CBS.MEM.SR.SEC.SCHOOL

SUMMER VACATION HOLIDAYS HOMEWORK JUNE 2025

CLASS 11TH (SCI)

ENGLISH -: *1.Write any five letters to editor .2.Solve any 10 unseen passages 3.write and learn all word meaning from lesson1 and 2 .Make a project on lesson portrait of the lady*

Physics-: Read chapter1,2,3 from NCERT Book . Do all exercises questions of chapter1,2 Make a working model on motion. Make a list of 20 objects around you observe their motion and elaborate their motion with graphs.Make a table of your total distance and total displacement covered by you on daily basis

Hindi-: *1 नमक का दारोगा. 2 मियां नसीरुद्दीन. 3 आपू के साथ ढाई साल. 4 विदाई सम्भाषण 5- ग़लता लोहा .6 रजनी (सभी पाठों कों लिखे और याद करें)*

परियोजनाकार्य.....: वर्तमान समय में विभिन्न क्षेत्रों में महिलाओं की उपलब्धियों पर एक परियोजना कार्य तैयार करें कार्य को पूरा करने के लिए रंगीन चित्रों का प्रयोग करें।

Biology-: • Learn unit -1 complete and make notes in your fair notebook.• Make 3D model of meiosis.• Collect leaves from your locality and classify them into monocoats and dicots (at least 10 different types of leaves).• Collect 5-10 local plant samples ,dry and press them also stick them with their botanical name ,families, and uses. • Make project file on plant kingdom.• Make atleast 50 one word or very short question answer from unit 1 at least 15 ques from each chapter.

Maths-: Solve Ex of given Chapters- Written work : Sets,Relation and function ,Complex number

Prepare a notebook of all formulae related to all chapters (Please see summary page for help).

Revision work: Sets, Relation and function, Complex number
Activity Card : Prepare a chart of ch-3 -trigonometric functions.

Computer -: Written work must complete in your FNB according to your syllabus .
Write lesson 3 to 7 with solved and unsolved exercises. Make approx 20 programs of python language Saved in your pen drive and carry with your holiday homework. Revise your lesson 1 to 7 lessons of the python language.

Chemistry-: Practice and Learn ,Unit-1. Some basic. Concept of chemistry, Unit-2 . Structure of atom Solve NCERT Exercise of unit -1 and unit-2 **Solve given assignments**
Make a chart of Bohr atomic model

Home science-: Write and learn ch 1&2 .Make a chart on nutrition of child from 1 to 6 months.

Assignment
Sub:- Biology

1. Define the terms taxonomy, systematics and nomenclature. How are they interrelated?
2. What is the significance of classification?
3. Why reproduction is not considered as defining features of microorganisms ?
4. Compare characteristics of protista and fungi in tabular form?
5. Describe st. And reproduction of viruses. Why are they considered a link between between living and non living?
6. Write characteristics and economic importance of algae?
7. How are bryophytes different from pteridophytes in terms of reproduction and structure.
8. Write 3 major difference between monocots and dicots?
9. How phylum chordata different from phylum non chordata?
10. What are the basis of classification of animals ?
11. If new organisms is discovered in a hot spring with both plant like and animal like features, how would you begin classifing it ? What criteria do you use?
12. Why is it important to have a scientific naming system when common names are already used? What issue arise with common name?
13. Viruses are considered neither living nor non-living. Based on their structure and behavior, should they be given a separate kingdom? Justify your answer.
14. Why do you think Kingdom Protista is considered a "dumping ground" for organisms that don't fit into other kingdoms? What problems might this cause in classification.
15. If cyanobacteria perform photosynthesis like plants, why are they placed under Monera instead of Plantae?
16. Bryophytes are often called "amphibians of the plant kingdom." Is this a correct analogy? Explain with reference to their life cycle and habitat requirements.
17. Pteridophytes were once dominant on Earth but are now overtaken by flowering plants. What evolutionary advantages helped angiosperms succeed over pteridophytes?
18. Why do gymnosperms survive better than bryophytes in cold or dry regions?
19. If you find a new marine organism with bilateral symmetry, three germ layers, and no coelom, to which phylum would you assign it? Justify your reasoning.
20. Why do echinoderms show bilateral symmetry during larval stages but radial symmetry as adults? What could be the evolutionary advantage of this?

Assignment Sub:- Physics
Units and Dimensions

1. Define the term "dimensional formula."
2. What are the fundamental quantities in physics? Give examples.
3. Write the dimensional formula for velocity.
4. Write the dimensional formula for force.
5. What is the difference between fundamental units and derived units?
6. Explain the principle of homogeneity of dimensions.
7. Write the dimensional formula for energy.
8. How can dimensional analysis be used to check the correctness of an equation?
9. Write the dimensional formula for pressure.
10. What is the dimensional formula for acceleration?
11. Define displacement and differentiate it from distance.

12. What is the difference between average velocity and instantaneous velocity?
13. Write the equation for uniformly accelerated motion and explain its terms.
14. Define relative velocity and give an example.
15. Write the dimensional formula for momentum.
16. What is the dimensional formula for work?
17. Define the term "dimensional constant" and give an example.
18. Write the dimensional formula for power.
19. How can dimensional analysis be used to derive a formula?
20. Write the dimensional formula for frequency.

Chemistry Assignment

Que.1 10 gram of hydrogen and 64 gram of oxygen were filled in a vessel and exploded the amount of water produced in this reaction will be

Que.2 A compound X contain 32% of a 20% of B and remaining percentage of C then impirical formula of X is
Give anatomic mass of A=64, B= 40, C=32 gram

Que.3 energy of second Bhor orbit of hydrogen atom is - 328 kilo Jule per Mol then energy of 4th Bhor orbit

Que.4 A 0.66 kilogram ball is moving with a speed of 100 M per second then wavelength will be

Que.5 A compound contains 4.07%Hydrogen, 24.27% Carbon and 71.65% chlorine. It's molar mass is 98.96g. What are its empirical and molecular formulas.

Que.6 50 kilogram of N2 and 10 kilogram of hydrogen mix to produce NH3. calculate amount of NH3 formed identify the limiting reagent in production of NH3

Que.7 The density of 3M solution of Nacl is 1.25gram per millilitre. Calculate molarity of solution

Que.8 Calculate molarity of a solution of ethanol in water in which mole fraction of ethanol is 0.040.

Que.9 calculate amount of water produced by combustion of 16 gram of methane

Que.10 A jug contains two litre of milk calculate volume of milk in metre cube

HAPPY HOLIDAYS