



D.A.V. NANDRAJ PUBLIC SCHOOL

BARIATU, RANCHI



HOLIDAY HOMEWORK

SESSION 2026 – 27

CLASS: XII

ENGLISH

Q1. Part A:

Create a documentary that highlights the reality of slums in India. This can include real footage, images, or reenactments based on research. The documentary should bring forward the voices of slum residents and experts. The documentary should not be more than 7–10 mins.

Part B:

Using the documentary as a reference, make a project on “SLUMS OF INDIA” with the reference to the chapter “Lost Spring”. Students can add different data, newspaper reports, current status etc.

OR

Q2. Part A:

Create a short documentary or visual presentation exploring the theme of language as a tool of identity, culture, and resistance, using “The Last Lesson” as a starting point. Include visuals, symbolic reenactments, or interviews (e.g., people who’ve experienced language loss or revival). The documentary should not be more than 7–10 mins.

Part B:

Using the documentary as a reference, make a project on “LANGUAGE AS IDENTITY” with the reference to the chapter “The Last Lesson”. Highlight how language is connected to identity, patriotism, and cultural pride.

PHYSICS

Activities:

1. Assemble a household circuit using three bulbs, three switches, a fuse and a power source.
2. Assemble the components of a given electrical circuit.
3. Draw and correct the diagram of an open electrical circuit containing a battery, resistor/rheostat, key, ammeter and voltmeter.
4. Identify a diode, LED, resistor and capacitor from the given items.
5. Observe diffraction of light through a thin slit.
6. Make a lens combination with the given focal length using two lenses.

Note: Complete all the activities neatly and submit the practical notebook after the summer vacation.

CHEMISTRY

1. Investigatory Project Work

Complete your investigatory project work for the annual examination as per the topic allotted to you.

Note:

The investigatory project should be prepared in a stick file.

Maintain neatness and proper presentation.

2. Practical Work

Complete the following four practicals that have already been performed in the laboratory and record them properly in the prescribed practical file.

- (a)
To prepare M/20 solution of Mohr's salt and, using this solution, determine the molarity and strength of the given KMnO_4 solution.
- (b)
To prepare M/50 solution of oxalic acid and, using this solution, determine the molarity and strength of the given KMnO_4 solution.
- (c)
To analyse the given salt (S1) for acidic and basic radicals.
- (d)
To analyse the given salt (S2) for acidic and basic radicals.

MATHEMATICS

Relation and functions , Inverse Trigonometric Function, Matrices and determinant ,

Do 10 questions from each Chapter mentioned **above** , Previous year (2021 to 2026)

Total Questions : 50 in a separate copy.

BIOLOGY

List of Experiments

1. Prepare a temporary mount to observe pollen germination.
 2. Study the population density by quadrat method.
 3. Study the population frequency by quadrat method.
 4. Prepare a temporary mount of onion root tip to study mitosis.
 5. Isolate DNA from available plant material such as spinach, green peas, papaya etc.
- Study and observe the following (Spotting)
3. Flowers adapted to pollination by different agencies (wind, insects, birds).
 4. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
 5. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
 6. Meiosis in onion bud cell or grasshopper testis through permanent slides.
 7. T.S. of blastula through permanent slides (Mammalian).
 8. Controlled pollination - emasculation, tagging and bagging.
 9. Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.

Note - All experiments and spotting must be done in prescribed PRACTICAL FILE.

*INVESTIGATORY PROJECT IN STICK FILE

ACCOUNTANCY

1. P, Q and R sharing profits and losses in the ratio of 3:2:1, decided to share future profit and losses in the ratio of 4:3:2 w.e.f 1st april 2017. Following is an extract of their balance sheet as at 31st march 2017:

Liabilities	Rs.	Assets	Rs.
Workmen compensation		Reserve	60,000

Show the accounting treatment under the following Cases:

- if there is no other information.
 - if a claim on account of workmen's compensation is estimated at Rs. 24,000
 - if a claim on account of workmen's compensation is estimated at Rs. 60,000
 - if a claim on account of workmen's compensation is estimated at Rs. 75,000.
2. Write the provision in absence of partnership deed.
3. Explain fixed capital and fluctuating capital and differentiate.
4. A, B and C are partners in a firm sharing profits in the ratio of 3: 2:1. They earned profit of 30,000 during the year ended 31st March, 2021. Distribute profit among A, B and C if.
- C's share of profit is guaranteed to 6,000 minimum.
 - Minimum profit payable to C Amounting 6,000 is guaranteed by A.
 - Guaranteed minimum profit of 6,000 payable to C is guaranteed by B.
 - Any deficiency after making payment of guaranteed 6,000 will be borne by A and B in the ratio of 3:1.
5. Write differences between profit/loss a/c and profit/loss appropriation a/c.
6. X and Y contributed Rs.20, 000 and 10,000 respectively. they decide to allow interest on capital @ 6% p.a. Their respective share of profits is 2:3 and the business profit (before interest) for the year is Rs.1,500. Show the distribution of profits
- where there is no agreement except for interest on capitals and
 - where there is a clear agreement that the interest on capitals will be allowed even if it involves the firm in loss. Show your answer by preparing P/L Appropriation A/c.
7. The capital of A and B stood at Rs. 400,000 and Rs.300,000 respectively after necessary adjustments in respect of the drawings and the net profits for the year ended 31st March, 2012. It was ascertained that 5% p.a. interest on capital and drawings were not taken into account in arriving at the net profit. The drawings of the partners had been. For A Rs.12,000 drawn at the end of each quarter and for B Rs. 18,000 drawn at the end of each half year. The profits for the year as adjusted amounted to Rs. 2,00,000. The partners share profits in the ratio of 3:2.
8. Calculate Interest on drawings of the partner A, B AND C. where A with withdrew 500 at the end of each quarter. B withdrew 1000 at the beginning of each month and C withdrew 10000 during the year. Charge interest on capital @ 6% p.a.
9. K and P are partners in a firm sharing profits in 4:3 ratio. Their capitals on 1.4.2009 were 80,000 and 60,000 respectively. The partnership deed provide: -
- interest on capital and drawings will be allowed and charged @12% p.a. and 10% p.a. respectively.
 - K and P entitled to get monthly salary of 2,000 and 3,000 resp. the profits for year ended 31.03.2010 were 1,00,000. The drawings of K and P were Rs. 40,000 and Rs. 50,000 resp. interest

on

K's drawings was Rs. 2,000 and P's drawings Rs. 2,500.

Prepare Profit and loss appropriation account for the year ended 31.03.2010.

10. A, B and C were partners in a firm having capitals of Rs. 60,000, 60,000 and 80,000 respectively. Their current a/c balance were A; Rs. 10,000, B Rs. 5,000 and C 2,000(dr.). according to the deed the partners were entitled to interest on capital @5% p.a. C being the working partner was also entitled to a salary of Rs.6,000 p.a. the profits were to be divided as follows:

- a. The first 20,000 in proportion to their capital
- b. Next 30,000 in the ratio 5:3:2
- c. Remaining profit to be shared equally

The firm made a profit of Rs. 1,56,000 before charging any of the above items. Prepare the profit & loss appropriation a/c.

11. Pass the journal entries for the below adjustments while preparing p/l appropriation a/c

1. For transferring the profit into p/l appropriation a/c
2. For allowing interest on capital
3. For charging interest on drawing
4. For salary and commission
5. For profit or loss transfer to partners' capital

BUSINESS STUDIES

1. Explain the features of management that do not establish it as a profession.

2. State any 2 points that prove that the management is a multi-dimension

3. How does coordination integrate group efforts? State briefly.

After completing her Bachelors in Fashion Designing from a well-known college in France, Aditi has opened a boutique in a posh market in Kolkata. She has divided the work in smaller units and each employee is well trained to perform his/her task efficiently. The sales persons are allowed to close a deal with a buyer by giving a maximum of 5 percent discount, whereas the decision to give any further discount rests with Aditi as the final authority. In the earlier period of her business venture, employees were asked to put in extra hours of work. In return she had promised to give them a special incentive within a year. Therefore, when the business was doing well, she honor her commitment by giving bonus to her employees. She also instructed her employees that communication from top to bottom should follow the official lines of command. However, she tends to be more biased towards her female employees, when it comes to solve the conflicts among employees.

4. Aditi has divided the work in smaller units and each employee is well trained to perform his/ her task efficiently. Which principle of management is being followed here?

- | | |
|---|----------------------|
| (a) Centralization and Decentralization | (b) Division of work |
| (c) Discipline | (d) Order |

5. "The sales persons are allowed to close a deal with a buyer by giving a maximum of 5 percent discount, whereas the decision to give any further discount rests with Aditi as the final authority." Identify the principle of Management being followed here:

- | | |
|---|----------------------------------|
| (a) Centralization and Decentralisation | (b) Authority and Responsibility |
| (c) Unity of Command | (d) Unity of Direction |

6. "Therefore, when the business was doing well, she honoured her commitment by giving bonus to her employees." Which principle of management is being highlighted here?

- | | |
|-------------------------------|------------------------|
| (a) Discipline | (b) Order |
| (c) Remuneration to Employees | (d) Unity of Direction |

Section B: Conceptual Questions

Calculate Net National Product at Factor Cost (NNPFC) from the following:

- i. Gross Domestic Product at Market Price (GDPMP) = ₹10,000 crore
- ii. Net Factor Income from Abroad = ₹500 crore
- iii. Depreciation = ₹800 crore
- iv. Indirect Taxes = ₹600 crore
- v. Subsidies = ₹200 crore

Identify whether the following items are included in National Income. Give reasons:

- i. Old car sold by a person to another
- ii. Scholarship received by a student
- iii. Wages paid to workers by a firm
- iv. Rent-free accommodation to employees

List and explain three major features of the Indian economy on the eve of independence.

Describe the role of agriculture in pre-independence India. Mention any two major problems faced by this sector.

Section C: Project Work (Board)

1. The Economics of Renewable Energy in India
2. Rural vs Urban Employment Trends
3. The Impact of FDI in India
4. The Economics of Education in India
5. Impact of Macroeconomic Variables on Values of Currencies
6. The Role of Tourism in Economic Development
7. The Impact of Inflation on the Indian Economy
8. Import Substitution vs Export Promotion
9. The Role of Agriculture in Economic Development
10. The Effect of Government Policies on Small Businesses

(Any one topic of your choice)

Instructions for Project work: -

- Front Page (Title Page): Includes your project title, name, roll number, subject, teacher's name, and institution.
- Certificate / Declaration: A signed document confirming the work is your own and was completed under guidance.
- Acknowledgements: A section to thank teachers, parents, and friends who assisted you.
- Index (Table of Contents): A detailed list of all sections with their corresponding page numbers.
- Introduction: An overview of the topic, its significance, and background context.
- Aims and Objectives: Clearly defined goals of what the project intends to achieve.
- Main Content / Methodology:
 - Methodology: Describes the research or experimental methods used.
 - Observations/Findings: Raw data, charts, or facts collected during the study.
 - Analysis: Interpretation of the findings.
- Conclusion & Recommendations: Summary of results and suggestions for further study.
- Bibliography / References: A list of books, websites, and journals cited.

HISTORY

Project Work

1. Make a project file based on the topics with reference to chapters from NCERT book (already explained in the classroom). It should be hand written only.

Roll No. 1- to 3 - Chapter 1 – Bricks, Beads and Bones (The Indus Valley Civilisation- Archaeological Excavations)

Roll No. 4 to 6 - Chapter 2 - Kings, Farmers & Towns (The History & Legacy of Magadha and the Mauryan Empire)

Roll No. 7 to 9 – Chapter 3 – Kinship, Caste & Class (TheMahabharata – the Great Epic of India)

Roll No. 10 to 12 – Chapter 4 – Thinkers, Beliefs & Buildings (History of Buddhism & Jainism and study of Stupas)

Roll No. 13 to 15 – Chapter 7 – An Imperial Capital: Vijayanagara (The Architectural Culture of the Vijayanagara Empire)

Roll No. 16 to 18 – Chapter 10- Rebels and the Raj (Revolt of 1857 & its Representations)

Roll No. 19 & 20 – Chapter 11 – Mahatma Gandhi & the Nationalist Movement (Legacy of Gandhian Ideas).

Holiday Assignment

2. Read Chapters 1, 2 & 3 thoroughly and revise given notes and NCERT answers.
3. Learn and revise different terms & sources of these chapters.
4. Revise Map Based questions of Chapters 1 & 2.
5. Learn the following questions:
 - a. Examine the major contribution of R. E. M. Wheeler as Director General of Archaeological Survey of India.
 - b. “Historians have used a variety of sources to reconstruct the history of the Mauryan Empire and also explained the ways of their administration.” Justify the statement with suitable arguments.
 - c. How is the Mahabharata a dynamic text? Explain with examples.

GEOGRAPHY

Activity :

TOPIC : "URBAN WASTE & LAND DEGRADATION IN INDIAN CONTEXT."

(A) Prepare a project in a stick file on URBAN WASTE DISPOSAL & LAND DEGRADATION give details about their problems and discuss regarding their solutions, as well steps taken by the government of India to improve such a serious problem.

Materials Needed

1. Stick file
2. A4 size white sheet
3. Coloured markers/pencil
4. Pictures & poster

Tips : Students can use -

1. NCERT textbooks
2. News paper
3. Magazine
4. Internet and other sources of information.

(B) Practical Work : complete practice work in your geography practical file.

Chapter : 1

Topic : DATA - ITS SOURCES AND COMPILATION

POLITICAL SCIENCE

I. Project work will be made on the following topics:

- 1) NAM-1961 to present times
- 2) Division of Germany with special focus on the construction and dismantling of the Berlin Wall.
- 3) Disintegration of USSR with special focus on Gorbachev.
- 4) a-Relationship between India and Russia.
b- Relationship between India and Bangladesh.
- 5) ASEAN
- 6) EUROPEAN UNION
- 7) India's Nuclear Policy
- 8) UN Agencies- UNICEF, UNESCO, WHO
- 9) Partition of India-Theory behind it and its legacy.

II. Learn the following Question and Answer

1. What are the three challenges India faced after Independence?
2. What are the consequences of disintegration of Soviet Union?

COMPUTER SCIENCE

Write the program in your Computer Science Practical Copy.

1. Write a program in python to check a number whether it is Prime or not.
2. Write a program to input a character and to print whether a given character is an alphabet, digit or any other character.
3. Write a program to insert an element in the list.
4. Write a program to generate random numbers between 1 to 6 and check whether a user won a lottery or not.
5. Write a program to count the number of vowels present in a text file.
6. Write a program to write those lines which have the character 'p' from one text file to another text file.
7. Write a program to count number of words in a Text file.
8. Write a program to insert n records in a binary file student.dat.
9. Write a program to read records from binary file student.dat.
10. Write a program to implement search operation in a binary file.
11. Write a program to update a record stored in binary file student.dat.
12. Write a program to delete a record from binary file.
13. Write a program to create a CSV file and read it
14. Write a program to count number of records from CSV file.
15. Write a program to save some user id and passwords in a csv file. Ask user to enter a user id and password, if combination matches it should print 'welcome' other wise print 'data mismatch'.

HINDI

परियोजना कार्य

पहलवान का ढोलक पाठ के आलोक में ' भारतीय खेलों की दशा और दिशा ' इस विषय पर एक परियोजना कार्य बनाएं, जिसमें प्राचीन भारत में खेल , उसकी आवश्यकता और कैसे भारतीय खेलों के बदले हमने विदेशी खेलों को अपना लिया उसका वर्णन हो । साथ ही खेलों का महत्त्व और इन डोर खेलों से अच्छा आउटडोर खेल है यह भी बताएं। सीबीएसई बच्चों को खेलों के प्रति कैसे जागरूक कर रही है इसका भी वर्णन हो।

निर्देश

प्रायोगिक कापी में (फाइल लें, कलर या डिजाइन पेज लें। फोटो बायीं ओर लगाएं और दाहिने पेज पर लिखें । लिखावट , साफ , स्पष्ट हो । गलतियां कम से कम हो । पहले रफ करें)

1. मुख्य पेज पर स्कूल का नाम , परियोजना विषय का नाम , सत्र, छात्र का नाम, वर्ग, क्रमांक - स्कूल का , बोर्ड क्रमांक खाली रहने दें । इत्यादि साफ - सुथरे अक्षरों में लिखें ।
2. प्रमाण पत्र
3. आभार ज्ञापन

4. विषय सूची
5. भूमिका
6. विषय स्पष्टीकरण -
7. अध्ययन का परिणाम
8. संदर्भ ग्रंथ

लगभग 18 से 20 पेज में आकर्षक ढंग से वर्णन हो ।
डीजाइन पेपर भी प्रयोग में ला सकते हैं।

SANSKRIT

परियोजना कार्य-

विषय - उपनिषदों का परिचय देते हुए तैत्तिरीय उपनिषद का वर्णन

लिखने के बिंदु

1. उपनिषद क्या हैं –

उपनिषदों का अर्थ, उनका महत्व और वे किस साहित्य का भाग हैं (वेद का अंतिम भाग)।

2. उपनिषदों का संक्षिप्त परिचय –

प्रमुख उपनिषदों के नाम और उनका महत्व।

3. तैत्तिरीय उपनिषद का परिचय –

यह किस वेद से संबंधित है – यजुर्वेद।

4. तैत्तिरीय उपनिषद के मुख्य भाग -

शिक्षावल्ली

ब्रह्मानन्दवल्ली

भृगुवल्ली

5. तैत्तिरीय उपनिषद की मुख्य शिक्षाएँ –

जैसे – सत्य बोलना, धर्म का पालन करना, गुरु का सम्मान करना।

6. कोई एक मंत्र लिखकर उसका अर्थ लिखें।

7. निष्कर्ष –

आधुनिक जीवन में उपनिषदों का महत्व।

विशेष निर्देश -

प्रायोगिक कापी में (फाइल लें, कलर या डिजाइन पेज लें। फोटो बायीं ओर लगाएं और दाहिने पेज पर लिखें । लिखावट ,साफ , स्पष्ट हो । गलतियां कम से कम हो ।पहले रफ करें)

1. मुख्य पेज पर स्कूल का नाम , परियोजना विषय का नाम ,सत्र, छात्र का नाम,वर्ग, क्रमांक - स्कूल का , बोर्ड क्रमांक खाली रहने

दें। इत्यादि साफ - सुथरे अक्षरों में लिखें।

2. प्रमाण पत्र
3. आभार ज्ञापन
4. विषय सूची
5. भूमिका
6. विषय स्पष्टीकरण -
7. अध्ययन का परिणाम
8. संदर्भ ग्रंथ

लगभग 18 से 20 पेज में आकर्षक ढंग से वर्णन हो।

डीजाइन पेपर भी प्रयोग में ला सकते हैं।

PHYSICAL EDUCATION

1. Briefly define the functions of sports event management.
2. Define the following terms
(i) Bye (ii) seeding (iii) Fixture (iv) planning.
3. Explain cyclic method with examples of fixtures when 5 teams participating.
4. League tournament is a better way to judge the best team of the tournament. Comment.
5. Define intramural and extra murals . Write it's objectives.

MUSIC

Practice Raga Bhairav

Write the complete introduction of Raga Bhairav & one chota khyal notation with 2 Tana (4 matra)

Draw a structure of Tanpura and describe it's parts on A4 size paper.

Write the method of Tanpura tuning.

PAINTING

To Make

1. Make a notes on mughal miniature painting
- 2..Village scene
3. Still Life
4. Regional painting

To Use :

- 1.A3 IVORY Sheet
2. Shading Pencil/ Black Pen
- 3.Oil Pastels / Poster / Water Colours

ARYA GYAN PRACHAR SAMITI