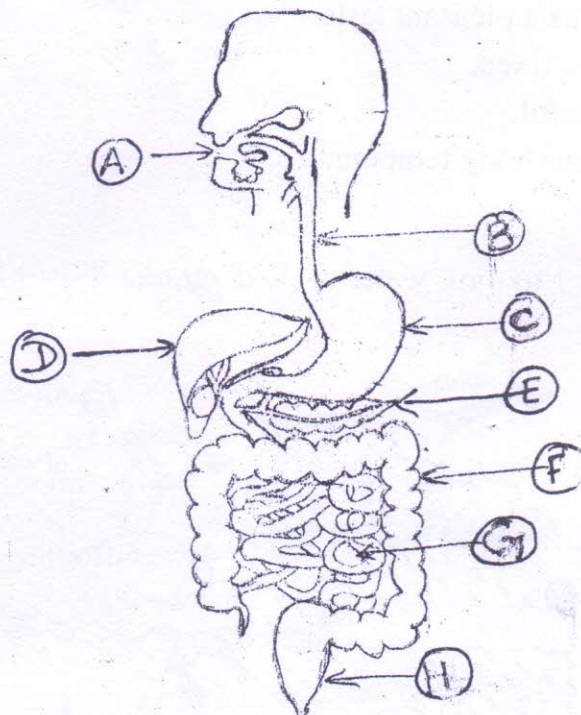
Q10. Draw neat labelled diagram of parallel beam, convergent beam and divergent beam of light. [3]

Q11. Observe the given diagram and answer the questions given below. [4]

a) Label the parts A to H. [2]

b) Secretion of parts labelled D and E. [1]

c) Write the function of part F. [1]



[4]