

SCIENCE - II
CHAPTER - 1, 2, 3, 4, 5, 6

Marks : 40

Duration : 2 hrs.

2

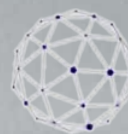
Q.1. (A) Fill in the blanks :

1. Implantation of embryo occurs in
2. The principle invented by Michael Faraday is

2

Q.1. (B) Match the columns :

Column A	Column B
(1) Porifera	(a) Sea anemone
(2) Coelenterata	(b) Ascaris
(3) Platyhelminthes	(c) Sycon
(4) Aschelminthes	(d) Liverfluke



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Q.1. (C) State whether the following statements are true or false. If false rewrite the correct statement :

1

1. We get 4 Kcal of energy per gram of lipids.

Q.1. (D) Rewrite the following statement by selecting the correct option :

5

1. Information about protein synthesis is stored in the
(a) mitochondria (b) DNA
(c) RNA (d) ribosomes

2. Yeast reproduces by
(a) budding (b) binary fission
(c) spore formation (d) multiple fission

3. Annelids have for locomotion.
(a) setae (b) cilia
(c) flagella (d) pseudopodia

4. In which part of cell, electron transfer chain reaction occurs?
(a) cytoplasm (b) mitochondria
(c) nucleus (d) Golgi body

5. Each nuclear fission of uranium nucleus release energy.
(a) 20 MeV (b) 236 MeV
(c) 237 MeV (d) 200 MeV



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Q.2. Answer the following questions : (Any 5)

10

1. Explain with suitable examples importance of anatomical evidences in evolution.
2. Distinguish between Aerobic and Anaerobic respiration.



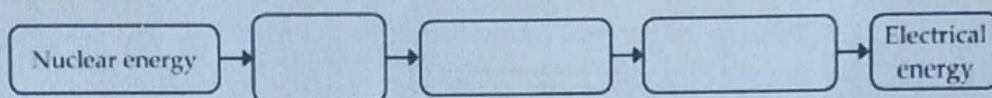
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3. Draw neat and labelled diagram of Human male reproductive system.
4. Why does human being have an important place in the environment?
5. Give scientific reason :
Body temperature of reptiles is not constant.
6. How much potential difference and electric current we can get from 100 cm² dimension of silicon solar cell?

Q.3. Answer the following questions : (Any 5)

15

1. Draw well labelled diagram of Ascaris and write the classification.
2. Describe Darwin's theory of natural selection.
3. Explain the Kreb's cycle with reaction.
4. Modern techniques like surrogate mother, sperm bank and IVF technique will help the human beings. Justify this statement.
5. Write the types and examples of biodiversity.
6. Complete the following flowchart :
Step by step Energy conversion in nuclear power plant.



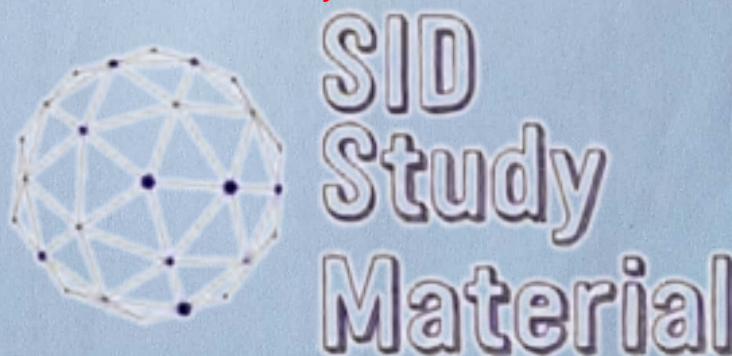
Q.4. Answer the following question : (Any 1)

5

1. What is Menstrual cycle? Describe it in brief.
2. Write in brief about progressive changes in animal classification?

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