

## HOLIDAYS HOMEWORK, CLASS 12, Session 2022-23

### PHYSICS

Record of at least 6 Activities [with 3 each from section A and section B] in a **separate practical file** (Classmate)/any other.

#### SECTION A

- To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source.
- To assemble the components of a given electrical circuit.
- To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.

#### SECTION B

- To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
- Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.
- To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.

### CHEMISTRY

- Make a project of chemistry on the topics already allotted to all of you in class. The project should be of 25-30 pages, to be made on coloured sheets and compiled in a folder (not spiral bind) for submission, sample of the same has been uploaded on googleclassroom for reference. kindly ensure that the project is presentable as it carries marks in final practicals.
- Thoroughly Read and understand the guidelines mentioned on googleclassroom and complete the experiments In the Chemistry practical files as per the directions.

### MATHEMATICS

Make a project of Mathematics on the partner State of Chandigarh i.e. Dadar and Nagar Haveli. This project is to be submitted on A4 sheets before 15-07-2022. It carries 5 marks and will be counted as INTERNAL ASSESSMENT.

Look at the COMPARATIVE STUDY of DNH (Dadar and Nagar Haveli) w.r.t CHANDIGARH given below and complete the information left over on the basis of your research:

PLACE	DNH	CHANDIGARH
COUNTRY	INDIA	
U. T	DADAR AND NAGAR and DAMAN AND DIU	
TOTAL AREA	491 km <sup>2</sup>	
POPULATION	343,709	
LAMGUAGE	HINDI and GUJRATI	

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On the basis of your research and comparative study given above answer the questions given below:

1. Give 2 examples in terms of parameters given above when both states show reflexive relation with each other (Give reasons)
2. Languages used in both states is reflexive but not symmetric – AGREE / DISAGREE (Give reasons)
3. Total area of DNH  $\geq$  Total area of Chandigarh is neither reflexive nor symmetric (Give reasons)
4. Paste pictures of costumes/ food and dance of both states to make your project creative.

### **ACCOUNTANCY**

1. You are required to prepare **ONE** project/ chart on “Chandigarh and Dadra and Nagar Haveli” as Art Integration Project (COMPARATIVE STUDY)  
**Topic:**  
**“Top Business houses & their Corporate Social Responsibilities”**
2. Complete the illustrations assignment of Chapter: Accounting Ratios.

### **BUSINESS STUDIES**

1. Please complete your notes of Principles of Management & Business Environment Chapters.
2. You are required to prepare **ONE** project/ chart on “Chandigarh and Dadra and Nagar Haveli” as Art Integration Project (COMPARATIVE STUDY)  
**Topic:**  
**“ Trade Practices & Cultural Hertiage”**  
**Or**  
**“ New Emerging Business Avenues”**

### **ECONOMICS**

Maintain notebook

\*Complete notes

\*Complete project file already discussed and allotted on Google classroom and class group.

Follow instructions regarding topic , no. of pages, picture etc.

For example it should be of 35-40 pages ,made on colored sheet. Properly compiled.Do not get it spiral bind. Project should be presentable and pls paste topic appropriate pictures on it.

### **ENGLISH FINAL PROJECT CBSE**

**Choose any one of the following (1000 words )  
Interview of Acid Attack Victim( ON THE FACE OF IT )**

**Interview of Psychiatrist ( THE THIRD LEVEL)**  
**Interview of swimmer who had near drowning experience (Deep Water )**  
**Interview of Prisoner ( Evans Tries O'Level )**  
**Listen to Interview ,podcast or TV interview write a report in 1000 words.**

### **POLITICAL SCIENCE**

Activity no. 1,2,3 are compulsory for all to do whereas activity no. 4 & 5 depends on individual allotments. After vacations, we will share everyone's research work in class. Project work (as per CBSE guidelines) posted in the googleclassroom is also assigned for which you will start with your initial research.

1. Read newspapers daily and note the important national and international political events. Keep a close watch on the news related to the EU, BRICS, SAARC, ASEAN, India- US relations, India- Russia relations, India-China relations, India- Israel relations, India- ASEAN relations, India-EU relations, India's Relations with neighboring countries. Paste pictures related to the news. (use A4 size white interleaf sheets)
2. Collect cartoons from various newspapers and magazines. What are the various issues that they are concerned with? (use A4 size white interleaf sheets)
3. Prepare a **report** on the following:  
Find out the causes and consequences of the recent Russia- Ukraine crisis. Give your opinion to improve the situation. Paste pictures related to the crisis. (use A4 size white interleaf sheets)
4. Write an essay on the following topics in around 200 words. \*One essay is assigned to each student. Paste pictures related to each event & crisis. (use A4 size white interleaf sheets)

**A . Middle East Crisis.**

**B. CIS and the process of democratization.**

**C. ARAB SPRING:** success or failure

#### D. Afghanistan crisis

5. Write an essay in around 200 words on National Political parties & the regional (state) parties in India. Each student has been assigned a political party. You will cover the following points in an essay on the political party allotted to you. Use A 4 size white interleaf sheets & paste pictures related to that party & the leaders associated with the party (pre independence & post independence) .

- a. Draw a party's election symbol.
- b. History
- c. Party's position after independence
- d. Present position
- e. Political positions
- f. Policies, Programmes & Strategies
- g. Election results
- h. Structure & Composition
- i. Presence in States & UTs
- j. Legislative leaders

Topics for the Project work have been allotted to all the students. Students are required to prepare the following pages on the given topic. Initiation/ Synopsis, Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection. (**use A4 size white sheets**).

Do all assignments posted in the googleclassroom in Political Science registers.

#### **SOCIOLOGY RESEARCH PROJECT** **(Holidays Homework)**

Students may work upon the following lines as suggested and make a **Research Project** on

the topic of social relevance.

- Choose a **Title/Topic** Need of the Study,
- **Objective** of the Study Hypothesis
- **Content** -Timeline, Mind maps, Pictures, etc.
- (Organization of Material/Data Present Material/Data)
- **Analyzing** the Material/Data for Conclusion
- Draw the Relevant **Conclusion**
- **Bibliography**

Expected Checklist for the **Project Work**:

Introduction of topic/title Identifying the causes, events, consequences and/or remedies Various stakeholders and effect on each of them Advantages and disadvantages of situations or issues identified Short-term and long-term implications of strategies suggested during research Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file Presentation and writing that is succinct and coherent in project file Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

**Project Work** has broadly the following phases:

Synopsis/ Initiation, Data Collection, Data Analysis and Interpretation, Conclusion.

The aspects of the project work to be covered by students can be assessed during the academic year.

**Viva-Voce** At the end, each learner will present the research work in the Project File to the External and Internal examiner. The questions should be asked from the Research Work/ Project File of the learner.

## PSYCHOLOGY

- 1.Complete Practical 1 (RPM) in your file.
- 2.Complete the worksheet of Ch1 uploaded in google classroom in your notebooks.
- 3.Make a project on any one of the psychological disorders shared in the google classroom.The project should be of 35-40 pages, use coloured sheets and should be compiled in a folder (no spiral bind)for submission. Follow the instructions shared in Google Classroom.

\*This Project work will also be assessed by the external examiner assigned for the Final Practical Exam.

## LEGAL STUDIES

1. Prepare a Project (COLLAGE, POSTER on A 3- width wise) on 'The Constitution of India has room for Judicial review'. Trace the reasons and the provisions in the Constitutional Amendment done to the Constitution of India as mentioned against your Name

**Name - Abhilaksh, Abhinav, Keshav, Yuvraj-** The Constitution (7th

Amendment), 1956

**Name - Aditya, Bhavil, Pulkit, Saagiv-** The Constitution (24th Amendment Act), 1971

**Name - Arnav Rishi, Raagan, Sabhyasachi, Aryan Garg-** The Constitution (42nd Amendment Act), 1976

**Name - Arnav Singh, Himish, Shivam, Sidakveer-** The Constitution (44th Amendment Act), 1978

**Name - Pragun, Prashast, Viren-** The Constitution (86th Amendment Act), 2002

2. ONE "ONLINE NEWSLETTER" TO BE PREPARED ON ONE OF THE FOLLOWING TOPICS:

**A.** Democracy: strengths and shortcomings **B.** International politics. **C.** Rights: A privilege for few or all. **D.** Constitutional values: Preamble to Indian Constitution, Understanding the spirit of the Constitution, Justice: social, economic and political; Liberty of thought, expression, belief, faith and worship; Equality of status and of opportunity; Fraternity: the fraternity, the dignity of individual and the unity and integrity of the nation; Secularism: key features of the Constitution of India:- fundamental rights, directive principles of State policy, fundamental duties, citizenship. **E.** 'An independent study of the present day Judiciary in India.' The project should cover the following topics- introduction, constitutional provisions for courts in India, hierarchy of courts in India, how are the judges appointed to the courts in India, name the present chief justice of Supreme Court and the High Court of your state, Judiciary in the news today. Substantiate your study with pictures, flowcharts and diagrams wherever applicable.

Also, include in the project biography of one of the makers of the Constitution. RESEARCH ON TOPIC AND COMPILE IT WITH CARTOONS, CARICATURES, SLOGANS AND POSTERS

**OR**

Human rights: the historical perspective; the philosophical foundations of human rights; the United Nations declaration of human rights; civil and political rights; economic, social and cultural rights; human rights of vulnerable groups; human rights violation and remedies; gender equality. Prepare a **short investigatory project** based on current events as reported in the press and identify who is the victim, who has violated his or her human rights, which right has been violated, what is the abuse committed, and how was the victim protected.

KINDLY NOTE: In POINT NO. 2, '**A**' will be taken by **Abhilaksh, Abhinav, Keshav, Yuvraj**, '**B**' will be taken by **Aditya, Bhavil, Pulkit, Saagiv**, '**C**' will be taken by **Arnav Rishi**,

**Raagan, Sabhyasachi, Aryan Garg, 'D' will be taken by Arnav Singh, Himish, Shivam, Sidakveer, 'E' will be taken by Pragun, Prashast, Viren.**

### **BIOLOGY**

1. Make a project of Biology on the topics that will be allotted to you. The project should be of 20-25 pages, use coloured sheets and should be compiled in a folder (no spiral binding) for submission. The format for the same will be shared.

***Kindly ensure that your project is presentable as it carries marks in final practicals.***

### **COMPUTER SCIENCE**

Complete your practical files, 5 programs on the topic Functions and 5 on File Handling. Take a printout of the program along with its output, the way you did in class 11.

### **PHYSICAL EDUCATION**

**Write Practical 1 and Practical 2 on your practical file**

### **INFORMATICS PRACTICES**

Practical file to be made on all practical questions from Python Pandas-1. Take a printout of the program along with its output, the way you did in class 11.

### **PAINTING**

Make 3 Posters size A2

Topic - 1. Bio Diversity

2. Traffic jam

3. Global warming

Art works/ drawing

1 warli art work

1 landscape art work

1 still life.