

HOLIDAYS HOMEWORK & PROJECTS FOR CLASS XI

S.No	SUBJECT	NAME OF THE TEACHER	HOLIDAY HOMEWORK
1.	ENGLISH	Mr. Manoj Mishra Ms. Swati	<p>1. Solve 10 comprehension passages of your own choice in a holiday homework register.</p> <p>2. Read a work of fiction or non- fiction of your choice and make a review of the same in the holiday homework register.</p> <p>3. Write meaning of 50 idioms and phrases and proverbs in holiday homework register and learn them.</p> <p>4. Maintain a daily record of important national and international news items in your holiday homework register.</p> <p>Assignments are uploaded on the portal for the following chapters:</p> <ol style="list-style-type: none"> 1.The Portrait of a Lady 2. We're not Afraid to Die...If We Can All Be Together 3. A Photograph 4.The Laburnum Top. 5.The Summer of the Beautiful White Horse 6..The Address 7.Grammar – Rearranging of words or phrases into meaningful sentences. 8. Speech writing- 2 ques. <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
2.	MATHS	Ms. Ritika Ms.Soumya	<p>Complete all the practicals in Mathematics Activity File</p> <p>Assignments are uploaded on the portal for the following chapters:</p> <ol style="list-style-type: none"> 1: Sets 2: Relation and function 3: complex numbers 4: Linear inequalities <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>

COMPULSORY ACTIVITIES FOR STUDENTS OF SCIENCE & COMMERCE STREAM – MODEL MAKING

Prepare a Model/Project/Research Paper on any one of the following topics -

TOPICS:

1. Cryptocurrency - Mathematics behind its functioning
2. Cryptology and Bitcoins - Explaining the mathematical concept behind it.
3. Conic Sections - Explaining the content with real life examples
4. Mathematics behind the working of drones
5. Electronics
6. Three dimensional geometry - It's daily life usage
7. Derivatives - Meaning and it's correlation to daily life.
8. Stock Market - Analysis of growth and depreciation of stock market
9. Mathematical Biology - Corelation with genetics
10. Relation and Function - Explaining with real life examples

General Instructions:

1. Model/Research Paper should be handmade.
2. Eco-friendly materials should be used.
3. Students will prepare one model on any one of the topics given .
4. Students will explain the model and mathematical principle / laws behind it.
5. They can highlight their creativity by –
 - a) Identifying issues/ knowledge gaps
 - b) Challenges faced
 - c) Create Awareness
 - d) Identify Solutions
 - e) Futuristic Vision

This provides an opportunity to students to exhibit their creative skill, develop the ability to think critically about the world around us.

Note – Projects/ Models should be handmade. Eco-friendly materials should be used. No thermocols

S.No.	SUBJECT	NAME OF THE TEACHER	HOLIDAY HOMEWORK
3.	PHYSICS	Ms. Niru Sabharwal	<ol style="list-style-type: none"> 1. Learn dimensional formulae of all physical quantities given. 2. Write the experiments in the practical file .Assignments are uploaded on the portal for the following chapters: <ol style="list-style-type: none"> 1. Chapter 2 - Units and Measurements The students are required to complete the assignments in their registers and submit it after the summer vacation.
4.	CHEMISTRY	Ms. Madhupreet Kaur	<ol style="list-style-type: none"> 1. Make a project based on scientific investigations involving experimentation and collecting information from other sources. 2. Learn the salt scheme for qualitative estimation of a given salt. Assignments are uploaded on the portal for the following chapters: <ol style="list-style-type: none"> 1. Some Basic Concepts of Chemistry 2. Structure of Atom The students are required to complete the assignments in their registers and submit it after the summer vacation.
5.	BIOLOGY	Ms. Anie Benny	<ol style="list-style-type: none"> 1. Complete the practical file as per the experiments given. 2. Modify the project as per discussed in the class. (Add more pictures and data's related to the topics. Case study is must for project on diseases) students whose topics are not finalized will contact me for discussion and finalisation of topics. Assignments are uploaded on the portal for the following chapters: <ol style="list-style-type: none"> 1. The Living World 2. Biological Classification 3. Plant Kingdom The students are required to complete the assignments in their registers and submit it after the summer vacation.

COMPULSORY ACTIVITIES FOR STUDENTS OF SCIENCE STREAM – MODEL MAKING

THEME: SUSTAINABLE DEVELOPMENT GOALS

SUB-THEME:

SDG 7- Affordable and Clean Energy

SDG 9- Industry Innovation & Infrastructure

SDG 11- Sustainable Cities and Communication

SDG 12- Responsible Consumption and Production

SDG 13- Climate Action

General Instructions –

1. Project/Model/Research Paper should be handmade.
2. Eco-friendly materials should be used.
3. Students will prepare one model on any one of the topics given under Subtheme.
4. Students will explain the model and scientific principle behind it.
5. They can highlight their creativity by –
 - a) Identifying issues/ knowledge gaps
 - b) Challenges faced
 - c) Create Awareness
 - d) Identify Solutions
 - e) Futuristic Vision

This provides an opportunity to students to exhibit their creative skill, develop scientific temper and scientific attitude

Note – Projects/ Models should be handmade. Eco-friendly materials should be used. No thermocol.

S.No.	SUBJECT	NAME OF THE TEACHER	HOLIDAY HOMEWORK
6.	COMPUTER SCIENCE	Mr. Mohan Singh	<p>Make a Program File(Hard Copy) (Write at least 15 programs using if-else,if-elif Such as Write a program to find largest and smallest of three nos</p> <p>Assignments are uploaded on the portal for the following chapters:</p> <ol style="list-style-type: none"> 1- computer system overview 2-Data representation 3- Boolean logic 4-Python till if-else n for loop <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
7.	ACCOUNTANCY	Ms. Vandana Shah	<p>Collect Source Documents (Cash Memo, Invoice/ Bill, Receipt, Pay-in-slip, Cheque, Debit Note, Credit Note). Paste them on A4 sheets and write information relating to each Source Document in detail.</p> <p>Assignments are uploaded on the portal for the following chapters:</p> <ol style="list-style-type: none"> 1. Introduction to Accounting 2. Basic Accounting terms 3. Bases of Accounting <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
8.	BUSINESS STUDIES	Ms. Divya Sharma	<p>(a) Project work based on field visit to various markets , Wholesale market ,Industry, Departmental store retail showrooms (Large scale) any 1 .</p> <p>(b) Study about its Products and services provided , revenue generated and different outlets</p> <p>© Conducting SWOT analysis</p> <p>(d) Study the individual and social objectives fulfilled by it.</p> <p>Assignments are uploaded on the portal for the following chapters:</p> <p>Chapter 1: Nature and purpose of business</p> <p>Chapter 2: Forms of business organization</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>

9.	ECONOMICS	Ms. Shubham Arora Mr. Manoj Aggarwal	<ul style="list-style-type: none"> • Practice 1 markers (MCQs, Assertion-Reason, Statement based questions, Case based questions, Source based questions, match the following, etc) of all the chapters covered in class. • Also, practice the numericals uploaded as an assignment. <p>Assignments are uploaded on the portal for the following chapters: STATISTICS FOR ECONOMICS Ch-1 Introduction Ch-2 Collection of data Ch-3 Organisation of data</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
10.	POLITICAL SCIENCE	Ms. Ritu Anand	<p>1) Project files to be prepared by the students for board exams practical. (To be assessed for 20 marks project work as per the guidelines of CBSE)</p> <p>Specification for Project file to be prepared for board exams</p> <p>a) Individual Projects to be prepared as per the topics of your current syllabus.</p> <p>b) The project should be inter-disciplinary covering the other branches of Humanities like History, Geography, Economics, Sociology.</p> <p>c) Students are expected to conduct research work and show evidences for their research work for example they can conduct surveys, interviews, group discussions etc. ,show recordings as evidence in project</p> <p>d) Data related to topics should not be just taken from Google& Wikipedia. Students are requested to read relevant books, journals, magazines, newspaper related to their topics.</p> <p>TOPICS</p> <ol style="list-style-type: none"> 1. Constitution : Why and How 2. Rights in the Indian Constitution

			<ol style="list-style-type: none"> 3. Election and Representation 4. Executive 5. Legislature 6. Judiciary 7. Federalism 8. Local Governments 9. Constitution as a Living Document 10. Philosophy of the Constitution 11. Political Theory - An Introduction 12. Freedom 13. Equality 14. Social Justice 15. Rights 16. Citizenship 17. Nationalism 18. Secularism <p>Assignments are uploaded on the portal for the following chapters:</p> <ol style="list-style-type: none"> 1. Constitution - How And Why 2. Local Government <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
11.	SOCIOLOGY	Ms. Aakanksha Bisht	<p>1) Prepare a research based project file for a contemporary Social Issue. List of topics is already given in the class.</p> <p>(2) Carry out the research in a detailed manner. Strictly follow the given format with proper methodology and presentation of secondary evidence.</p> <p>(3) Contextualize your analysis of the topic using proper statistical tools(bar graph , pie charts)</p> <p>* Note:- Do the Project work on A-4 SIZE SHEETS, in a proper project file .</p>

			<p>Assignments are uploaded on the portal for the following chapters:</p> <p>Chapter 1: Sociology and Society Chapter 2: Terms , concepts and their use in Sociology</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
12.	PSYCHOLOGY	Ms. Harshita Arora	<p>The students are supposed to do the following:-</p> <p>(A.) Students have to prepare practical files based on the following tests:</p> <ol style="list-style-type: none"> 1.Practical I- RSPM (Raven’s Standard Progressive Matrices – Test to measure Intelligence) 2.Practical II- AISS (Adjustment Inventory for School Students – To understand adjustment level of students) <p>(B.) The students are required to complete an assignment based on Chapter-1 in the fair notebooks.</p> <p>(C.) This assignment hopes for the students to engage with some questions that therapists might keep in mind whilst taking a client's case history and formulating a conceptualisation about the same.</p> <p>The clients, in this case, will be characters from popular films/ TV series/books!</p> <p>List of Characters:</p> <ol style="list-style-type: none"> 1.Dr Sheldon Cooper -The Big Bang Theory 2.Karna: Mahabharata 3.Ved: Tamasha 4.Jack Torrance: The Shining 5.Jacob Tremblay as Jack Newsome- Room (2015) 6.Roman Griffin Davis as Jojo - Jojo Rabbit 7.Park So-dam as Kim Ki-Jung, daughter of the Kim family- Parasite (2019) 8.Michael Keaton as Riggan: Birdman 9.Kabir Singh: Kabir Singh 10.Voldemort: Harry Potter 11.Rick: Rick and Morty

			<p>12.Riley: Inside Out 13.Irrfan Khan as Saajan Fernandes: The Lunchbox 14.Alia Bhatt as Veera - Highway 15.Darsheel Safary: Taare Zameen Par 16.Jhilmil (played by Priyanka Chopra): Barfi 17.Sam played by Sean Penn: I am Sam 18.Matt Damon as Will Hunting - Good Will Hunting</p> <p>Some prompts to keep in mind while structuring the assignment:</p> <p>Imagine you were the therapist of one of these characters and now think about the following questions:</p> <ol style="list-style-type: none"> 1. What do you think are the concerns? Can you put them under subheadings/classify them? 2. Describe their experience of the problem, has that influenced them in any way? 3. What parts of their undisplayed character or story would you be curious about? i.e, would you like to know more about their academic development, early childhood, family history or their social skills or something else? 4. Who else would you have liked to invite from their social group/family to know more about them? 5. What are the strengths/skills/abilities/qualities of this character? <p>All the required material for practicals and the assignment will be shared in the WhatsApp group.</p> <p>Assignments are uploaded on the portal for the following chapters: Chapter 1: What is psychology?</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
13.	PHYSICAL EDUCATION	Mr. Girish	<ol style="list-style-type: none"> 1. Complete your practical file. Practical file shall include:- Practical 1:- Fitness test administration (SAI Khelo India Test) Practical 2- Procedure, benefits and Contraindications of the following yoga asanas:

			<p>i) Padmasana ii) Vajrasana iii) Bhujangasana iv) Trikonasana. V Chakrasana vi) Dhanurasana vii) Tadasana viii) Savasana</p> <p>Practical 3 - Explain about track and field events. Draw a labelled diagram of 400m track with Computation.</p> <p>2. Write 15 Short questions with answer from unit I and unit 2 in your registers. Assignments are uploaded on the portal for the following chapters: 1.Changing trends and career in Physical Education 2. Olympic value education</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>
14.	INFORMATICS PRACTICES	Ms. S. Poornima	<ol style="list-style-type: none"> 1. Prepare the practical file by completing the list of program as shared in class. The practical file should have proper cover page, index and programs with output. 2. Complete the work in IP register of Ch-2, Ch-3 and Ch-4 till date. Prepare it thoroughly. 3. Practice the MCQ's of Ch-2 and Ch-3. Back exercises questions of Ch-2 and Ch-3 should be completed in the fair register. Practice 5 programs daily on Python IDLE <p>Assignments are uploaded on the portal for the following chapters: 1. Python Fundamentals 2. Data Handling in Python</p> <p>The students are required to complete the assignments in their registers and submit it after the summer vacation.</p>