

HOLIDAY HOMEWORK

CLASS- XI

BIOLOGY

CHAPTER-20

- 1) With the help of labeled diagram describe the structure and mechanism of contraction of skeletal muscles.
- 2) Explain the anatomy of muscle fiber showing sarcomere.
- 3) How the cross bridge formation does occurs. Explain using diagram.
- 4) Describe the structure of Actin and myosin filament using diagram.
- 5) Explain sliding filament theory of muscle contraction.

CHAPTER-21

- 1) Draw the structure of neuron and explain its various parts.
- 2) Explain the impulse conduction through an axon.
- 3) What do you mean by synapse and synaptic Clift?
- 4) What are the different parts of human brain? Explain their function.
- 5) Diagrammatically explain reflex action using the example of knee-jerk.
- 6) Explain the mechanism of vision.
- 7) Explain the mechanism of hearing.

CHEMISTRY

- 1) Complete the NCERT exercise questions of CH-12 (some basic concepts of Organic Chemistry)
- 2) Revise CH- 2, 4, 5, 6
CH-2 Structure of Atom.
CH-4 Chemical Bonding and Molecular Structure
CH-5 States of Matter
CH-6 Thermodynamics
- 3) Revise Conceptual questions by Pradeep's of Chapter-6 (Thermodynamics).

PHYSICS

- 1) Do the example and back exercises of NCERT of the following chapters:
CH-9 Mechanical properties of solids.
CH-10 Mechanical properties of fluids.
CH-11 Thermal properties of solids.
- 2) Revise and practice all the chapters mentioned above.
- 3) Solve the special exam question paper in your registers.

ENGLISH

- 1) Write an application with Bio-Data to the Principal of Vasant Public School Gurgoan for the post of PGT (Physics). You are Aditi / Aditya living in H. No. 732, Sector 4, Gurgoan.
- 2) Write a letter to the Police Inspector of your area complaining about the nuisance created by continuous use of loudspeakers in your area. You are Ram Kumar, resident of House No. 106, Prem Nagar, Ludhiana.
- 3) Write a notice for the following-

- (i) Literature Quiz
 - (ii) Meeting of Alumni's Association.
 - (iii) Cultural benefit show in aid of orphans.
 - (iv) Career counseling session.
- 4) Write a report on the following-

- (i) Blood Donation camp organized by your school.
 - (ii) A Daylight Robbery in a house.
 - (iii) A clash between a group of students and state Transport bus crew.
 - (iv) A seminar on how to decrease the burden of studies on school going children.
- 5) Revise all the lessons and poems discussed in class.

COMPUTER SCIENCE

1. Write a program that accept radius of a circle and print its area.
2. Program to compute simple and compound interest.
3. Program to make calculator using switch condition.
4. Program to find largest number among three numbers.
5. Program to count number of words present in a line.
6. Find minimum and maximum value from an array.
7. Program to check whether given number is palindrome or not.
8. Program to calculate factorial of given number.
9. Program to print Fibonacci series.
10. Reverse of a string.
11. Program to check whether given string is palindrome or not.
12. Program that reads a string and convert it to uppercase.
13. Program to check a number is Armstrong or not (for example $153=1^3+5^3+3^3$ is Armstrong no)
14. Program of Quadratic equation $ax^2 + bx + c=0$ ($a \neq 0$)
15. Program of addition of two matrixes.
16. Program of multiplication of two matrixes.
17. Program to calculate sum of diagonals.
18. Transpose of a matrix.
19. Program to find an element in an array (Linear search)
20. Program to find an element in an array (Binary search)
21. Program to print cube of given number using call by value method.
22. Program to swap two number using call by value and call by reference.

(ARTS)
HOLIDAYS HOMEWORK
CLASS – XI

SUBJECT – POL.SCI

- Q1. Write the feature of Jan Lokpal Bill. How it is different from Government's Lokpal Bill?
- Q2. Learn all the 17 chapters.
- Q3. Learn and then solve the question paper of Special Exam.
- Q4. Make a Project on Jan Lokpal Bill.

SUBJECT –HISTORY

- Q1. Discuss the advent of humans in North America & chief characteristics of their life before colonialism.
- Q2. With a special reference of the Cherokee tribe, critically examine the problem of alienation of natives of the USA from their land?
- Q3. What is meant by the 'Gold Rush'? How did the 'Gold Rush' contribute to the Building of railway lines the growth of industries and the expansion of agriculture?
- Q4. What steps were taken for the rights and interests of the natives in north America? What is their present position?
- Q5. What was the "The Great Australian Silence"? How did it help to revive culture & traditions of the natives of Australia?
- (II) Do all questions of Ch-10 from N.C.E.R.T.
- (III) Fill the map of Australia.
- (IV) Learn whole Syllabus which is taught in your class.

SUBJECT –GEOGRAPHY

- Q1 Solve question Paper.
- Q2. Practical Work.
 - Ch-4 Latitude and Longitude (Ques/ Ans with diagram)
 - Ch-9 Weather instruments, maps and Charts Symbols on pg (Hindi) C – 93,94,95
Pg (English) C -95,96,97.
- Q3. Ist Book
 - Ch- 5,6,7,8 Learn and do Ques/ Ans & Map Work
- Q4. IInd Book
 - Ch- 1 to 7 complete in copy and learn.

SUBJECT –ENGLISH

- Q1. Revise complete Syllabus
- Q2. Practice sample Papers.

(ARTS)
HOLIDAYS HOMEWORK
CLASS – XII

SUBJECT – POL.SCI

- Q1. Learn all Syllabus
- Q2. Do revision through Sample Papers.

SUBJECT – HISTORY

- Q1. Learn & revise all Syllabus for Pre – Board Examination
- Q2. Do Practice from sample paper
- Q3. Map Practice chapter wise.

SUBJECT – GEOGRAPHY

- Q1. Revise all Syllabus.
- Q2. Complete Map Work.
- Q3. Do sample Papers.

COMMERCE
HOLIDAYS HOMEWORK
CLASS – XI

ENGLISH

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- Q2. Write an Letter to the Police Inspector of your are complaining about the nuisance created by continuous use of loudspeaker in your area. You are ram Kumar, residence of House No 106 Prem Nagar, Ludhiana.
- Q3. Write a notice for the following –
 - a. Literature Quiz.
 - b. Meeting of Alumni’s Association
 - c. Cultural benefit show in aid of orphans
 - d. Career counseling session
- Q4. Write a report on the following-
 - a. Blood Donation Camp organized by your School
 - b. A Daylight Robbery in a House.
 - c. A clash between a group of students and state transport bus crew.
 - d. A seminar on how to decrease the burden of studies on School going Children.
- Q5. Revise all the lessons and poems discussed in class.

ACCOUNTS

- Q1. Prepare a comprehensive project based on Final A/C.
- Q2. Draft a problem and give it a shape in Accounting through.
- a. Journal
 - b. Leger Posting
 - c. Trial Balance
 - d. Financial Statement

BUSINESS STUDIES

- Q1. Prepare a project based on (any one of them)
- I) Types of Retail Trade
 - a. Itinerant Traders.
 - b. Fixed Shop Reliable
 - c. Large Scale Reliving
- Q2. Mail Order Business.
- Q3. Utility of Ecommerce and Outsourcing.

ECONOMICS

- Q1. Prepare the Project file marks -5

TOPICS

- a. Poverty
- b. Consumer Awareness
- c. Questionnaire
- d. Unemployment
- e. Human Capital formation