



NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, K.S.A

Affiliated to CBSE – New Delhi

REVISION WORKSHEET 2018-19

Grade : 7

Block 22, 23, 24, 26, &29

I. MULTIPLE CHOICE QUESTIONS

1. Electric cell can be arranged in and
- a) zigzag , series b) parallel. Series c) series, complex d) complex, zigzag
2. Which of the cells can be recharged?
- a) primary b) secondary c) light d) tertiary
3. Electric fuse uses a wire
- a) insulated b) long c) thin d) thick
4. The safety device used to break the electric circuit is
- a) bulb b) battery c) Electric iron d) Electric fuse
5. The coil of an electromagnet is known as
- a) electric bell b) solenoid c) bar magnet d) paper heater
6. The electric bell works on the principle of effect of electric current.
- a) heating b) magnetic c) chemical d) physical
7. Reading glasses are always..... lenses.
- a) concave b) convex c) plane d) neither concave nor convex
8. The splitting of light into seven constituent colours is called
- a) dispersion b) combination c) reflection d) refraction
9. is treated to generate biogas in sewage treatment plants.
- A_ scum b) sewage c) sludge d) both b and c
10. Scum is removed from sewage water with a
- a) scraper b) skimmer c) aeration d) disinfection

II Short Answer questions

1. Which arrangement of electric cells in a battery provides high voltage ?
2. What is a battery?
3. Draw the circuit symbol for open switch and closed switch.
4. Write the full form of CFL.
5. What is the role of electric fuse in an electric circuit?
6. Define electromagnetism.
7. Why electromagnets are called temporary magnets?
8. Which kind of magnets always shows magnetic properties?
9. List some uses of lenses.
10. Name the lens which converge the light.
11. What will happen when a paper if the sun's rays are passed through a magnifying glass on paper?
12. Name the seven colours produced when white light passed through a prism.
13. What kind of contaminants are removed by a bar screen?
14. Name any two infectious diseases caused as a result of accumulated sewage.
15. What are alternative methods of sewage disposal?

III. ANSWER IN DETAIL.

1. Define circuit diagram. Draw a circuit diagram using an electric switch, three electric cells connected in parallel, an electric bulb and electric wires.
2. How is the series arrangement of electric cells in a battery different from parallel arrangement? Draw the diagrams to support your answer.
3. What are the roles of miniature circuit breaker .Do all MCBs have same current limit?
4. Explain in detail how an electric bell works.
5. Describe the advantages of electromagnets over Permanent magnets.
6. Cameras have a convex lens. What kind of image do they form? Why?
7. What are the advantages of sewage treatment plant? Give two disadvantages also.
8. Explain the different steps take place in sewage treatment plants.