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REVISION TEST - 2023

SCIENCE

Reg.No

Marks: 75

10	_	Std
IU	_	Stu

Time - 3.00 Hours

PART-I Choose the best answer If the Earth Shrinks to 50% of its real radius its mass remaining the same, the weight of a body on the Earth will..... b) increase by 50% a) decrease by 50% drincrease by 300% c) decrease by 25% Magnification of a convex lens is..... cheither positive or negative b) negative d) zero a) Positive In a simple circuit, why does the bulb glow when you close the switch? a) The switch produces electricity (b) closing the switch completes the circuit c) closing the switch breaks the circuit d) the bulb is getting charged aprons are used to protect us from gamma radiations c) lead a) Lead oxide b) Iron 5. Which of the following represent I amu? a) mass of a 0-12 atom b) mass of a hydrogen atom c) ½ th of the mass of a c-12 a to m d) mass of 0-16 a to m 6. The basis of modern perodic law is..... a) atomic number b) atomic mass c) isotopic mass d) number of neutrons 7. The number of components in a bionary solution is..... a) 2 b) 3 c) 4 8. The secondary suffix used in IUPAC nomenclature of an aldehyde is....... b) -oic acid c) -al d) - one 9. kerb's cycle takes place in..... a) chloroplast b) mitochordrial malrix c) stomata d) inner mutochondrial membrare 10. The segments of leech are known as...... a) metameres somites b) proglottids c) strobila d) all the above 11. To increase the sugar production in sugar canes they are sprayed with..... a) aurin b) cytokinin (s) gibberellins 12. The...... units from the back bone of the DNA d) Ethylene a) 5 carbon sugar b) phosphate c) nitrogenous bases d) sugar phosphate Part - II II. Aswer any 7 question. question no 22 is compulsary 7x2 = 1418. State newton's second law 14. True on false (If false give the correct statement) i) The gram atomic mass of an element has no unit ii) Molar mass of CO, is 42g 187 Answer the following questions using the data given below i) A and R are correct, R explains the A ii) A is correct, R is wrong iii) A is wrong, Ris correct iv) A and R are correct, explain A Assertion: An uncleaned copper ressel is overed with greenish layer Reasion: copper is not attacked by alkali

10th - Science -FR-NKடு பக்கம்-1

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- Differentiate reversible and irreversible reactions
- M. Draw and label the structure of oxysomes
- 18. What is the shape of RBC in human blood?
- How can you determine the age of the fossils?
 - Metion the diseases caused by tobacco smoke
- ✓ What is stage?
 - 22. If you keeps ice at 0°C and water at 0°C in either of your hands in which hand you will feel more chillness? why?

PART - III

III. Answer any 7 question (question no 32 is compulsory)

- 23, List any four properties of light
- Distinguish between the resistivity and conductivity of a conduction
- Name three animals which can hear ultrosonic vibration b) Explain why, ceilings of concert halls are curved
- 26, Given an example each
 - i) gas in liquid ii) solid is liquid iii) solid in solid iv) gas in gas
- How is ethanonic acid prepared from ethanol? given the chemical equation

28. Match colums, I, II and III correctly

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779	II .	111
Organs	Membranous coveing	location
Brain	Pleure	abdominal cavity
Kidney	Capsula	mediastinum
Hean	Meninges	endosed in thoracic cavity
Lungs	Pericardium	Cranial cavity
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- 29. meduliated and non-medullated nerve fibre Differentate
- 30. Write the characteristic of insect Polinaled flowers
- 31. state the applications of DNA fingerprinting technique
- 32. What is the PH of 1.0x10⁻⁵ Molar solution of KOH?

PART-IV

IV Answer all the question

327 Describe rocket propulsion (or)

what is a nuclear reactor? Explain its essential parts with their function

34. Given the salient features of "modern atomic theory" (or)

- a) state the reason for additions of caustic alkalic to bauxite are during purification of bouxite
- b) Along with cryalite and alumina, another substance is added to the electralyte mixture. name the substance and given one reason for the addition
- 35. Describe and name three stages of cellular respiration that aerobic organisms use to obtain energy from glocose (or)
 - a) Tidal energy is..... type of energy
 - b) What will happen if trees are cut down?
 - c) What are the advantages of using biogas?

10th - Science -FR-NKL- பக்கம்-2