

GURU AMAR DASS PUBLIC SCHOOL, GOINDWAL ROAD, KAPURTHALA
SUMMER HOLIDAYS HOMEWORK (2019-20)
CLASS – XII (Science)

Summer Holidays are a great time to learn new things. It is a time to have fun, create and invent.

General Instructions:-

1. Parents to ensure that the child does the work on his/ her own.
2. Do all the Holidays Homework in a separate notebook.
3. Encourage your child to converse in English.
4. Design the title cover of our Annual Newsletter. Best one will be picked.
5. School will remain closed from 9th June 2019 to 9th July 2019 due to Summer vacations and reopens on 10th July, 2019 at Schedule time i.e 7:40 a.m. to 2:05 p.m.
6. Father's day falls on 16th June. Make a card for your father and give it to him on Father's Day. Write few lines for him.
7. Wish you a happy healthy summer vacations.

ENGLISH:-

1. Solve all assignments and exercises which are mentioned below from EVERGREEN practice paper.

Sections	Topics	Number of Exercise or Assignment
Reading	Comprehensions	4
Writing	Notice	4
	Letter (Formal/ Informal)	4
	Speech	4
Literature	* Flamingo <ul style="list-style-type: none">• The last Lesson• Lost spring * Poetry <ul style="list-style-type: none">• My mother at sixty – six• An Elementary School in a slum * Vistas <ul style="list-style-type: none">• The Tiger king	Solve short answer questions (30 – 40) words.

2. Create a four page newsletter showing achievements of Guru Amar Dass Public School, Ucha Bet, Kapurthala. Give a suitable caption to your newsletter. Make it creative by adding pictures and colours to your work. Make a Colourful cover page.

BIOLOGY

1. Revision : Unit 1 and Unit 5
2. Draw and labelled diagram of : Human Reproductive system i.e. Male and female reproductive systems, testis, ovaries sperm, egg, blastula larva.
Plant Reproductive System : Pollen grain, Anther, , Maize
3. Explain the structure and functioning of each of these parts.
4. Project File: - Topics :- Male and female reproductive system, ecosystem, Biodiversity, Global issues, Interactions between organism.

MATHEMATICS

1. Prepare a booklet of formulae of chapter 2,3,4 and 5.
2. Do exercise of chapter continuity and differentiation.
3. Do Miscellaneous Exercises of chapter 1,2,3,4,12 and 13.
4. Do solved and unsolved exercise of chapter 1,2,3,4, 12 and 13 from reference Book.
5. Frame any 50 objective Type VSA Questions from Covered syllabus.

CHEMISTRY

1. Revise Chapter – 4, 5, 6, 7, 8, 12, 18
2. Test will be conducted on the basis of holiday homework.
3. Make a assignment on VBT (Valence Bond Theory)
4. Explain electronic configuration on the basis of CFT (Crystal Field Theory) from $d^1 - d^{10}$ and also calculate CFSE.

PHYSICS

1. State Gauss theorem in electrostatics.
2. Give three applications of Gauss theorem.
3. Calculate torque on a dipole placed in a uniform electric field.
4. Discuss parallel plate capacitor with dielectric slab.
5. Solve 5-5 unsolved numerical from Unit – I, Unit – II and Unit – III.
6. Discuss Kirchhoff's first law and second law with well labeled diagrams and arrows heads.
7. I) Find the electric field intensity at a point on an equatorial line.
II) Calculate the potential energy due to an electric dipole placed in a uniform electric field.
III) Solve the NCERT exercise of Ch- 2, Ch- 3 thoroughly.
IV) Revise the whole syllabus of PT- I $\rightarrow \rightarrow$
V) Discuss Ampere's circuital law. Prove that $B \cdot dl = \mu_0 I$

PHYSICAL EDUCATION

1. Draw an Athletic track (on two pages)
2. Write & draw two jumping events – Long Jump, Triple Jump (Each event on two pages)
3. Write & draw two throwing events – Shotput, Discus throw (Each event on two pages)
4. Write & draw two games from giving the option (Each game on two pages)
5. Write 10 yoga Asana with pictures (Each Asana only one page)
6. Revise Chapter – 2 & 5.

Happy Summer Vacations!