

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

**Affiliated to CBSE – New Delhi**

**WORKSHEET -II**

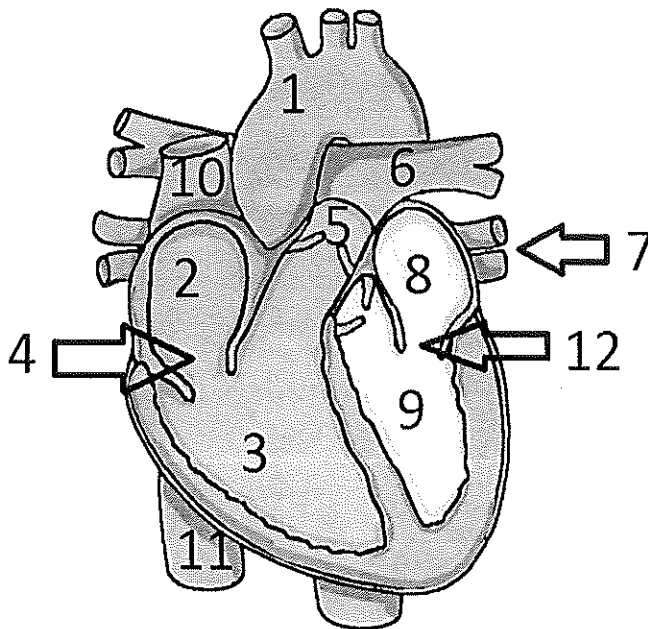
**ANNUAL EXAM, 2017-18**

**Class: VII**

**Subject: Science**

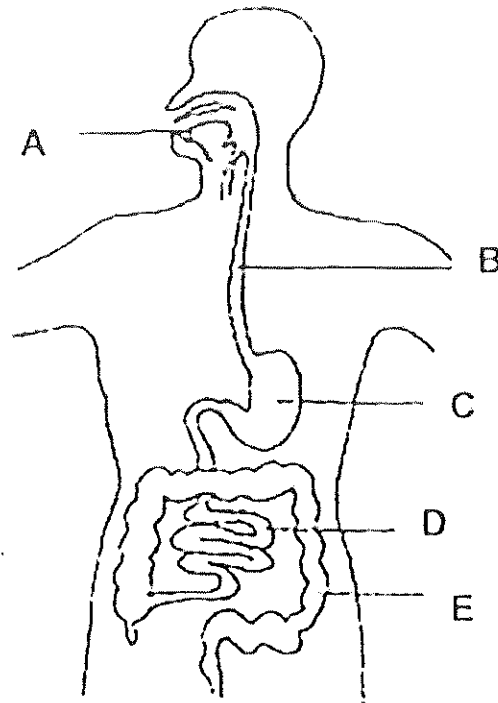
**Blocks 2,5,13,14,15,20,22,25,29**

1. Name the instrument used to measure blood pressure.
2. Glucose is considered as the source of instant energy, why?
3. Why primary cells are called dry cells?
4. What do you mean by the statement: "A car is moving at a speed of 50 Km per hour"?
5. Why parallel connection is preferred over series connections?
6. Explain the mechanism of respiration in fishes .
7. How can we get an image of the same size as the object in a concave mirror?
8. Identify the parts labelled as 4, 7 and 12 in the following diagram:



9. The odometer of a car reads 57321.0 km when the clock shows the time 08:30 AM. What is the distance moved by the car, if at 08:50 AM, the odometer reading has changed to 57336.0 km? Calculate the speed of the car in km/min during this time. Express the speed in km/h also.
10. Give the function of valves present in the veins.
11. Convert to Fahrenheit scale (a)  $50^{\circ}\text{C}$  (b)  $80^{\circ}\text{C}$
12. What type of salt is formed when a strong acid reacts with a strong base? Why?
13. If one wall of a room is covered by a plane mirror, the room appears bigger. Why?
14. Differentiate between arteries and veins.
15. Explain the role of diaphragm in the process of respiration.
16. A simple pendulum takes 15 seconds to complete 5 oscillations. What is the time period of pendulum?
17. Why is biological treatment important in a sewage treatment plant?
18. Draw a circuit diagram using an electric switch, three electric cells connected in parallel, an electric bulb and connecting wires?
19. A train travels 5 Km in the first 10 minutes, 10 Km in the next 10 minutes, 20 Km in the next 10 minutes and 30 Km in the next 10 minutes. What type of motion is exhibited by the train? Calculate its average speed in m/s?
20. What role does hair present in nasal cavity play in the process of respiration?
21. Give an advantage of digital thermometers over analog thermometers.
22. What is the role of villi in the small intestine?
23. Describe the process of nutrition in amoeba.
24. Why does the mercury not fall or rise in a clinical thermometer when taken out of the mouth?
25. Why Calamine solution is applied on the skin when an ant bites?
26. Differentiate between aerobic and anaerobic respiration?
27. Oils and fats should not be released in the drain. Explain why?
28. Why concave mirror is called a converging mirror and a convex mirror is called a diverging mirror?

29. Identify the parts labeled as A, B, C, D and E in the figure:



**30. Multiple choice questions:**

i. The SI unit of temperature is

- a. Celsius
- b. Fahrenheit
- c. Kelvin
- d. Centigrade

ii. The type of mirror used by dentist

- a. Concave
- b. Convex
- c. Plane

d. Concavo-convex

iii. In cockroaches air enters the body through

- a. Spiracles
- b. Lungs
- c. Gills
- d. Skin

iv. The salt formed by the reaction of hydrochloric acid and sodium hydroxide

- a. Hydrogen chloride
- b. Sodium chloride
- c. Magnesium chloride
- d. Sodium carbonate

v. The place where the exchange of gases take place inside the lungs

- a. Bronchus
- b. Alveoli.
- c. Trachea
- d. Diaphragm

vi. Water gets contaminated and scarcity of clean water is due to:

- a. People take baths and wash clothes in rivers and lakes.
- b. Many people bathe their animals in rivers and lakes.
- c. Increase in the population, industries and improper disposal of waste
- d. All of the above.

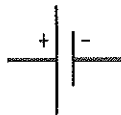
vii. During exhalation, the ribs

- a. move down and inwards
- b. move upwards
- c. move outwards
- d. do not move at all

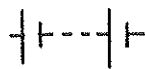
viii. The symbol for battery is



a.



b.



c.

d. None of these

ix. The image formed by a plane mirror is

- a. The same size as that of the object
- b. Left-right inverted
- c. Erect and virtual
- d. All of the above

x. A faster moving object covers

- a. less distance in more time.
- b. more distance in more time.
- c. less distance in shorter time.
- d. more distance in shorter time.

2012/18