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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?

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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