



# Brilliant Academic Council

Final Term Assessment - 2018-19

Class : VIII

Subject : Science

Time : 3:00 Hours

Date : 08-03-19

M.M. : 80

Day : Friday

## General instruction :

- Attempting questions are compulsory.
- All the answers should be written in the provided answer sheet with correct question number.
- Do not write anything in the Question Paper except your Roll No.
- Overall choices are not given but internal choices are given.
- Draw diagram using pencil and label them in block letters.
- Only blue colour ball point pen should be used for writing. Outline to be drawn after the completion of every answer with pencil
- Support the answer with diagram if required, draw a right side margin to do the rough work / calculation.
- Section A consists of 4 questions and Section B consists of 7 questions.

## (Section - A)

**I. Answer the following questions in one word. (1x2=2m)**

- Name the brightest star in the sky.
- Which cell transmits messages between the brain and other parts of the body?

**II. Answer the following questions. (20-30 words) (2x3=6m)**

- Name a cell which can be seen with the unaided eye. How nucleus is separated from cytoplasm ?
- Define electroplating ? Write its one use.
- What is the function of larynx?

**III. Answer the following question (40-60 Words). (3x10=30m)**

- Differentiate between internal and external fertilisation with example.
- A boy is standing at a distance of 4 m in front of a mirror. He moves 2m towards the mirror. In which direction will the image move-towards the mirror or away from it.
- What is a constellation? Name any two constellation.

(Or)

Can you store lemon pickle in an aluminium utensil? Explain.

- What are sex hormones? Why are they named so ? State their function.

(Or)

Differentiate between zygote and foetus.

- What is called as phases of the moon. Name any two festivals celebrated according to phases of the moon.

(Or)

A pendulum oscillates 25 times in 2.5 seconds. Find its time period and frequency.

- If you try to hold a glass with oil in your hands, it tends to slip. Why?
- State laws of reflection with diagram ?

(Or)

Explain Binary fission in amoeba with diagram.

8. Differentiate between Audible & Inaudible sound. Which part of flute vibrates to produce sound?

(Or)

Sneha was studying in her room when she got disturbed by the annoying sounds made on the loudspeaker outside. She saw her grandfather, a heart patient, in discomfort too by the the noise. She went to the people using loudspeaker and asked them to slow it down and explained to them the health hazard linked to noise.

**Now answer the following question:**

- a) What are the ill effects of noise?
- b) What values were displayed by Sneha?

9. Name two objects other than planets which are members of the solar system. Explain them

(Or)

Is it safe for the electrician to carry out electrical repairs outdoors during heavy downpour ?  
Explain.

10. Explain why sports men use shoes with spikes ? What is frictional force exerted by fluids is called ?

(Or)

Explain why sliding friction is less than static friction.

**IV. Answer the following question (50-80 Words) (Any 6) :**

**(5x6=30m)**

1. (a) Draw a labelled sketch of human eye.  
(b) Explain how can you take care of your eyes? (any-3)
2. How sex determination in the unborn baby is determined ? Show with diagram.
3. Define metamorphosis. Explain life cycle of frog with label diagram?
4. Draw mind map on types of hormones secreted by glands in human body.
5. (a) Difference between eukaryotes and prokaryotes.  
(b) Why chloroplasts are found only in plant cells.
6. (a) Show different zones of candle flame diagrammatically.  
(b) Why CO<sub>2</sub> is the best extinguisher in case of fire of electrical equipments and inflammable materials?
7. What is an artificial satellite? Name any two artificial satellite launched by our country. What the use of satellite?

**Section - B**

**V. Answer these question (Any - 6) :**

**(2x6=12m)**

1. Give Reason
  - a) Immersion rods for heating liquids are made up of metallic substance.
  - b) Water is not used to control fires involving electrical equipment.

2. Answer the following in one word :

a) Cells with nuclear material and without nuclear membrane.....

b) Endocrine glands that secrete insulin.....

3. How will you identify when metal reacts with acids, which gas is released during this reaction?

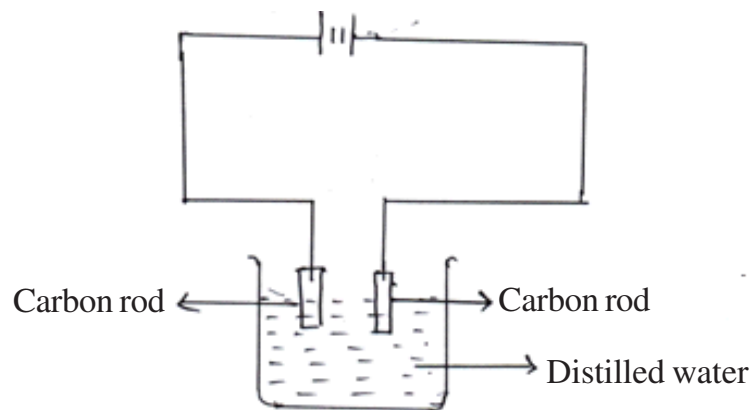
4. What type of combustion is represented by (a) ignition of a cracker? (b) Burning of LPG in a gas stove?

5. Which effect of electric current is utilised for detecting the flow of current through a solution :

a) When a torch bulb is used?

b) When a compass is used?

6. Correct the diagram to pass the electric current.



7. Why porter place a round piece of cloth on their head?