

BOARD QUESTION PAPER: MARCH 2020

Science & Technology Part - 2

Time: 2 Hours

Total Marks: 40

Note:

- All questions are compulsory.
- Use of calculator is not allowed.
- The numbers to the right of the questions indicate full marks.
- In case of MCQs [Q. No. 1(A)], only the first attempt will be evaluated and will be given credit.
- For every MCQ, the correct alternative (A), (B), (C) or (D) with sub-question number is to be written as an answer.
For e.g. (i) (A), (ii) (B), (iii) (C).
- Scientifically correct, labelled diagrams should be drawn wherever necessary.

Q.1. (A) Choose the correct option and write its number for the following questions: [5]

- Transfer of information from molecule of DNA to mRNA is called _____ process.
(A) Transcription (B) Translation (C) Translocation (D) Mutation
- Body breaks up into several fragments and each fragment starts to live as a new individual. This is _____ type of reproduction.
(A) Budding (B) Fragmentation (C) Regeneration (D) Binary fission
- Incomplete combustion of fuels leads to formation of _____.
(A) Carbon monoxide (B) Carbon dioxide
(C) Chlorofluorocarbon (D) Hydrogen sulphide
- The spindle fibres start appearing from _____ stage of karyokinesis.
(A) Prophase (B) Metaphase (C) Anaphase (D) Telophase
- Salts which can be used as supplement of calcium and iron are obtained from _____.
(A) Carbonic acid (B) Acetic acid (C) Citric acid (D) Gluconic acid

Q.1. (B) Solve the following questions: [5]

- Find odd one out:
Drying, Salting, Cooking, Soaking with sugar.
- Write the correct co-relation:
Annelida: Earthworm :: Platyhelminthes: _____
- State whether True/False:
Tobacco containing substances cannot cause cancer of mouth and lungs.
- Write function of testes.
- I am connecting link between Reptilia and mammals. What is my name?

Q.2. (A) Give Scientific Reasons. (Any two) [4]

- Indians should follow family planning for controlling the population.
- We feel exhausted after exercising.
- Hydroelectric energy, solar energy and wind energy are called renewable energies.

Q.2. (B) Solve the following questions. (Any three) [6]

- Complete the following chart:



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