



Chand Janmeja

DAV CENT. PUBLIC SCHOOL

(Directly Managed by DAV College Managing Committee, New Delhi)

L-Block, Shastri Nagar, Meerut

Tel.0121-2708712, 2709119 | E-mail : davmeerut123@gmail.com | Website : www.davmeerut.org

Holiday Homework (Session-2023-24)

Class XI

(ENGLISH)

1. Based on the play 'MOTHER's DAY' of your book SNAPSHOTS, prepare a research based PROJECT FILE of around 10 pages on the ROLE OF A MOTHER based on the SUSTAINABLE DEVELOPMENT GOAL - GENDER EQUALITY

You need to interview your own mother and 3-4 other home makers/ house wives and comment on their role as a strong pillar of the family where GENDER IS EQUAL in terms of household chores and responsibilities.

* Paste photos while taking interview of the ladies as evidence

* Prepare a sensible questionnaire with at least 10 questions which you will ask in your interview

* In the end attach a conclusive report of the entire project in your own words

(2) Read Ch-1&2 of Snapshots and give a character sketch of their main characters in your NOTEBOOKS.

(3) You are also instructed to either read an English Newspaper or watch an English News Channel to improve your vocabulary & listening skills & also to stay updated with the current affairs which will come handy in the WRITING SECTION

(PHYSICS)

Complete the following questions in your physics fair note book. This assignment consists of questions asked from chapter 2.

SUBJECT: PHYSICS

CHAPTER 2: MOTION IN A STRAIGHT LINE

VERY SHORT ANSWER TYPE QUESTIONS

Question – 1. Can the displacement be greater than the distance travelled by an object? Give reason.

Question – 2. What does the speedometer of a car measure – average speed or instantaneous speed?

Question – 3. Can a body have a constant speed and still have a varying velocity?

Question – 4. A ball hits a wall with a velocity of 30 ms^{-1} and rebounds with the same velocity. What is the change in its velocity?

Question – 5. The position coordinate of a moving particle is given by $x = 6 + 18t + 9t^2$ (x in metres and t in seconds). What is its velocity and acceleration at $t = 2$ sec?

Question – 6. A ball is thrown straight up. What is its velocity and acceleration at the top?

Question – 7. Two balls of different masses (one lighter and other heavier) are thrown vertically upward with same initial speed. Which one will rise to the greater height?

SHORT ANSWER TYPE QUESTIONS

Question – 1. Can a body be at rest as well as in motion at the same time? Explain.

Question – 2. Define the following terms and write the SI units:

- a) Displacement, and b) Instantaneous velocity.

Question – 3. Distinguish between distance and displacement.

Question – 4. Distinguish between speed and velocity.

Question – 5. A ball is dropped from a building of height 45 m. Simultaneously another ball is thrown up with a speed 40 m/s. Calculate the relative speed of the balls as a function of time.

NUMERICALS FROM EXAMINATIONS

Question – 1. A body travels from A to B at 40 ms^{-1} and from B to A at 60 ms^{-1} . Calculate the average speed and average velocity.

Question – 2. A car moving along a straight highway with a speed of 72 kmh^{-1} is brought to a stop within a distance of 100 m. What is the retardation of the car and how long does it take for the car to stop?

Question – 3. The displacement (in metre) of a particle moving along x – axis is given by $x = 18t + 5t^2$. Calculate:

- i. the instantaneous velocity at $t = 2$ s,
ii. average velocity between $t = 2$ s and $t = 3$ s, and instantaneous acceleration.

Question – 4. The velocity of a particle is given by the equation, $v = 2t^2 + 5 \text{ cms}^{-1}$. Find

- i. the change in velocity of the particle during the time interval between $t_1 = 2$ s and $t_2 = 4$ s
ii. the average acceleration during the same interval and
iii. the instantaneous acceleration at $t_2 = 4$ s.

Question – 5. The acceleration of a particle in ms^{-2} is given by $a = 3t^2 + 2t + 2$, where time t is in second. If the particle starts with a velocity $v = 2 \text{ ms}^{-1}$ at $t = 0$, then find the velocity at the end of 2 s.

Question – 6. A ball thrown up is caught by the thrower after 4 s. How high did it go and with what velocity was it thrown? How far was it below the highest point 3 s after it was thrown?

Question – 7. Two balls are thrown simultaneously, A vertically upwards with a speed of 20 ms^{-1} from the ground, and B vertically downwards from a height of 40 m with the same speed and along the same line of motion. At what point do the two balls collide? Take $g = 9.8 \text{ ms}^{-2}$.

Question – 8. From the top of a tower 100 m in height a ball is dropped and at the same time another ball is projected vertically upwards from the ground with velocity of 25 ms^{-1} . Find when and where the two balls will meet. Take $g = 9.8 \text{ ms}^{-2}$.

Question – 9. A body starting from rest accelerates uniformly along a straight line at the rate of 10 m^{-2} for 5 seconds. It moves for 2 second with uniform velocity of 50 ms^{-1} . Then it retards uniformly and comes to rest in 3 s. Draw velocity – time graph of the body and find the total distance travelled by the body.

Question – 10. A juggler maintains four balls in motion, making each in turn rise to a height of 20 m from his hand. With what velocity does he project them and where will the other three balls be at the instant when the fourth one is just leaving the hand? Take $g = 9.8 \text{ ms}^{-2}$.

Question – 11. A car, starting from rest, accelerates at the rate f through a distance S , then continues at constant speed for some time t and then decelerates at the rate $f/2$ to come to rest. If the total distance is 5 s, then prove that $S = \frac{1}{2}ft^2$.

(CHEMISTRY)

SOLVE U T PAPER

SOLVE EXAMPLER OF

CH 1,2.

Revision of Numericals of Ch1&2 in your Class Register.

(BIOLOGY)

HOMEWORK

All Questions of NCERT and NCERT exemplar of chapter 1, 2, 3 and 4 to be solved in fair notebook.

PROJECT

Make a synopsis of the project for the annual practical exam. Topic of the project must be interdisciplinary.

(MATHEMATICS)

- * To revise the basic concepts and formulas used of PTI syllabus .(ch 1,2,3,)
- * To solve the questions given in miscellaneous exercise of each chapter with example again
- * To solve the same chapter with exemplar ncert
- * To solve the questions send in maths group per week

PROJECT

(ACCOUNTANCY)

ASSIGNMENT

1. Solve assignment given for
 - Introduction to accounting
 - Terms of accounting
 - Rules of debit and credit
 - Source documents and vouchers
2. Complete the Numericals and exercises given in NCERT book in accountancy register.

PROJECT

3. Prepare Project file
TOPIC – Collection of source documents

The objective of the Project work is

To Develop the competence of recognising and filling various source documents & also interpreting the information on the basis of given guidelines to present the desirable information in required format in the Project File .

Expected checklist:

- 1) Name of the student
Name of the topic
Board Roll Number—————

Teacher's signature _____

- 2) Acknowledgement
- 3) Certificate
- 4) Index
- 5) Project material

NOTE

- Use A 4 size sheet and ring file.
- Write on right side line project file sheets
- Paste or draw diagram on left side on coloured A4 size sheet
- Do not cover the file right now Cover it after getting it checked.
- Use your analytical skills as well as creativity.
- The project will be presented in a neat file and project will be hand written only.

(Prepare PROJECT as per the PPT sent to you on WhatsApp group)

(BUSINESS STUDIES)

1. Solve the assignments and work sheets properly in your business studies register.
2. Complete the notes and exercises marked and given in ncert book in business studies copy.
3. Learn all the mind maps and do all the case studies in business studies copy.
4. Learn and revise the minimum learning material given and shared with you.

PROJECT

Make a project file on the topic CHILD LABOUR LAWS WITH LATEST DATA CENSUS IN INDIA.

Make a project file on the topic- Changing role of the women in the past 25 years relating to joint families, nuclear families and women as a bread earner of the family.

Expected checklist:

1)Name of the student

Name of the topic

Roll Number_____

Teacher's signature _____

2) Acknowledgement

3) Certificate

4) Write on right side line project file sheets

5) Paste or draw diagram on left side on colored A4 size sheet

Important points to be consider in project file

Use A 4 size sheet and ring file.

Do not cover the file right now

Cover it after getting it checked Use your analytical skills as well as creativity.

The project will be presented in a neat folder and project will be hand written only.

The total length of the project file will be 15 to 20 pages

(ECONOMICS)

(i) Solve the assignments of the first 4 chapters of microeconomics properly in your Economics registers.

(ii) Prepare a Project on Consumer Awareness

Chose a product you want to launch in the market

Introduce the product in a presentable manner

Prepare a questionnaire to conduct a survey in your neighborhood (5 people)to check their awareness about similar products

Give the conclusion based on your analysis

The objectives of the Project work are to enable learners to:

1) probe deeper into the theoretical concepts learnt in classes XI and XII

2) Analyse and evaluate real world economic scenarios using theoretical constructs and arguments

3) Demonstrate the learning of economic theory

4) Follow up aspects of economics in which learners have interest

5) Develop the communication skills to argue logically

Expected checklist:

1)Name of the student

Name of the topic

Teacher's signature _____

2)Write on right side line project file sheets

3)Paste or draw diagram on left side on colored A4 size sheet

4)Write on A4 size file sheet having lines on right side pages

Use A 4 size sheet punch and tie with satin ribbon and keep in a transparent folder.

Write your name class and section on the folder

Use your analytical skills as well as creativity.

Too much decorations not required

(MARKETING)

1.Solve the assignments and work sheets properly in your register.

2.Complete the notes and exercises marked and given in CBSE book in marketing copy.

3.Learn all the mind maps and do all the case studies in marketing copy.

4. Learn and revise the minimum learning material given and shared with you.

PROJECT

Make a project file on the topic MARKETING .

Expected checklist:

- 1) Name of the student
Name of the topic
Roll Number _____
Teacher's signature _____
- 2) Acknowledgement
- 3) Certificate
- 4) Write on right side line project file sheets
- 5) Paste or draw diagram on left side on colored A4 size sheet
- 6) Last colored sheet for External Examiner signature

Important points to be consider in project file

Use A 4 size sheet and ring file.

Do not cover the file right now

Cover it after getting it checked Use your analytical skills as well as creativity.

The project will be presented in a neat folder and project will be hand written only.

The total length of the project file will be 30 to 35 pages

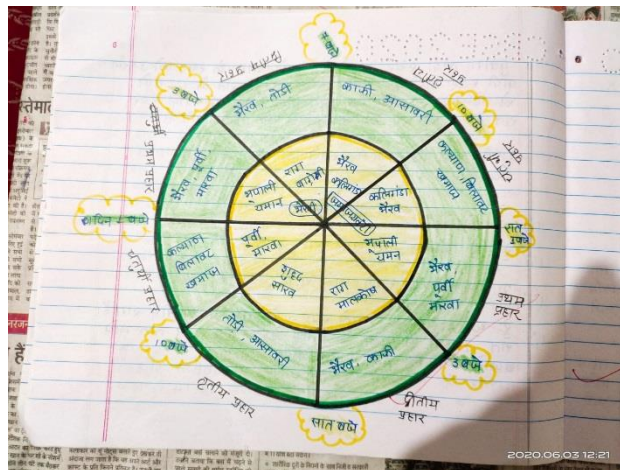
(HINDUSTANI MUSIC VOCAL)

* म्यूजिक प्रॉजेक्ट फाइल का डेकोरेटिड फ्रंट पेज।

* और फाइल में राग भैरव का पूर्ण परिचय तथा दूर्त खयाल, विलंबित खयाल, धमार गायन की स्वर लिपि लिखें।

* रूपक ताल तथा झपताल का पूर्ण परिचय तथा एकगुन , दुगुन लिखें।

* रागों के समय सिद्धांत का समय चक्र बनाएं अपनी स्वयं क्रिएटिविटी से।



(PAINTING)

- 15 sketches with pencil shading in your sketchbook and 2 nature scene composition with colours in half ivory sheet.

(POLITICAL SCIENCE)

Prepare a project according to CBSE guidelines.

Suggested Topics are:

1. Making of the Constitution.
2. Elections in India.
3. Working of the Indian Judiciary System.
4. Social Justice: Are ethics followed in Indian Politics
5. Human Rights Act and its gratification in India.
6. Political impact on Indian Legislation.

FINAL PRESENTATION/LAYOUT OF THE PROJECT

- Section 1: Political Science Project (Title of the Project)
Name: School: Year: Roll no.:
- Section 2: Certificate of authenticity (To be pasted)
Teacher's Signature
- Section 3: Index
- Section 4: Acknowledgement (Acknowledging the institution, the place visited and the person who has helped.)
- Section 5: Preface: Problem Statement/Objective of the project
- Section 6: Introduction: (Objective/learning outcomes of the project. Introduce the selected topic by giving some historical background)
- Section 7: Summary of the topic Activities done during the project
- Section 8: Observations and Analysis
- Section 9: Conclusion Summarized suggestions of findings/Future scope of study
- Section 10: Appendix Person consulted, Bibliography, Books, Websites, Films/ Television referred.
- Section 11: Values and Life skills learned through the project
- Section 12: Draft Thank you.

General Instructions:

1. Project should be individual only.
2. It should be a handwritten project on a A4 size sheet.
3. Project should be summed up in 25 – 30 pages.

4. It should be well researched based on facts and figures and pictorial.
 5. The project must have a Table of contents, Title/ Cover page, Acknowledgement, Bibliography, Analysis with headings and sub-headings.
 6. It must include relevant news clippings, facts and figures, pictures.
 7. You can plan a survey or an interview to support your research.
- Read and revise the chapters taught in the class

(INFORMATICS PRACTICES)

- Prepare a PowerPoint presentation on new innovation in the field of Artificial Intelligence

(TYPOGRAPHY & ITS COMPUTER APPLICATION)

- Prepare a PowerPoint presentation on new innovation in the field of Artificial Intelligence

(HISTORY)

1. Solve the PT1 Question Paper in your History register .
 2. From the two chapters done for PT1 do the following:-
 - a) Make 10 MCQs each from both the chapters
 - b) Make a question bank of
10 very short questions
 10 short questions
 10 long questions each from both the chapters

In your History register.
 - c) Do the **mapwork** from both chapters and paste them in your History register.
- 3) **Learn and revise** the minimum learning material given and shared with you.

PROJECT

Make a project file on any one topic out of the following –

1. WRITING AND CITY LIFE
2. THE THREE ORDERS

Expected checklist:

- 1) Name of the student
- Name of the topic
- Roll Number _____
- Teacher's signature _____
- Name of School
- Session
- 2) Acknowledgement
- 3) Certificate
- 4) Introduction
- 5) **CONTENTS**

Write on right side line project file sheets

- 6) Paste or draw diagram on left side on A4 size sheet
 - 7) **PASTE relevant pictures** on the left hand side on the blank pages (pages without lines)
- Important points to be considered in project file

Use A 4 size sheets.

Do not cover the file right now

Cover it after getting it checked Use your analytical skills as well as creativity.

The project should be presented in a neat folder and project will be **hand written** only.

The total **length** of the project file will be 15 to 20 pages

(PHYSICAL EDUCATION)

(PRACTICAL/ PROJECTS)

Physical Fitness Test :

Record File shall include:

Practical-1: Labelled diagram of 400 mt. Track and Field Computation.

Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease. (**Back Pain, Diabetes, Hypertension, Asthama, Obesity**)

Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills

Archery, Badminton, Boxing, Table Tennis, Judo, Skating, Swimming, Shooting, Taekwondo, Lawn Tennis, Gymnastics, Netball, Karte, Fencing,

Sports for CWSN (Children with Special Needs – Divyang)

CWSN (Children with Special Needs – Divyang): Bocce/ Boccia, Sitting Volleyball, Wheel Chair Basketball, Unified Badminton, Unified Basketball, Unified Football, Blind Cricket, Goalball, Floorball, Wheel Chair Races and Throws, or any other Sport/Game of choice.