No. of Printed Pages/Questions:2/12

O.P.JINDAL SCHOOL,SAVITRI NAGAR
PERIODIC TEST -II (2023-24)

CLASS-IX **MAX.MARKS-20**

SUBJECT-SCIENCE **MAX.TIME-1HOUR**

General Instruction:-

(i)All questions are compulsory .There are 12 questions in this question paper with internal choice.

(ii) **SECTION –A:** Question numbers 1 to 6 are MCQs, carrying 1 mark each.

(iii) **SECTION –B:** Question numbers 7 to10 are short answer questions carrying 2 marks each.

(iv) **SECTION –C:** Question numbers 11and 12 are long questions carrying 3marks each.

SECTION-A

Q-1) The magnitude of the gravitational force between the earth and a 1 kg object on its surface is

(a)9.67N (b) 9.8N

(c)6.67 x 10^{-11}N (d) 9.43N

Q-2) The gravitational force between two objects is F. If masses of both object is halved and distance between them is also halved, then gravitation force would become

(a) F/2 (b)2F

(c)F (d)4F

Q-3) In carbon monoxide the proportion of carbon and oxygen by mass is:

(a)2:8 (b)8:1

(c)3:4 (d)1:1

Q-4)The atomicities of Phosphorous, Ozone, Sulphur and Neon are respectively:

(a)8,3,4 and 1 (b)4,3,8 and 1

(c) 8,1,4 and 3 (d)4,8,1 and 3

Q-5)The revolution associated with increased food grain production is:

(a)White revolution (b) Golden revolution

(c)Green revolution (d)Blue revolution

Q-6) Growing two or more crops in definite row pattern is:

(a)Mixed cropping (b) Mixed farming

(c) Inter cropping (d)Crop rotation

SECTION-B

Q-7)Write the formula of following compounds:

(i)Sodium oxide (ii)Calcium carbonate

Q-8) Calculate the molecular mass of the following compounds:

(i)Aluminum sulphate (ii)Ammonium phosphate

Q-9) (i)Write two differences between acceleration due to gravity(g) and universal gravitation constant(G).

(ii)What is weight of 15kg on the surface of the Moon.

Q-10) (i)Why has improving crop yields become more important these days ?

(ii)List the major group of activities for improving crop yields.

SECTION-C

Q-11) (i)A stone thrown upward attains a maximum height of 19.6m. Find the velocity with which it was thrown?

(ii) A stone is dropped from a height of 20m. How long will it take to reach the ground? (Take $g=10\ ms^{-2}$)

(iii)State Newton's Universal Law of gravitation.

Q-12) Explain various methods of weed control.

OR

Describe some advantages of mixed cropping.

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