

Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable at the same time educative. It is a sincere request to all to complete holiday assignment on time. Engage yourself whole heartedly as you will learn a lot through it.

HERE ARE FEW TIPS FOR YOU TO FOLLOW:-

- Revise the entire syllabus done in the class. **Homework should be done on A4 size sheets in your handwriting and maintain a file of it.**
- Get up early in the morning and pray.
- Keep your room clean and well organised.
- Assign a permanent place and work time.
- Play indoor games.
- Help your mother, do small household work like dusting, serving water, watering plants and so on.

NOTE:-

METHOD OF SUBMISSION –

1. MAKE A PDF OF YOUR HANDWRITTEN WORK.

2. SEND THE VIDEOS, PHOTOS OR PDF TO THE CONCERED (SUBJECT) TEACHERS EMAIL ID.

CLASS:-XII

ENGLISH

1. Read play 'On the Face of It'
 - a) Write theme of the play
 - b) Write character sketch of : i) Mr. Lamb, ii) Derry
 - c) Discuss the relevance of the Title.
2. Every night introspect your whole day's activities and mark a diary entry about 1 good thing that you did for others.

CREATIVE CORNER:

1. In order to develop writing skills and have practical knowledge of posting letters, Write a letter to your friend telling her about your summer vacation plan and post that letter. After receiving that letter paste it in your notebook. Experience the eagerness of waiting for your reply and joy of receiving letter by post.
2. Watch a documentary on the life history of a great leader 'Nelson Mandela'. We will enact role play in the upcoming event of our class.
3. Get up early in the morning and feel the magic of surroundings. Experience the first ray of sun and coolness of breeze, the chirping of birds and DO MEDITATION for at least 30 minutes every day.
4. Mothers don't have holidays, not even on Sundays. On holidays their work gets doubled in order to show some respect towards her dedication Help your mother in household chores and also learn to cook her signature dish.
5. Family is the first school of every child and parents can give you the best advice which Google can't. Value your relations because you are blessed with them. Switch off your mobile after 7 pm everyday and spend quality time with your family. Discuss and share your feelings and thoughts with your parents.

ACCOUNTANCY

1. The partnership deed is silent on payment of salary to partners. Anita, a partner, claimed that, since she managed the business, she should get a monthly salary of Rs 10,000. Is she entitled for the salary? Give reason.
2. State the provisions of Indian Partnership Act, 1932 regarding the payment of remuneration to a partner for the services rendered.
3. A, B and C decided that interest on capitals will be provided to each partner @ 5% per annum, but after one year C wants that no interest on capital is to be provided to any partner. State how 'C' can do this?
4. Can a partner be exempted from sharing the losses in a firm? If yes, under what circumstances?
5. Make a comprehensive & specific project report of any renowned company. The project report will include:
 - a) The history of the Company.
 - b) Journal & Ledgers.
 - c) Subsidiary Books & Trial Balance.
 - d) Financial Statements.
 - e) Ratio Analysis & Cash Flow.
 - f) Auditor's Report
 - g) Graphical Representations of all Ratios.
 - h) Conclusion.
 - i) Bibliography & Webliography.

BUSINESS STUDIES

Do the practice of the following:-

1. "Management is the art of getting things done through people." Discuss.
2. "Planning is looking ahead and controlling is looking backward." Discuss.
3. "To manage is to forecast and plan, to organize, to command, to coordinate and control." Discuss.
4. Discuss the managerial principles given by Henry Fayol.
5. "Today a firm can ignore environment at its peril." Discuss the statement with the help of examples.
6. "Planning is the thinking process and managers being men of action, should have no use for it." Comment.
7. "Organisation is an important tool to achieve organizational objectives." Comment.
8. Discuss various incentives methods based of production system.

ECONOMICS

Do the practice of the following:-

1. What is meant by production possibility curve? Illustrate with the help table and diagram.
2. A consume consumes only two goods. Explain his equilibrium with the help of utility approach.
3. Explain the factors that shift the demand curve to the right.
4. Explain any five factors determining price e9lasticity of demand.
5. Explain the relationship between ap and mp using a suitable diagram.
6. Mc is only variable cost. Why?
7. For a firm under perfect competition, profits are not maximized even when $MR > MC$. Explain why?
8. Define price elasticity of supply. Draw a supply curve for each of the following situations of elasticity of supply:
 - a) Elasticity of supply > 1
 - b) Elasticity of supply < 1

- c) Elasticity of supply =1
9. How seller under perfect competition a price taker and not a price maker? What a relevance of the characteristics that three are “large numbers of sellers” in this context.
10. Briefly discuss how is new equilibrium established when demand or supply curve happens to shift.

COMPUTER SCIENCE

Prepare Powerpoint for these two topics:

A. Networking and its advantages

1. Types of Networks: PAN, LAN, MAN, WAN
2. Transmission Media: Twisted pair cable, Coaxial cable, Optical fiber, Infra-Red, Satellitetransmission.
3. Network Topologies: Bus, Star, Ring
4. Modem
5. Cyber safety and security

B. Cyber Bullying:

1. Preventive Measures
2. Computer Safety and Security
3. Internal Safety and Ethics
4. Safe Social Networking
5. Safe Email Practices
6. Dos and Don'ts for Cyber Safety

EVS

(1). Make a project file on the topic “Air pollution”.

- Collect the data and record it in the given format:
 - a) Index
 - b) Acknowledgement
 - c) Introduction
 - d) Theory(Refer books and internet for this)
 - e) Questionnaire/ Case studies
 - f) Graphs/ Diagrams
 - g) Experience
 - h) Conclusion
 - i) Bibliography

(2). With the revolution in information technology, now it has become an integral part of everybody’s live, living in rural and urban India. You are asked to address the gathering of students of eco-clubs of your neighbourhood school on generation management of e-waste.

- Write how e-waste is generated.
- Explain how you would address the awareness issue of e-waste management amongst the students.
- How have the developed countries exploited the developing countries with respect to e-waste management?

(3). Since October 02, 2014, “Swachh Bharat Abhiyan” has been launched in our country.

- (A).Write your views on this initiative giving justification.
- (B). As a Ecologist, give two problems that you may face while implementing the programme in your locality.
- (C).Suggest two remedial methods to overcome these problems.

Do self-study of the chapter “Solid and Hazardous Waste Manangement” Consult your text book for this chapter. Study material of this chapter will also be provided through the GoogleClassroom. There will be a test on this chapter after the summer vacations.

BIOLOGY

1. Draw a diagrammatic sectional view of human ovary to show the development of follicles and ovulation. Label the different stages in the diagram.
 2. Draw a well labelled diagram of DNA double helix.
 3. Since October 2, 2014, “swachh bharat abhiyaan” has been launched.
 - a) Write your views on this initiative giving justification.
 - b) As a biologist, give two problems that you may face while implementing the programme in your locality.
 - c) Suggest two remedial methods to overcome these problems.
 4. Public all over India is very much concerned about the deteriorating air quality in large parts of north India. Alarmed by this situation, the residents welfare association of your locality organized an awareness programme entitled “bury not burn”. They invited you being a biology student to participate.
 - a) How would you justify your arguments that promote burying and discourage burning?
 - b) With the help of flow charts, one for each practice, depict the chain of events that follow.
 5. Why is DNA molecule a more stable genetic material than RNA? Explain
 6. What are desert adaptations of animals? What value is learnt from them?
- Do Self-study of chapters “Organisms and Populations” and “Ecosystem”. There will be a test of these chapters after summer vacations.

CHEMISTRY

1. Define the following terms :-
 - Tyndall effect
 - Coagulation
 - Emulsion
 - Shape selective catalyst
 - Electrophoresis
2. Differentiate between:-
 - Lyophobic & Lyophilic Colloids
 - Physisorption & Chemisorption
3. Write the three methods of preparation of colloids.

Write short notes on:-

- Peptization
 - Hardy-Schulze Rule
 - Homogeneous & Heterogeneous catalysis
 - Eight types of colloids with examples.
4. Differentiate between mineral & ore. Write some examples.
 5. Why is froth flotation process selected for the concentration of sulphide ores?
 6. Define the following :-
 - Van Arkel Method
 - Mond's Process
 - Zone refining
 - Copper matte
 - Electrometallurgy of Aluminium
 7. Out of coke & CO, which is better reducing agent for the reduction of ZnO? Why? Explain the application of Ellingham diagram.

PHYSICS

Note:-

A. Study the chapter 'Electromagnetic Waves' in details .

- a) Sources of EM waves
- b) Uses of EM Waves
- c) Propagation of EM waves
- d) Freq and Wavelength range of EM waves
- e) Displacement Current
- f) Modified Ampere's Circuital law

B. To study the Chapter ' Ray Optics' (Only those Which we had covered already in class X), prepare your notes and solve the in text exercises.

C. Prepare practical file and project report. Write all the experiments in practical notebook given below:

- I.To determine resistance per cm of a given wire by plotting a graph of potential difference versus current.
- II.To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material.
- III.To verify the laws of combination (series and parallel) of resistances using a metre bridge.
- IV.To compare the EMF of two given primary cells using potentiometer.
- V.To determine the internal resistance of a given primary cell using potentiometer.
- VI.To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.

Questions

1. To find the value of v for different values of u in case of a concave mirror and to find the focal length.
2. To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
3. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and the angle of deviation.
4. To determine refractive index of a glass slab using a travelling microscope.

CLASS:-XII

5. To draw the I-V characteristic curve of a p-n junction in forward bias and reverse bias.
6. To draw the characteristic curve of a Zener diode and to determine its reverse breakdown voltage.
7. To study the characteristics of a common emitter npn (or pnp) transistor and to find out the values of current and voltage gains.

MATHS

1. Prove that $\tan^{-1} 2/11 + \tan^{-1} 7/24 = \tan^{-1} 1/2$
2. Prove that $\tan^{-1} 1/7 + \tan^{-1} 1/13 = \tan^{-1} 2/9$
3. Find the principal value of $\sin^{-1} (1/2)$
4. Find the domain of $\cos^{-1} (2x - 1)$.
5. Find the principal value of $\tan^{-1} (1)$
6. Evaluate $\tan^{-1} (\tan \pi/3)$
7. Evaluate $\cot^{-1} (\cot \pi/3)$
8. Evaluate $\sin (\cot^{-1} \pi/3)$
9. Prove that $\sec^2 (\tan^{-1} 2) + \operatorname{cosec}^2 (\cot^{-1} 3) = 15$
10. Find the value of the expression $\sin [\cot^{-1} \{\cos (\tan^{-1} 1)\}]$
11. Using matrix method, solve the following system of equations
 $X - 2y = 10, 2x + y + 3z = 8, -2y + z = 7.$
12. If A is matrix of order 3×3 such that $A(\operatorname{adj} A) = 5I$, then find $|\operatorname{adj} A|$
13. Differentiate $\log (\sin x^4)$ w.r.t. x using chain rule.
14. Differentiate $x^{\sin x} + (\sin x)^{\cos x}$ w.r.t. x
15. Verify Lagrange's mean value theorem for $f(x) = 3x^2 - 5x + 1$ defined in the interval $[2, 5]$

Extra Work:-

Chapter "Relations and Functions" (Holiday Homework)

Revise and practice:-

Chapter No.2, 3, 4, 5 to Chapter no.6

Revision Test on 27/7/2021 (Chapter No. 2, 3 and 4)

Revision Test on 30/7/2021(Chapter No.5 and 6)

PUBLIC ADMINISTRATION

1. Make a study of civil services in India. Prepare a PowerPoint presentation or pdf or present a video in support of your in-depth knowledge of - Evolution, Recruitment, Training and Examination
2. Reference work-
Make a detailed study of working of khidmat and himayet centres in J & K. Make slides and PowerPoint to show your detailed study.
3. Make a list of all the Articles of Constitution which you have come across from your first chapter onwards.
4. Complete all the Exercises and Questions from Lesson No. 1 to 8 in your Public Adm Register.

POLITICAL SCIENCE

1. Project Work
UNO - Make a detailed study of UNITED NATIONS and prepare notes on the given topics.
 - a) Its Infrastructure
 - b) Why do we need International Organisation
 - c) Evolution of the UN
 - d) Reform of the UN after cold War
 - e) UN peace Keeping
 - f) Jurisdiction of the UN
 - g) India and the UN reformation.
2. Make a PowerPoint presentation on any one of the following topics and practice to teach in the class after the summer vacation.

A. GLOBALISATION

- a) Meaning & Circumstances leading to Globalisation
- b) Consequences of Globalisation
- c) India and Globalisation
- d) India and Resistance to Globalisation

B. SECURITY IN CONTEMPORARY WORLD.

- a) Traditional Notion
- b) Non Traditional Notion
- c) New Sources of Threat
- d) Security Strategy and India.

PHE

Read this at home.

- 1. Give the meaning of Physical fitness.
- 2. Explain briefly the importance of Physical fitness.
- 3. Which factors are responsible to effecting physical fitness?
- 4. Write down the means which develops physical fitness.
- 5. Explain training method for the speed development.
- 6. Write a short note on warming up.
- 7. Why warming up is necessary before main competition?
- 8. Write down the circuit training method.
- 9. Yoga is important to get ride from today's stress life explain.
- 10. Write down the principles of Physical fitness.
- 11. Write down the advantages and disadvantages of fartlek training method.
- 12. Define sociology and importance of sociology.
- 13. Define leader. Write the qualities of a good leader.
- 14. How is socialization improved through games and sports?

Note:- Read chapter 4th at home. Start writing practical, their rules, regulations, fundamental skills and dimensions of games. Play at home for atleast 30 minutes, do exercise and yoga to stay healthy and fit.