

BIOLOGY SLIP TEST – 1 (LESSON'S – 1,2,3,4)

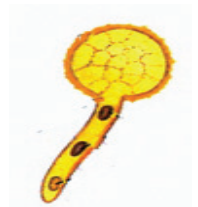
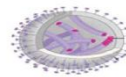
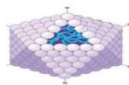
I.1MARKS; (5x1=5)

Marks - 40

1. Both paternal and maternal genetic material is ____ **Time – 1hr**
(RNA ,DNA, BOTH,ALL)
2. Mouth disease of cattle in Tamil is _____
3. The housefly has also an important transmitting agent called _____
4. Ridges and Furrows are also called _____ and _____
5. Botanical Name for Four o' clock plant
(Mangifera Indica ,Mimosa pudica , Mirabilis jalapa,
Nelumbonucifera)

II.2MARKS' 10X2=20

6. Write about Enzyme Technology
7. List the two important characteristic features of stem cell
8. What are Bio-sensor & its uses
9. In which sources the somatic stem cells are derived ?
10. What are called fomites?
11. Label any two parts .
12. What are called conus medullaris & Filum termi
13. Label any two parts
14. What are called loculicidal and septicidal capsul
15. Label any two parts



III. 5MARKS; (ANY 3) 3X5=15

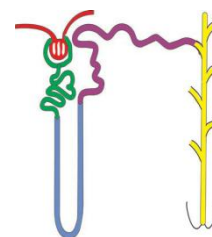
16. Explain Symptoms, Transmission, Causative agent ,Control and prevention of Bacterial diseases (Typhoid)
17. Describe meiosis with various stages (diagrams) & its significance .
18. Describe about Structure of monocot seed (paddy) with diagram
19. Expand- AIDS,HIV and explain symptoms,tests,prevention of HIV
20. Compare Aggregate Fruit and Composite fruit

BIOLOGY SLIP TEST – 2 (LESSON'S – 5,6,7,8)

I.1MARKS; (5x1=5)

Marks - 40

1. Renal medulla contains conical masses called _____ **Time – 1hr**
(renal hilus , renal pelvis, renal cortex ,renal pyramids.)
2. In _____ the excreta diffuses out through the cell membrane.
(flat worms ,round worms, coelenterates, annelids)
3. Golden langur is found in(Corbett National Park, Kanha National Park, Bharathpur Bird Sanctuary, Manas Wildlife Sanctuary)
4. Water is present in an area of about _____ million km³ in the entire Globe (1200,1300,1400,1500)
5. Idle operation leads to an energy loss of _____ watts / device.
(10,20,30,40).



II.2MARKS' 10X2=20

6. Label the parts in Nephron
7. Camel protect their eyes from sand storms & .sand particles-
Explain
8. What are called systole and diastole?
9. What are called Parasites and hosts?
10. Write down the break-down of glucose by various pathways
(Eqns.)
11. What are called ammonotelic, uricotelic & ureotelic animals?
12. Define Desalination: (Reverse osmosis)
- 13 List out Basic rules for sanitation in public places
- 14 What is Energy Management ?
15. Name the various liquid bio-fuels for transportation

III. 5MARKS; (ANY 3) 3X5=15

16. Explain the methods are adopted for the disposal of harmful waste materials.
17. Describe about Rain Water Harvesting
18. Explain the Environmental effects of coal burning
19. Describe the Products & Future Products Produced by the
Process of Green Chemistry
20. Tabulate some Important National Parks, Wildlife Sanctuaries and Reserves.

CHEMISTRY SLIP TEST (LESSON'S – 9,10,11,12,13)

I.1MARKS; (5x1=5)

Marks - 40

1. ___ solution is not visible under ultra microscope
2. Food stuffs, become stale, due to _____
3. Al(OH)_3 , Zn(OH)_2 are ___
4. ___ test used to check saturated or unsaturated solution
5. Percentage of purity of gold calculated using _____ formula.

Time – 1hr

II.2MARKS' 10X2=20

6. Common salt dissolves in H_2O – why?
7. Atmosphere is colloidal in nature
 - a) What is the average size of the dust particles in air?
 - b) Name the dispersed phase in the atmosphere.
8. Define RAM based on carbon scale
9. How to arrive the value of GRAM MOLAR VOLUME OF OXYGEN
10. Define: Molar volume
11. What is redox reaction ? Give example
12. What is neutralization reaction? Give example
13. Mention any two defects of periodic table
14. What is SACRIFICIAL PROTECTION?
15. Unlike ethanol, intake of methanol cause DEATH-Why?

III. 5MARKS; (ANY 3) 3X5=15

16. How will you deduce the atomicity of elementary gases?
17. List out the applications of Avogadro's law.
18. How is ETHANOL manufactured from SUGAR MOLASSES?
19. Explain the processes (i) Esterification (ii) Decarboxylation
20. An organic compound (A) is heated with excess Conc. H_2SO_4 at 443 K to form the product (B) with water.
 - a) Identify the compounds (A), (B). (b) Name the Process involved in the above reaction. (c) Write the Chemical Equation for above reaction. (d) Mention the role of Conc. H_2SO_4 (e) Give one use of (A) and its IUPAC Name.

PHYSICS SLIP TEST (LESSON'S – 15,16,17)

I.1MARKS; (5x1=5)

Marks - 40

1. The SI unit of momentum is ___
2. ___force is required to change the motion of the object
3. Name the acid used in voltaic cell.
4. The safety device is used for electrical appliance s is___
5. In human eye the diameter of eye ball is about ___cm

Time – 1hr

II.2MARKS' 10X2=20

6. The mass of an object is 5 kg. What is its weight on the earth?
- 7 Which would require a greater force for accelerating a 2 kg of mass at 4 m s⁻² or a 3 kg mass at 2 m s⁻²?
8. What is called the turning effect of a force?
9. Space stations have various drawbacks- explain
10. A current of 0.75 A is drawn by the filament of an electric bulb for 10 minutes.Find the amount of electric charge that flows through the circuit.
11. Three resistances having the values 5 Ω , 10 Ω , 30 Ω are connected parallel to each other. Calculate the equivalent resistance.
12. Calculate the energy produced when 1 kg of substance is fully converted into energy.
- 13 State Fleming's right hand rule
- 14 State the laws of refraction.
15. What are the causes of Myopia?

III. 5MARKS; (ANY 3) 3X5=15

16. . Prove that $m_1u_1 + m_2u_2 = m_1v_1 + m_2v_2$
17. A bullet of mass 15 g is horizontally fired with a velocity 100 m s⁻¹ from a pistol of mass 2 kg. What is the recoil velocity of the pistol
18. Write the Sign Convention for Reflection by Spherical Mirror
19. Explain the Defects of Vision and Rectification of eye with a neat diagram
20. Explain about the Hubble telescope.

- PREPARED FOR THE BETTERMENT OF ALL CHILDREN

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