



**G D GOENKA PUBLIC SCHOOL MODEL TOWN
HOLIDAYS HOMEWORK/CLASS XI/2024-25**

“You can only manage time if you track it right.”

GUIDELINES:

1. Ensure that Practical file/ Project related work as per CBSE guidelines for class 11

S.No.	SUBJECT	HOLIDAYS HOMEWORK
1	ENGLISH	<p>1. Project work as per CBSE guidelines Prepare a project as per the given instructions. The ideas/issues highlighted in the chapters/poems can be developed in the form of a project. Any other contemporary issue too can be explored and taken up for the project.</p> <p>The project portfolio should include the following:</p> <ul style="list-style-type: none">· Cover page with the subject and title, student name and school name· Acknowledgement· Certificate of completion· Statement of purpose/objectives/goals· Action plan· Scripts for role play/questionnaires for interview/essays/survey reports/poems/articles/graphs or other material evidence etc.· 800-1000 words report· Student/group reflection· Photographs· List of resources/bibliography <p>2. On an A4 size sheet, prepare an informative poster on the topic ‘Promoting Tourism in Sikkim’.</p> <p>3. Ensure a thorough revision of all the lessons covered in the syllabus till the month of May.</p>
2	PHYSICS	<p>Do NCERT and resource book questions of Chapter-1,2 in homework register Complete practical file Prepare DIY experiment from easily available material at home proving any physics concept.</p>

3	CHEMISTRY	Chapter1: Some basic concept of chemistry Chapter 2: Atomic structure Do all NCERT intext and exercise questions in the homework register. Solve resource book materials also. Chemistry practical; complete practical f
4	BIOLOGY	ASSIGNMENT: Solve the assignment questions of chapter 1, 2 and 3 PRACTICAL WORK: Complete experiment 1 to 7 in practical file from the lab manual. PROJECT WORK: Prepare the investigatory project file on the allotted topic as per the guidelines given in class. ART INTEGRATED ACTIVITY: Collect specimens of leaves and describe taxonomic hierarchy and their medicinal uses on herbarium sheets.

5 COMPUTER SCIENCE

Q1. Prepare a presentation in SWAY on any one of the topics listed below and share the link with gdgpspinky@gmail.com

- Networking Concepts
- Cyber Laws / Security
- Technology a boon or bane
- Types of Cyber Crimes
- Intellectual property rights

Q2. Visit the website “Code.org” Complete at least two online courses available on the website. Submit the completion certificate of the same

Q3. Complete an ‘Android development Course’ from any website like Coursera, Edx etc. and deposit print of screenshot of the completion of course.

PRACTICAL WORK

Instructions:

- **Take the printout on A5 size black/white sheet.**
- **First the program should be there and after that paste output as discussed in class.**

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1. WAP to accept two integers and print their sum.
 2. WAP that accepts the radius of a circle and prints its area.
 3. WAP that accepts base and height and calculate the area of a triangle.
 4. WAP that inputs a student’s marks in three subjects (out of 100) and prints the percentage marks.
 5. WAP to compute the area of square and triangle.
 6. WAP to calculate simple interest.
 7. WAP to read two numbers and prints their quotient and remainder.
 8. WAP that accepts the length and breadth of the rectangle and calculate its area.
 9. WAP that accepts weight in Kg and height in meters and calculate the BMI. FORMULA TO BE USED: $BMI=W/(H**2)$
 10. WAP to accept the height in cm and convert it into feet and inches. FORMULA: $Feet=a*0.032$
 $Inch=a*0.393$
 11. WAP to find the largest no. out of three nos.
 12. WAP to enter an age and check if he/she is eligible for voting
 13. WAP to find the two roots of quadratic equation

14. WAP to find the speed using formula $s=ut+1/2at^2$
15. WAP to enter to obtain x, y, z and calculate $4x^4+3y^3+9z+6\pi$.
16. WAP to input a number and print its square if it is odd, otherwise print its square root.
17. WAP to input a number and check whether it is positive, negative or zero.
18. WAP to input percentage marks of a student and find the grade as per the following criterion:
- | Marks | Grade |
|-----------|-------|
| ≥ 90 | A |
| 75-90 | B |
| 60-75 | C |
| Below 60 | D |
19. WAP to enter a number and check if it is a prime number or not.
20. WAP to display a menu for calculating the area of the circle or perimeter of the circle.
21. WAP that reads two numbers and an arithmetic operator and displays the computed result.
22. WAP to print whether a given character is an uppercase or a lowercase character or a digit or any other character.
23. WAP to calculate and print the roots of a quadratic equation $ax^2+bx+c=0.(a\neq 0)$

6	INFORMATICS PRACTICES	<p>Prepare a presentation on any one of the topics listed below and share the link with rishikapuri91@gmail.com</p> <ul style="list-style-type: none">• Digital Footprints• Indian Information Technology Act (IT Act)• Types of Software• Computer Memory <p>PRACTICAL WORK</p> <p>Instructions:</p> <ul style="list-style-type: none">· Take the printout on A4 size black/white sheet .· First the program should be there and after that paste output as discussed in class. <p>=====</p> <ol style="list-style-type: none">1. Write a python statement to print a blank line.2. WAP to input roll numbers and marks in three subjects of a student. Calculate and display the total and percentage.3. WAP to accept city and state from the user and Display them in different lines using a single print statement.4. WAP to accept the side of a cube and display its volume.5. WAP to accept two integers and print their sum.6. WAP to calculate simple interest.7. WAP to input employee number, basic, HRA, DA and IT of an employee. Calculate and display the net salary. Hint:-(net salary=basic+HRA+DA-IT)8. WAP to input sides of a triangle and calculate its area.
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7	MATHEMATICS	<p><u>LAB MANUAL ACTIVITIES:</u></p> <p>Complete the following Activities in your Mathematics Lab Manual (Orange Spiral):-</p> <ol style="list-style-type: none"> 1. Activity 1: To find the number of subsets of a given set and verify with the formula. 2. Activity 2: To represent the set theoretic operations using Venn Diagrams. 3. Activity 3: To find and verify the total number of relations from set A to set B. 4. Activity 4: To distinguish between a relation and a function. 5. Activity 5: To interpret geometrically the meaning of Iota and its integral powers.. <p>Instructions to be followed:</p> <ol style="list-style-type: none"> 1. Do a very neat and tidy work in the lab manual as it will be a part of internal assessment. 2. Make very clear labelled diagrams and use graphs wherever necessary. 3. Fill the index properly.
8	ACCOUNTANCY	<p>Complete the following in a project file (with important points highlighted).</p> <p>** Source Documents are evidence of transactions that have taken place and contain details like the amount, date, name of the concerned party, etc.</p> <p>In context of above</p> <ol style="list-style-type: none"> a. Define the following : <ul style="list-style-type: none"> • Cash Memo • Invoice • Cheque • Pay in slip • Receipt b. Students are required to collect source documents like receipts, bills, counter foils of bank slips etc. and paste them in their project file. Minimum five such documents have to be pasted (one sample for each document) c. Paste the documents required for opening a bank account.

9 ECONOMICS

1. Economics project work important Instructions:

- Project file consists of the work assigned below.
- Attach a certificate that data given in the project is TRUE TO YOUR KNOWLEDGE.
- Index with page number should be attached.
- If you take any help from the internet or any source, it should be mentioned on the last page as bibliography.
- Please adhere to the sequence of the project file:
 - (a) Index
 - (b) Self certification
 - (c) Acknowledge duly signed by the teacher with date.
 - (d) General information about the project (literature review)
 - (e) Data collection (any book or website)
 - (f) Presentation of content (this includes causes, consequences etc. , advantages/disadvantages, short term or long term implication suggested in the course of research, validity and relevance of data presented)
 - (g) Case study related to the topic (research work)
 - (h) Bibliography

The students can take any topic from the course book or select topics mentioned on CBSE academic website.

NOTE : The student must get the topic approved by the teacher before finalising it.

2. Complete worksheets from resource book of ch-1 and ch-2 in register.

3. Learn ch-1 Introduction and ch-2 Consumer Equilibrium.

10	BUSINESS STUDIES	<p>1. <u>Project Work</u></p> <p>During summer break visit to any Mall in the city with your parents and make a project report/observation report (consisting 10-12 pages) which must include :</p> <ul style="list-style-type: none"> ● Number of floors, shops occupied and unoccupied ● Nature of shops, their ownership status ● Nature of goods dealt in; local brands, International brands ● Rented spaces, owned spaces ● Different types of promotional schemes ● Most visited shops ● Special attractions of the mall- Food court, gaming zone or cinema etc. ● Innovative facilities ● Parking facilities etc. <p>Students may add any other relevant information to their report and will submit after summer break.</p> <p>Important instructions for the project file :</p> <p>The project file will be prepared in the following sequence-</p> <ul style="list-style-type: none"> ● Cover page should project the title, student information, school and year. ● List of contents. ● Acknowledgements and preface ● Introduction. ● Topic with suitable heading. ● Observations and findings while conducting the project. ● Pictures of mall ● Conclusions (summarised suggestions or findings) ● Bibliography <p>2. Do the case study based questions of chapter 1 and 2 from the resource book in your register.</p>
11	ENTREPRENEURSHIP	<p>Prepare a project on any one leading Start-up: its product offerings and history. Also keep in mind during your research that you follow their journey and strategies of doing business and how they are innovating to survive in the business.</p> <p>Prepare mind maps of the Unit - Entrepreneurship: Concepts and Function using flowcharts creatively.</p>

12	PAINTING	<p><i>"Art is not what you see but what you make others see"</i></p> <p><i>- Edgar Degas</i></p> <p>Q1. Still Life -Keeping Nature and Object Study in mind, draw, color and shade any 2-3 Natural and Geometrical Forms with light and shade from a fixed point of view and drapery for background. Natural forms like Plants, Vegetables, Fruits and Flowers, etc. are to be used. Geometrical form of objects like cubes, cones, prisms, cylinders and spheres. Draw it on an A2 size of sheet either horizontally or vertically.</p> <p>Q2. Draw and Paint at least two compositions given below based on subjects from life and nature in water and poster colours, on A2 size of sheet either horizontally or vertically. Your composition should be original and effective.</p> <p>Topics: Any indoor or outdoor scene, My favourite holiday destination, City scape, Sport I like the most, Festival scene, Rural India etc.</p>
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13	POLITICAL SCIENCE	<p>Prepare Political Science project, as per CBSE curriculum guidelines (2024-25) as discussed in class , (for 20 marks-10 viva,10 project file) Topic- any chapter from the book-Indian Constitution at work</p> <p>Guidelines for Project Work The expectations of the project work are that</p> <p>A. It will be an individual/pair/group, B.The projects must be neat and well presented and must be completely handwritten. C. Learners may work upon the following lines as suggested following</p> <ol style="list-style-type: none"> 1. Choose a title/topic 2.Certificate 3. Acknowledgement 4. Index 5.Objective of the study 6. Hypothesis 7. Content -timeline,maps,pictures, 8. Organization of material/data 9.Analysis of material/data 10.Conclusion 11. Bibliography <p>D. Viva based on the project work E. Complete worksheets from Resource Book Indian Constitution at work of Ch1,9,10,2 in register. F. Revise the Chapters done .</p>
14	HISTORY	<p>A Project to be done as per the existing scheme in school. Topic any chapter from the book ‘Themes in world history’.</p> <p>A. Steps involved in the conduct of the project: Students may work upon the following lines as suggested:</p> <ol style="list-style-type: none"> 1. Choose a Title/Topic 2. Need of the Study, Objective of the Study 3. Hypothesis 4. Content -Timeline, Maps, Mind maps, Pictures, etc. (Organization of Material/Data Present Material/Data) 5. Analysing the Material/Data for Conclusion 6. Draw the Relevant Conclusion 7. Bibliography <p>B. Viva based on the project work C. Learn assignment done in register.</p>

15	SOCIOLOGY	<p>A. Project undertaken during the academic year at school level (15 Marks)</p> <ol style="list-style-type: none"> 1. Introduction - 2 Marks 2. Statement of Purpose – 2 Marks 3. Research Question – 2 Marks 4. Methodology – 3 Marks 5. Data Analysis – 4 Marks 6. Conclusion – 2 Marks <p>B. Viva – based on the project work (05 Marks)</p> <p>TOPIC FOR THE PROJECT- any social issue of Indian society.</p> <p>C. Learn the assignments done in the notebook for Book 1 Ch 1 and 2</p>
16	LEGAL STUDIES	<ol style="list-style-type: none"> 1. The student is required to select any 5 decided cases where in one case is of criminal nature, one is of civil nature, one is constitutional, one is related to international law and one is of student’s choice (PIL if possible). 2. The research on the cases must include the following points: <ol style="list-style-type: none"> a. Name of the case b. Parties to the case c. Nature of the case (Civil, Criminal or Constitutional) d. Facts of the case and issues involved e. Decision of the case f. Citation of the case

17	PSYCHOLOGY	<p>1. Prepare a chart on Scope of Psychology in India and Abroad</p> <p>2. ONE CASE PROFILE-</p> <p>The case profile will include developmental history of the subject using both qualitative and quantitative methods. Qualitative methods include observation, interview etc. The main objective of preparing a case profile is to understand the individual in totality. The students may prepare a case profile of an individual who has excelled in areas like sports, academics, music etc. or having special needs like learning disability, autism or those with interpersonal social problems i.e. poor body image, obesity, temper tantrums, substance abuse, not getting along with peers, withdrawn etc. They may be encouraged to find out the background information and developmental history of the individual.</p> <p>SUGGESTED FORMAT FOR PREPARING A CASE PROFILE</p> <ul style="list-style-type: none"> • Contents • Certificate • Acknowledgement • What is a case study • Preliminary information • Family tree • Birth history • Information about socioeconomic status consisting of information about mother's/father's education and occupation, number of members in the family-brothers, sisters and their birth order • Information about physical health, physical characteristics. • Why did you choose your subject • How did you approach your subject • How did you make rapport with your subject • Methods used • Childhood history • Adolescent stage • Relationships with father, mother, sibling, friends, teacher (under separate headings • Psychometric testing • Any other information • Analysis
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18	PHYSICAL EDUCATION	<p>Record File shall include:</p> <p>Practical-1: Labelled diagram of 400 M Track & Field with computations.</p> <p>Practical-2: Computation of BMI from family or neighbourhood & graphical representation of the data. Practical-3: Labelled diagram of field & equipment of any one game of your choice out of the above list.</p> <p>Practical-4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratna Award).</p> <p>Practical-5: Pictorial presentation of any five Asanas for improving concentration.</p>
19	APPLIED MATHEMATICS	<p>Practical work Representation of sets using Venn diagrams. https://drive.google.com/file/d/1RYiWDwR6Y0Gw1P6Cgl_xg_eHEMcd_Y17/view</p> <p>Instructions:</p> <ol style="list-style-type: none"> 1. Do all the questions in the attached link in Excel spreadsheet. 2. Printouts of all the answers need to be attached in the project file.
20	YOGA	<p>Students to make a power point presentation / assignment / practical file.</p> <p>Suggested list of Practical – 1. Practice of Sukshmayayama 2. Practice of Surya Namaskar 3. Practice of Asanas 4. Practice of Halasana 5. Practice of Pawanmuktasana 6. Practice of Bhujangasana 7. Practice of Shalabhasana 8. Practice of Gomukhasana.</p>
21	HOME SCIENCE	<ol style="list-style-type: none"> 1. Prepare two healthy snacks for an adolescent suitable in her/his context. 2. Prepare a PowerPoint Presentation on different types of Fibres and their properties, care and uses. <ul style="list-style-type: none"> ● Cotton ● Linen ● Wool ● Silk ● Rayon ● Nylon ● Polyester ● Acrylic ● Elastomeric fibres