

MODEL QUESTION PAPER:2021-22

PERIODIC TEST-1

SCIENCE

Class: VIII

Max.marks: 40

Time:1.5 HRS

General Instructions:

- (i) *The question paper comprises four sections A, B, C and D. There are 17 questions in the question paper. All questions are compulsory.*
- (ii) *Section–A - question no. 1 to 8 - all questions and parts thereof are of one mark each. These questions contain multiple choice questions (MCQs), very short answer questions and assertion - reason type questions. Answers to these should be given in one word or one sentence.*
- (iii) *Section–B - question no. 9 to 11 are short answer type questions, carrying 2 marks each. Answers to these questions should in the range of 20 to 30 words.*
- (iv) *Section–C - question no. 12 to 14 are short answer type questions, carrying 3 marks each. Answers to these questions should in the range of 30 to 40 words.*
- (v) *Section–D – question no. - 15 to 17 are long answer type questions carrying 5 marks each. Answer to these questions should be in the range of 40 to 50 words.*
- (vi) *There is no overall choice. However, internal choices have been provided in some questions. A student has to attempt only one of the alternatives in such questions.*
- (vii) *Wherever necessary, neat and properly labeled diagrams should be drawn.*

SECTION-A

Choose the correct answer.

(1x10=10)

1.Pressure exerted by liquid is known as---

- a) Liquid pressure b) Atmospheric pressure c) Troposphere d) Biosphere

2.Flora and fauna contribute to the ----- of an area.

- a) Biodiversity b) Food chain c) Flora d) Deforestation

3.The SI unit of pressure is -----

- A) Newton b) Pascal c) m/s d) Kg

4.Grains are dried before being stored in-----

- a) farmland b) fields c) Grain silos d) Store house

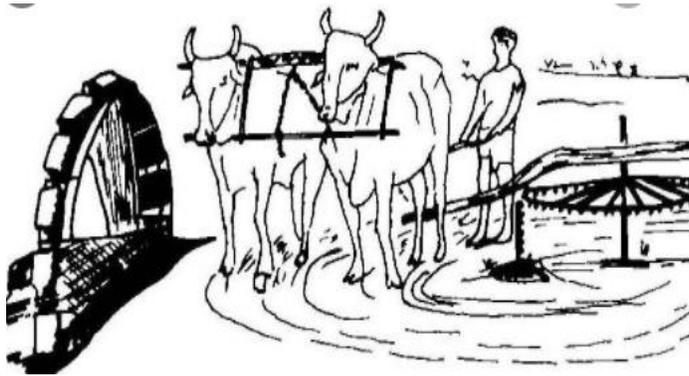
Q. No 5 contains four sub-parts each. You are expected to answer any three sub- parts in these questions.

Read the following and answer any **three** questions from 5(i),5(ii),5(iii) and 5(iv).

5. The important steps involved in agriculture are preparation of soil, sowing the seeds, the protection of crops, manuring and irrigation. Sprinkler irrigation is a modern method of irrigation in which water is sprayed to copy natural rain fall. Drip irrigation is also known as trickle irrigation. The swing basket method is used to lift surface water with the help of a bamboo basket. The Persian wheel method involves bullocks moving in a circle to turn a drum and raise water.

5(i) Observe the below picture and identify the type of irrigation.

- a) Drip irrigation b) Sprinkler irrigation c) Persian wheel d) swing basket



5(ii)Which method is a copy to natural rain fall?

- a) Drip irrigation b) Sprinkler irrigation c) Persian wheel d) swing basket

5(iii) Drip irrigation is also known as----

- a) Rahat b) Sprinkler irrigation c) Persian wheel d) swing basket

5(iv) Identify the process.



- a) Preparation of soil b) Sowing the seeds c) Irrigation d) Manuring

6. What is force?

7. Pressure exerted by liquids are known as-----

- a) Thrust b) Force c) Pressure d) Density

For question number **8** two statements are given- one labeled **Assertion (A)** and the other labeled **Reason (R)**. Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

- a) Both A and R are true, and R is correct explanation of the assertion.
b) Both A and R are true, but R is not the correct explanation of the assertion.
c) A is true, but R is false.
d) A is false, but R is true

8. **Assertion(A):** Tiger is an endangered species.

Reason(R): Its population has become very small.

SECTION-B

Answer the following

(2x3=6)

9. What is atmospheric pressure?

10.What are extinct species?

11.Explain chemical control?

OR

What is biological control?

SECTION-C

Answer in three or four sentences.

(3x3=9)

12.What are the steps involved in agriculture?

13.Write any three advantages of friction.

OR

Write any three disadvantages of friction.

14.A box of mass 60kg has a base of area 20m².Calculate the pressure exerted by it on the ground (Use 1kg-f=10N).

SECTION-D

Long answer type questions.

(5x3=15)

15.How can we conserve biodiversity?

16.Explain the traditional methods of irrigation.

17.What is a manometer? Explain its working with the help of a diagram.

OR

Write an activity to observe the pressure exerted by liquids.
