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REGIONAL OFFICE VARANASI(2016-17)

SUMMATIVE ASSESSMENT II

CLASS: VII

MAX MARKS: 60

SUBJECT: SCIENCE

MAX TIME: 2 hours 30 min

General Instructions:

1. All questions are compulsory
2. Question 1 to 3 consists of five parts (one mark each) to be answered in one word or in right way.
3. Question no.4 is multiple choice question consists of five parts (one mark each). Choose most appropriate answer.
4. Question no. 5 to 10 are of 2 marks each to be answered in 10 words.
5. Question no. 11 to 16 are of 3 marks each to be answered in 20 words.
6. Question no. 17 and 18 are of 5 marks each (Long answer type).

Ques 1. Fill in the blanks.

- a) An image that cannot be obtained on screen is called _____ image.
- b) Image formed by a convex _____ is always virtual and smaller in size.
- c) An image formed by a _____ mirror is always of the same size as that of object.
- d) An image which can be obtained on screen is called _____ image.
- e) An image formed by a concave _____ cannot be obtained on screen.

Ques 2. Match the item in column I with those in column II.

S.no.	Column I	Column II
a.	Bud	Maple
b.	Eyes	Spirogyra
c.	Fragmentation	Yeast
d.	Wings	Bread moulds
e.	Spores	Potato

Ques 3. Mark (T) if statement is true and (F) if statement is false.

- a. During heavy exercise breathing rate of a person is slow down. ()
- b. Plants carry out photosynthesis during day and respiration only at night ()
- c. Frog breathes through their skin as well as their lungs. ()
- d. Fishes have lungs for respiration. ()
- e. Size of chest cavity increases during inhalation. ()

Ques 4. Choose most correct option (Multiple choice questions)

- i. Blood clots due to:
(a) RBCs (b)WBCs (c)Platelets (d)None of these
- ii. Water is transported by:
(a)Xylem (b)Phloem (c)stomata (d)Root hairs
- iii. Reproductive part of plant is the:
(a) Leaf (b)stem (c)Root (d)Flower
- iv. Which of the following is not a forest product:
(a) Gum (b) plywood (c) sealing wax (d) kerosene
- v. Microorganisms act upon dead plants to produce:
(a) Sand (b) Mushroom (c)Humus (d) Wood

Ques 5. Why colour of blood is red?

Ques 6. Which soil has smallest particle and where is it used?

Ques 7. What is battery? Write its use.

Ques 8. How does sewage form?

Ques 9. Write the name of four forest products.

Ques 10. Give two differences between concave and convex mirror.

Ques 11. How cross pollination occurs?

Ques 12. What is electric circuit? Explain with diagram.

Ques 13. Differentiate between aerobic and anaerobic respiration.

Ques 14. When a candle burns both physical and chemical changes take place. Explain how.

Ques 15. Write functions of xylem and phloem tissues.

Ques 16. Write the symbol of following electric components.

(a) electric cell

(b) electric bulb

(c) switch in on position

Ques 17. Razia conducted an experiment related to rate of percolation. She observed that in 20 minutes 100ml water percolates through soil. Calculate the rate of percolation.

Ques 18. Draw the labelled diagram of human excretory system.