

GOVERNMENT HIGHER SECONDARY SCHOOL, MOONGILPATTY

REVISION TEST – II (2021-2022)

10TH STANDARD SCIENCE – ENGLISH MEDIUM

TIME – 1.30 HOUR

MARKS – 50

I.CHOOSE THE CORRECT ANSWER

10X1=10

- The value of universal gas constant
a. $3.81 \text{ mol}^{-1} \text{ K}^{-1}$ b. $8.03 \text{ mol}^{-1} \text{ K}^{-1}$ c. $1.38 \text{ mol}^{-1} \text{ K}^{-1}$ d. $8.31 \text{ J mol}^{-1} \text{ K}^{-1}$
- When two bodies have same temperature they are said to be in -----
a. Absolute 0 b. Thermo dynamic temperature
c. Thermal equilibrium d. Thermal energy
- The value of Avagatro number -----
a. $6.023 \times 10^{23} / \text{mol}$ b. $4.023 \times 10^{23} / \text{mol}$ c. $9.023 \times 10^{23} / \text{mol}$ d. $7.34 \times 10^{23} / \text{mol}$
- Chemical formula of rust is -----
a. $\text{FeO} \cdot x \text{H}_2\text{O}$ b. $\text{FeO}_4 \cdot x \text{H}_2\text{O}$ c. $\text{Fe}_2\text{O}_3 \cdot x \text{H}_2\text{O}$ d. FeO
- The number of periods and groups in the periodic table are -----
a. 6,16 b. 7,17 c. 8,18 d. 7,18
- Active Transport involves
a. Movement of molecules from lower to higher concentration
b. expenditure of energy c. it is an uphill task d. all of the above
- Normal Blood pressure is-----
a. 120mm/80mm Hg b. 140mm/110mm
c. 180mm/90mm Hg d. 110mm/140mmHg
- A patient with blood group O was injured in an accident and has blood loss .

Which blood group the Doctor should effective use for transfusion in this condition

a. O group b. AB group c. AorB group d. all blood group

9. The hormone which has positive effect on apical dominance is

a. cytokinin b. Auxin c. Gibberellin d. Ethylene

10. Which Organ acts as both exocrine gland as well as endocrine gland

a. Pancreas b. Kidney c. Liver d. Lungs

II. FILL IN THE BLANKS

5X1=5

11. The temperature and heat are----- quantities

12. ----- forms the basis of modern periodic table

13. The bulk movement of substance through the vascular tissue is called-----

14. The movement is always ----- in xylem

15. The hormone which has negative effect on apical dominance is-----

III . MATCH THE FOLLOWING HORMONES WITH THEIR

DEFICIENCY STATES

5x1=5

16. HORMONES

DISORDERS

ANSWERS

Thyroxine

Acromegaly

Insulin

Tetany

Parathormone

Simplegoitre

Growth hormone

Diabetes insipidus

A D H

Diabetes mellitus

IV. STATE WETHER TRUE OR FALSE ;

IF FALSE WRITE THE CORRECT STATEMENT

5X1=5

16. For a given heat in liquid, the apparent expansion is more than that of Real expansion

17. All ores are minerals; but all minerals cannot be called as ores

18. An alloy is a heterogeneous mixture of metals

19. W B C defend the body from bacterial and viral infections

20 .Gibberellins cause parthenocarpy in tomato

V. ANSWER ANY FIVE QUESTIONS

5X2=10

21. Define one calorie
22. What is co-efficient of real expansion?
23. Define one roentgen
24. Why is the circulation in man referred to as double circulation?
25. What is the importance of valves in the heart?
26. What are synthetic auxins? Give examples.
27. What is bolting? How can it be induced artificially?
28. What is the role of parathormone?

VI. ANSWER IN DETAIL ANY THREE Either or questions

3x5=15

29. Write the physiological effects of gibberellins

[OR]

29. Where are estrogens produced? What is the role of estrogens in the human body?

30. Minerals cannot be passively absorbed by the roots give reason for the statement

[OR]

30. Minerals in the plants are not lost When the leaf falls

31. Give any two uses of radio isotopes in the field of agriculture?

[OR]

31. Distinguish between ideal gas and real gas

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