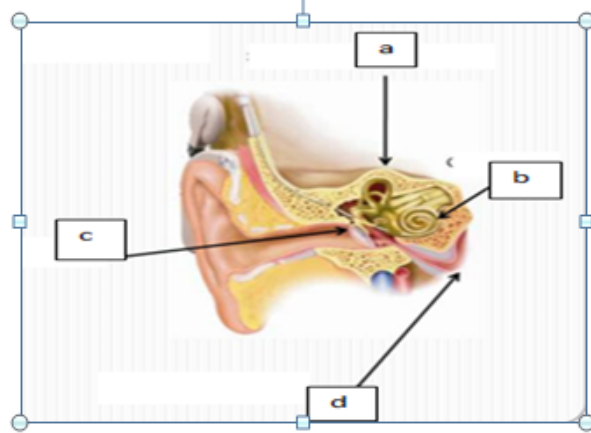


Physics:

1. A simple pendulum makes 10 oscillations in 20 sec. What is the time period and frequency of its oscillations? (1 M)
2. Describe an experiment to show that sound can travel through liquids. (2M)
3. Label the parts of the given diagram. (2M)



Chemistry:

1. (a) What is destructive distillation? (1M)
 - (b) Describe the classification of coal based on percentage of carbon, mention the percentage of carbon in each type. (2M)
 - (c) What is Carbonisation? (1M)
 - (d) Compare Exhaustible and Inexhaustible natural resources. (1M)
- (1+2+1+1=5)

Biology:

1. Give reasons for the following.

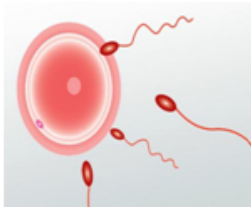
(2 M)

a. Although two cells called gametes fuse, the product formed is a single cell called zygote.

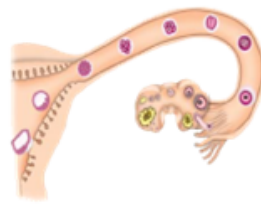
b. Fish and frogs lay eggs in hundreds whereas a hen lays only one egg at a time.

2. Observe the following figures.

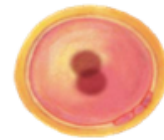
a.



b.



c.



i. Identify the stages a, b and c during the development of the human baby.

(1½M)

ii. Arrange the stages in the correct sequence of development.

(½ M)

iii. Explain the development that takes place in any one stage.

(1M)

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