Brilliant Public School

Seepat Road Bahatarai, Bilaspur (C.G.)
Annual Examination, 2017-18
Class – VII
Subject –Science

TIME: 2:30Hrs.   M.M.80
Date: 05 March 2018   Monday

General instructions:
a) Attempting questions are compulsory.
b) All the answers should be written in the provided answersheet with correct question number.
c) Do not write anything in the Question Paper except your Roll No.
d) Overall choices are not given but internal choices are given.
e) Draw diagrams using pencil and label them in block letters.
f) Only blue colour ball point pen should be used for writing. Outline should be drawn after the completion of every answer with pencil.
g) Support the answer with necessary diagram if required. Draw a right side margin to do the rough work/ calculations.
h) *IV. is a value based question.

Section-A

I.   Answer the following in one word.   2x1=2

1. Write the fundamental unit of speed.

2. Name the substance which turns blue litmus paper into red.

II.   Short answer type question in 20 to 30 words.   3x2=6

1. Which organ produces bile juice? Which component of the food does it helps to digest?

2. What is neutralization?

3. Name the male and female reproductive part of a flower.

III.   Short answer type question in 30 to 50 words. (any 9)   9x3=27

1. Why does an athlete breathe faster and deeper than usual after finishing the race?

2. Write the importance of blood in our body.

3. A simple pendulum takes 32 seconds to complete 20 oscillations. What is the time period of the pendulum?

4. There are ten tube wells in a lane of fifty houses. What could be the long term impact on the water table?

5. Why CFL is considered better than a filament based electric blub?

6. Write two difference between convex and concave lens.

7. Write the characteristics of the image formed by plane mirror.

8. What are decomposers? Name any two of them. What do they do in forest?

9. Why oils and fats should not be released into the drain? Explain.

10. Draw the pie chart showing the composition of air in atmosphere.

*IV. Nikita, a student of class VII. One day studied about water conservation in the science class. As she returned home, she called her friends and with their help prepare pamphlets on 'Save Water' and distributed in the colony. (3)

1. What values are shown by Nikita?
2. Why we need to save water?

V. Long answer type questions in 50 to 70 words. (any 6) (6x5=30)

1. What is breathing rate? Draw the diagram of human respiratory system.
2. Differentiate between-
   i. Pulmonary artery and artery.
   ii. Artery and vein.
3. What is aquifer? What is water table?
4. Explain three different methods of asexual reproduction in plants with well labelled diagram.
5. What are the reasons for excessive current flowing through a circuit?
6. Define;
   i. Canopy
   ii. Crown
7. Write three difference between acids and bases. Give two examples for each.

Section –B

VI. Answer the following question in 30-40 words: (any 6) (6x2=12)

1. How will you join the terminals of three batteries together so that the current will flow in circuit?
2. Draw the diagram of yeast. How do they reproduce?
3. What do you mean by time period of a simple pendulum?
4. Which glass can focus the light rays to a spot?
5. Why it is advised not to push the bob during taking reading in a simple pendulum.
6. What precaution should we take while using acids in experiments
7. Draw the diagram of amoeba. How do they reproduce?

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