

NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH

(PEEVES SCHOOLS, K.S.A.)

Affiliated to CBSE – New Delhi.



SUMMATIVE ASSESSMENT –2(2016 -2017)

Subject:SCIENCE

Date:07/03/2017

Set: A

Duration: 2 ½ Hrs.

Class: 7 Sec:

Max. Marks: 80

Name: _____

Roll No. : _____

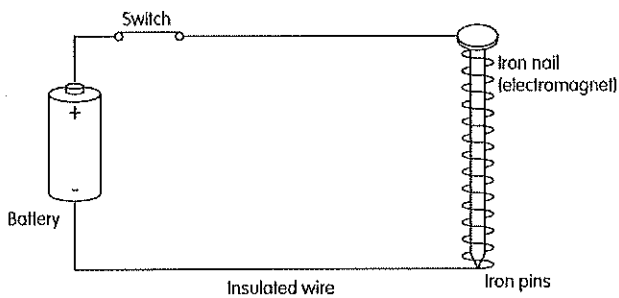
Instructions to the Candidates:

1. Please check that this question paper contains all the printed pages.
2. Read each question carefully and follow the instruction.
3. Do not write anything in the margin.
4. Question number 1 to 5 are one mark questions 5 ✓
5. Question number 6 to 15 are two mark questions 20 ✓
6. Question number 16 to 24 are three mark questions 27 ✓
7. Question number 25 to 28 are five mark questions 20 ✓
8. Question numbers 29 to ~~34~~³³ in Section- B are objective questions. } - (1) ✓

SECTION A

1. Tamarind and raw mangoes taste sour. Which substance makes them sour?
2. Which part of the flower carries male sex cells?
3. Name two household appliances where electromagnets are used.
4. Which lens concentrate incoming rays towards a single point?
5. What type of lens does the human eye have?
6. Vinegar contains acetic acid .Will it conduct electricity? Why?
7. What is dialysis ?
8. a. Write any 2 instruments which were used to measure time in ancient periods.
b. Why is it not possible to capture a image formed by a plane mirror ?
9. Why some parts of our body such as palms of our hands produce more sweat? What is the composition of sweat?
10. What happens to ovary, ovule and petals after fertilisation in a flower?
11. How can reducing the burning of fossil fuels help to reduce acid rain?

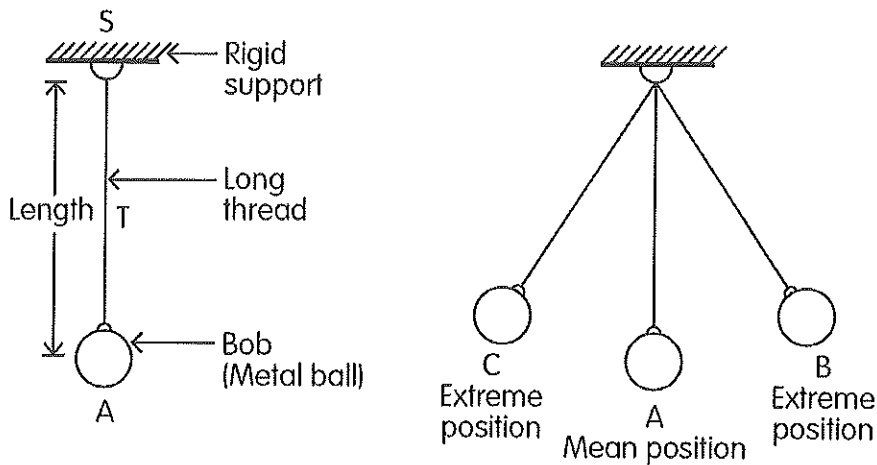
12. How is self pollination different from cross pollination?
13. Can feces be called an excretory product? Why or Why not?
14. Why does microscope need convex lenses?
15. A bird travels a distance of 270 kilometers in 6 hours. Calculate its speed in km/ h and m/s.
16. Look at the diagram and answer the questions.



- A. Write 2 ways in which you can increase the strength of this electromagnet.
- B. Which component is known as solenoid?
17. When a concave mirror is used to reflect the sun's rays and its reflected light is captured on a piece of paper, it begins to burn. Why?
18. What can happen if a person sweats too much?
19. Dispersal of seeds prevents overcrowding and competition among plants. Explain
20. What are the properties of image formed by the concave mirror and image formed by convex mirror?
21. What are the advantages and disadvantages of electromagnet over bar magnet?
22. What is the formula to calculate average speed? A car covered 120 kilometer in first hour and 100 kilometer in second hour and 110 kilometer in third hour. Calculate average speed of car
23. When Shayam looked at his science text book through a lens, he found that the letters were smaller than they actually were. What kind of lens do you think Shayam was looking through? What are the features of images formed by this lens? If Shayam used another type of lens, what will be the features of the image formed?
24. How can you distinguish between the two types of lenses based on their shape?
25. How does an electromagnet magnet make an electric bell work?

26. Rima made a simple pendulum by hanging a metal bob on a long string from a rigid support. She then took the bob to one extreme position and released it.

It took 30 seconds for the bob to make 15 oscillations.



(a) Define these terms about a simple pendulum: Amplitude, Mean position and oscillation

(b) The time period of a simple pendulum is the amount of time it takes to complete 1 oscillation. Calculate the time period of the simple pendulum.

27. Draw male and female reproductive parts in a flower. Label and write the function of each part.(any three)

28. Explain the role of various natural forces like wind, water, and insects in helping pollination in flowers.

Section B

29. What is the role of Kidneys?

- (a) Maintain water balance (b) Removes excess water
(c) Forms Urine (d) All of the above

30. The scattering of seeds to different places is called.

- (a) Fertilization (b) pollination
(c) Dispersal (d) germination

31. Reading glasses are always _____ lenses

- (a) Convex (b) Concave
(c) Concave and Convex (d) Plane

32. The urine exits the body through an opening called

- (a) urethra (b) ureter
(c) vena cava (d) bladder

33. White light is composed of _____ colours

- (a) 6 (b) 5
(c) 8 (d) 7

34. Choose the correct option and Fill in the blanks :-

A. During fertilization in flowers, the male gametes fuse with the female gametes in the ovules to form a zygote. After this the _____ (ovary/ovule) changes into a seed while the _____ (ovary/ovule) changes into a fruit.

B. Water that we drink is constantly removed from our body along with other substances as a part of urine, _____ (sweat/feces) and _____ (exhaled breath/dead skin).

C. _____ (Convex/Concave) lenses are used in magnifying glasses while _____ (convex/concave) lenses are used in peepholes in doors.
