
Std: 10

Second Formative Assessment Examination

marks: 20

Subject: - Science

Name of The Student: _____

Roll No: _____

Section: _____

I. Choose the correct answer.

1*4=4

1. A device which converts heat energy into mechanical energy is called _____
a) Heat energy b) dynamo c) motor d) ammeter
2. In a steam engine the cylinder is connected to condenser by _____
a) Piston b) crank shaft c) outlet valve d) inlet valve
3. Structural and functional unit of nerve tissue is _____
a) Neuron b) Axon c) Dendrites d) myelin
4. Which silicon compound among these is used as insulating material _____
a) Silicon dioxide b) silicon carbide c) silicones d) zeolite.

II. Answer the following questions in one sentence

1*4=4

5. Who was first commercially construct the steam engine?

6. What are tissues?

7. Mention the functions of lymph?

8. Name the element which is found abundantly in the earth crust.

III. Answer the following questions in two or three sentence each.

2*4=8

9. The efficiency of heat engine is 25%. If 50,000 joule of heat is supplied to the engine. Calculate the useful work done by the engine?

10. Draw neat diagram of petrol engine.

11. Mention the constituent elements of water conducting xylem tissue?

12. Give the pair word for the following

a) Heart : Heart muscle :: legs : _____

b) xylem : conducts water :: phloem : _____

IV. Draw the neat labeled diagram of the neuron

1*4=4