



WORKSHEET 3

GRADE: VII ANNUAL EXAMINATION

SUBJECT: SCIENCE

Multiple Choice questions

1. Electric current is the flow of
(a) Proton (b) Electron (c) Neutron (d) Positron
2. Which of the following materials is a conductor?
(a) Silver (b) Plastic (c) Cloth (d) Rubber
3. A device which prevents or allow the current to flow through it
(a) Motor (b) Conductor (c) Switch (d) Terminal
4. When two or more cells are joined together it forms a
(a) Dynamo (b) Transistor (c) Battery (d) Insulator
5. Bouncing back of light in the same medium is called
(a) Refraction (b) Reflection (c) Rarefaction (d) Retardation
6. When light bounces off a surface, the surface is
(a) Reflector (b) Opaque (c) Transparent (d) Translucent
7. A common magnifying glass is an example of
(a) Concave mirror (b) Convex mirror (c) Convex lens (d) Concave lens
8. Shaving mirror are usually
(a) Concave (b) Convex (c) Plane (d) Biconvex
9. Reproductive part of a plant is the
(a) Root (b) Flower (c) Stem (d) Leaf
10. The process of fusion of the female and the male gametes is called
(a) Fertilization (b) Seed formation (c) Reproduction (d) Layering
11. In the flowering plants, male gametes are formed inside the
(a) Pistil (b) Ovary (c) Ovule (d) Anther
12. The mature ovary forms the
(a) Seed (b) Pistil (c) Fruit (d) Stamen

Matching

13. Match the following:

Column A	Column B
a. Switch	i. Heating effect
b. Electric cell	ii. Insulator
c. Rubber	iii. Produce electricity
d. Copper	iv. Close and open the circuit.
e. Electric heater	v. Conductor

14. Match the following

Column A	Column B
a. Real image	i. Image behind the mirror
b. Virtual image	ii. Image in front of the mirror
c. Plane mirror	iii. Side mirror in scooters
d. Concave mirror	iv. Kaleidoscopes
e. Convex mirror	v. Reflectors in car headlights

15. Match the following :-

Column A	Column B
(a) Stems	(i) Maple
(b) Spores	(ii) Yeast
(c) Bud	(iii) Potato
(d) Wings	(iv) Rose
(e) Eyes	(v) Bread mould

Fill in the blanks.

16. A group of two or more cells is called a _____.
17. A device that breaks the circuit is called a _____.
18. In an electric circuit the electrons flow from _____ terminal to the _____ terminal.
19. Metals are _____ conductors.
20. A device which converts electric energy into light energy is _____.
21. Bodies which give out their own light are called _____.
22. Regular reflection takes place from the _____ surfaces.
23. A _____ refers to a collection of rays.
24. _____ Mirror is used as a rear view mirror in automobiles.
25. White light is composed of seven _____.

26. The male reproductive part of flower is _____.
27. The male gametes and the female gamete join to form a single cell called _____.
28. _____ is ripened ovary.
29. Potato is a modified _____.

Short Answer questions

30. Why do we use nichrome in an electric heater?
31. What is a fuse? Write its function?
32. Write difference between a cell and a battery?
33. Give one word for the following:
- Path of electric current
 - A device that create potential difference.
 - A safety device that protects appliances from overloading and short circuit.
 - Magnet produced by electricity.
34. How is rainbow formed?
35. What is spectrum?
36. Write the laws of reflection?
37. Write difference between real and virtual image?
38. What is pollination? Name two types of pollination.
39. What is vegetative reproduction? Write its advantages.
40. Write the difference between asexual and sexual reproduction?
41. Name the type of asexual reproduction in the following organisms :-
(a) Yeast (b) Bread mould (c) Rose (d) Banana (e) Spirogyra
42. Which type of pollination does the Figure 12.1 indicate?



Fig. 12.1

43. One morning as Paheli strolled in her garden she noticed many small plants which were not there a week ago. She wondered where they had come from as nobody had planted them there. Explain the reason for the growth of these plants.