

<u>SHIKSHA NIKETAN HR. SEC. SCHOOL</u> JEEVAN NAGAR, JAMMU

SESSION: 2025-26

CLASS: 12TH



<u>ENGLISH</u>

Q1. Read Three newspaper articles from the Hindu or the Indian express.

Write the following from the each

- a) Headlines
- **b)** 5 key Points
- c) Vocabulary(List five new words and their meaning)
- Q2. Write a documentary of life history of great leader Nelson Mandela. Write his role played in shaping South Africa.
- Q3. Comparing two Poems (Keeping Quiet and A Thing of beauty) from your Text book. Write a Comparative analysis covering Themes, Tone, Literary devices and about the poet.

Q4. Read Skills

- Read a Novel
- To kill a mocking bird by Harper Lee
- To Alchemist by Paulo Coelho
- Animal farm by George Orwell

Q5. Write a speech on the topic new criminal Laws Introduced by Govt. of India.

Q6. Make a card on

- a) Christmas Day
- b) Teacher's Da



PHYSICS: ELECTROSTATICS

- 1. Explain the Law that governs the force between electric charges?
- 2. Derive the force between two electrons separated by distance r.
- 3. What is the force between two charged particles, if the distance between the particles is halved?
- 4. Two charges are placed at a distance apart. If a glass slab is placed between them then force between the Will become?
- 5. The ratio of the forces between two small spheres with constant charges (i) in air (ii) in a medium of Dielectric constant K is respectively will be?
- **6.** In M.K.S. system of unit ε_0 is?
- **7.** A charge *q* is placed at the centre of the joining the equal charges Q. The system of three charges will be in Equilibrium if *q* is equal to ?
- 8. Four charges are arranged at the corners of a square ABCD as shown in Fig. The force on the charge kept at the centre O is



- **9.** Suppose the charge of a proton and an electron differ slightly. One of them is –e and the other is (e+ Δe). If the net of electrostatic force and gravitational force between two hydrogen atoms placed at a distance d (much greater then atomic size) apart is zero, then Δe is of the order [Given mass of hydrogen, m_h = 1.37×-10^{-27} kg] will be?
- 10. A ball with charge 50e is placed at the centre of a hollow spherical shell has a net charge of 50e.What is the charge on the shell's outer surface?
- 11. The least possible charge exist in Free State is?

12. Two pith balls carrying equal charge are suspended from a common point by strings of equal length, the equilibrium separation between them is *r*. Now, the strings are rigidly clamped at half the height. What will be the equilibrium separation between the balls?



- **13.** A particle of mass 2×10^{-3} kg, charge 4×10^{-3} C enters in an electric field of 5 V/m, then its kinetic energy after 10 s will be?
- 14. Charge Q is distributed over a ring, Derive the force on charge q placed at the centre of the ring .
- **15.** Two charge are placed in air at some distance apart. When a metallic sheet is placed between them, What will be the new electrostatic force between them
- **16.** Two point chargers +4q and +q are kept at distance r apart. At what distance a charge +Q must be placed from charge +q so that the charge +Q remains in equilibrium?
- 17. A certain charge Q is divided at first into two parts q and Q-q. Later on the charges are placed at certain distance apart. What will be the condition for the force of attraction between the two charges to be maximum?
- **18.** Two positive ions, each carrying a charge q, are separated by a distance d. If F is the force of repulsion between the ions, what will be the number of electrons missing from each ion will be (e being the charge on an electron)
- 19. The Electric field due to uniformly charged conducting sheet is given by ?
- **20.** Four dipoles each of magnitudes of charges \pm e are placed inside a sphere. The total flux of E coming out of the sphere will be?
- **21.** A spherical conductor of radius 10cm has a charge of 3.2×10^{-7} C distributed uniformly. What is the magnitude of electric field at a point 15cm from the centre of the sphere? $\left(\frac{1}{4\pi\varepsilon_0} = 9 \times 10^9 \text{NM}^2/\text{C}^2\right)$
- **22.** Two identical Two identical metallic spheres A and B when placed at certain distance in air repel each other with a force of F. Another identical uncharged sphere C is first placed in contact with A and then in contact with B and finally placed at midpoint between spheres A and B. What will be the force experienced by sphere C?
- **23.** Two identical positive charges Q each are fixed at a distance of '2a' apart from each other. Another point charge q_0 with mass 'm' is placed at midpoint between two fixed charges. For a small displacement along the line joining the fixed charges, the charge q_0 , executes SHM. Calculate the time period of oscillation of charge q_0 ,
- 24. A charge q is located at the Centre of a cube. The electric flux through any face will be?
- **25.** A thin spherical shell of radius R has charge spread uniformly over its surface. Draw the graph showing Variation of electric field with respect to distance (r), where is the distance from the Centre of the shell
- **26.** A metallic solid sphere is placed in a uniform electric field. The lines of force follow the path(s) shown in figure is?



- **27.** A charged oil drop is suspended in a uniform field of 3×10^4 V/m so that is neither falls nor rises. What will be the charge on the drop ? (take the mass of the charge = 9.9×10^{-15} kg and g = 10m/s²)
- **28.** A thin semi-circular ring of radius r has a positive charge q distributed uniformly over it. The net field at the Centre O is?



29. Four closed surfaces and corresponding charges distributions are shown below. What will be the respective electric fluxes through the surface be ϕ_1 , ϕ_2 , ϕ_3 and ϕ_4 ?









30. A pendulum bob of mass 30.7×10^{-6} kg and carrying a charge 2×10^{-8} C is at rest in a horizontal uniform electric field of 20000 V/m. What will be the tension in the thread of the pendulum? $(g = 9.8 m/s^2)$



- Q1. Calculate the mass percentage of aspirin (C9 H8O4) in acetonitrile (CH3CN) when 6.5 of C9H8O4 dissolved in 450g of CH3CN.
- **Q2**. 0.6 ml of acetic acid (CH₃COOH) having density 1.06 gml⁻¹ is dissolved in 1lt of water. The depression in freezing points observed for this strength of acid was 0.0205k. Calculate the Van't Hoff factor and the dissociation constant of acid ($k_f = 1.86k \text{ kg mol}^{-1}$).
- Q3. Calculate the mass percentage of benzene (C6H6) and carbon tetrachloride (CCl4) if 22g of Benzene is dissolved in 122g of CCl4?
- **Q4.** Give an example of a solid solution in which the solute is a gas?
- **Q5**. Determine the Osmotic pressure of a solution prepared by dissolving 25mg of K_2SO_4 in 2 lt at 25°c, assuming that it is completely dissociated
- **Q6.** Calculate the c.m.f of the following cell:

 $Zn(s)|Zn^{2+}(0.1M)||(0.01M)Ag^{+}|Ag(s)|$

- Given $E^{\circ} Zn^{2+}/Zn = -0.76V$ Log 10 =1 $E^{\circ} Ag^{+}/Ag = 0.80V$
- **Q7.** Write the Nernst Equation for the cell reaction in the Daniel cell. How will the E cell be effected when concentration of Zn²⁺
- **Q8.** How many faradays of electricity are required to deposit one mole of? i) Na and

ii) Al?

- Q9. Write the products of electrolysis of aqueous solution of Nacl with Platinum electrodes?
- Q10. Why does the conductivity of a solution decrease with dilution?
- **Q11.** Draw the chart of d+f block elements on A-4 sheet
- Q12. Write down the electrochemical series on A-4 sheet?

MATHEMATICS

- **Q1.** Draw the graph of $\sin^{-1} x$ and also write its domain and range.
- **Q2.** Draw the graph of $\cos^{-1} x$ and also write its domain and range.
- **Q3.** Draw the graph of $\operatorname{Tan}^{-1} x$ and also write its domain and range.
- **Q4.** Find the principal value of Sin⁻¹ (Sin 10)

Q5. Prove that
$$\sin^{-1} x + \cos^{-1} x = \frac{\pi}{2}$$

Q6. Prove that Tan⁻¹ $x + \cos^{-1} x = \pi/2$

Q7. Prove that Tan⁻¹
$$x$$
 + Tan⁻¹ y = Tan⁻¹ $(\frac{x+y}{1-y})$

Q8. Prove that Sec⁻¹ x + Cosec⁻¹ = $\frac{\pi}{2}$

Q9. Prove that Addition of the two matrices in commutative

Q10. Prove that $(A-B)^{-1} = B^{-1} A^{-1}$ if A and B are the matrices of the same order.

- **Q11.** Prove that Inverse of the matric is unique
- Q12. Prove that every square matric can be expressible as the sum of symmetric and skew Symmetric Matrix.

- **Q13.** Prove that A (Adj A) = (Adj A) A = |A|I
- **Q14.** Prove that $|Adj A| = |A|^{n-1}$
- **Q15.** Give an example of a skew symmetric matrix of order 3×3.

BIOLOGY

> Chapter.1 Sexual Reproduction in Flowering Plants (10 Questions)

Q1. In an angiosperm, how many nuclei are involved in double fertilization?

Q2. The functional megaspore in angiosperms develops into:

Q3. The transfer of pollen grains from anther to stigma of another flower of the same plant is called:

Q4. Name the post-fertilization event in a flowering plant?

Q5. Which type of pollination guarantees genetic variation in offspring?

Q6. In a mature embryo sac, how many cells and nuclei are present?

Q7. The entry of pollen tube through the micropyle is known as:

Q8. Endosperm is formed as a result of:

Q9. Name the devices to prevent autogamy in plants?

Q10. Persistent nucellus in a seed forms:

Human Reproduction (12 Questions)

Q1. Acrosome of human sperm contains enzymes that help in:

Q2. Which part of the sperm provides energy for its movement?

Q3. The hormone responsible for ovulation is:

Q4. Fertilization in humans usually occurs in:

Q5. Write the correct sequence in the development of a mature female gamete?

Q6. The Leydig cells are found in:

Q7. Name the structures is formed after the release of the ovum?

Q8. The major function of progesterone in the menstrual cycle is:

Q9. In a female, meiosis II is completed.

Q10. The inner lining of the uterus is called:

Q11. The umbilical cord connects:

Q12. The hormone detected in pregnancy tests is:

Reproductive Health (8 Questions)

Q13. Name a hormonal contraceptive?

Q14. Which STD is caused by a virus?

Q15. Which contraceptive method works by blocking the fallopian tubes?

- Q16. Name the method which is not a feature of barrier methods of contraception?
- Q17. MTP is legally allowed up to how many weeks of pregnancy (in India)?
- Q18. Which technique is used for infertile couples where the male has a very low sperm count?
- Q19. Name the surgical method of contraception for males?
- Q20. Which contraceptive method prevents implantation of the embryo?

<u>evs</u>

- **Q1**. Microbes play a dual role when used for Sewage treatment as they not only help to retrieve usable water but also generate fuel. Write in points how this happens?
- **Q2.** What are flocs? State their role in effluent treatment and their ultimate fate in sewage treatment tank.
- Q3. Why are people living in West Bengal prove to black foot disease? What is blue-baby syndrome? Explain.
- Q4. Why are cloudy, dusty and humid nights warmer than the clear, dust-free and dry night?
- Q5. Why is Ozone hole formed over Antarctica?

- **Q6.** What is photochemical smog? How does smog affect the biological world?
- Q7. What is hybrid vehicle technology? Explain its advantages with a suitable example.
- **Q8.** Mention the major cause of Air Pollution in cities. Write any three ways by which it can be reduced.
- **Q9.** CFCs are widely used as refrigerants. Then why it is suggested to reduce its emission as for as possible? Explain.
- **Q10.** Expand BOD. What is the relation between:
 - a) BOD and Purity of water
 - b) BOD and Polluted water
- **Q11.** How do algal blooms affect the life in water bodies?
- **Q12.** Give advantages of CNG over petrol or diesel.
- Q13. Sound of what intensity is harmful for ears?
- Q14. Differentiate between Bio magnification and Eutrophication. (Any three)
- **Q15.** What are the source and effects of the following?
 - a) Co **b)** Co₂ **c)** CFC **d)** So₂ **e)** No₂
- Project work :- (Do any one) ("visit and Capture photos")
 - a) Visit to a nearby lake/ River and preparation of a field report.
 - b) Collection of date regarding different types of solid waste generated in your locality.
 - c) Compilation of names of different endangered and endemic plant and animal's species of your locality.

PHYSICAL EDUCATION

Practical Activities:

- A. Fitness Testing: Conduct tests like BMI measurement Pushups, Sit-ups, Flexibility test and Cardiovascular endurance tests.
- B. Asanas: Learn and practice five asanas for concentration with pictorial representation
- C. Graphical Representation: Graphically represent the BMI measurements of family members.
- Research and Reporting:
- A. Sports Analysis: Research and present a detailed report on a specific sport including its history rules and benefits.
- B. Fitness program Analysis: Study and analyze the effectiveness of a specific fitness program.
- C. Current affairs review: Research and Summarize news articles related to sports or health.
- Creative Assignments:
- A. Chart Paper: Create a chart showing how you can improve the physical fitness and wellness of your family members.
- B. Poster Creation: Develop a Poster promoting healthy life styles or a specific sport.
- Case Studies:
- **A. Real world Scenarios:** Analyze real world scenarios related to physical activity, nutrition or sports such as the impact of a specific injury or the importance of proper nutrition for athletes.

COMPUTER SCIENCE

- Q1. State and explain commutative law with circuit diagram and truth table
- Q2. Wap in python to use the concept of function
- Q3. Explain the types of python functions
- Q4. How we can declare, define and call function with Syntax
- Q5. Differentiate between Positional Arguments and Arbitrary Arguments
- Q6. What is a default Argument with Syntax?

Q7. Draw the circuit diagram and truth table of the following expression:

- a) ABCD⁻ + ABCD + ABCD + ABCD + ABCD
- b) M + N + O + MNO + MNOP

Q8. To generate the following series using while loop and for loop

- a) 01 01 01 01 01 = 100 terms
- b) 1-11-11-11-1= 100 terms
- Q9. Generate fibonacci series
 - a) 2,2,4,8,3,2 = 100 terms

Q10. Program of Palindrome and Armstrong no

ACCOUNTANCY

FUNDAMENTAL OF PARTNERSHIP

- Q1. Define Partnership?
- **Q2.** Explain importance of partnership agreement.
- Q3. Calculate interest on Drawing of Siddhant @10% p.a for the year ended 31st March 2021, if he Withdrew ₹ 60000 in the Beginning of Each Quarter
- **Q4.** X, Y & Z are partner in a form Sharing P/L in the Ratio of 6:4:1. X guaranteed a profit of ₹ 15000 to Z. the net profit for the year ending 31st March 2019 was ₹ 99000. What will be X's share in the profit of the firm.
- Q5. Explain Rules to be Applicable in case Partnership deed is silent.
- **Q6.** Explain the various methods of evaluation of goodwill of the firm
- **Q7** explain the various rule of debit and credit with help of suitable example
- Q8. Case Based Questing

Read the following Case study and Answer the given Questions.

Seema Tanuja and Arpit was Partner in a firm trading in garments. They Were Shaving Profit in the Ratio of 5:3:2 = their fixed Capitals On 1st April 2020 were ₹ 300000, ₹ 400000 and ₹ 800000 respectively. After the Flood in uttarakhand all partner decided to help the Flood Victims Personally for this Seema withdraw ₹ 200000 from her Capital on 1st Jan 2021 and provided a Mobile Medical Van in the Flood Affected area. The Partnership deed provides for Charging Interest on drawing @ 6% p.a. interest on Capital was Allowed @10%

- 1. What will be Interest on Seema's Capital?
- 2. What will be Interest on Tanuja's drawings?
- Q9. Distinguish between fixed Capital and fluctuatiy capital
- Q10. State any four Essential feature of Partnership
- Q11. Lata and Mamta are Partner with Capital of ₹ 300000 and ₹ 200000 respectively sharing profit as Lata 70%. and Mamta 30%. During the year ended 31st march 2021 they earned a profit of ₹ 226440 before allowing interest on partner loan. The terms of partnership are as Follows
 - a) Interest on Capital is to be allowed @ 7%.
 - b) Lata to get a salary of ₹ 2500P.M
 - c) Interest on Mamta's Loan Account of ₹ 80000 for the whole year
 - d) Interest on drawing of Partner @ 8% p.a. Drawing being Lata ₹ 36000 and Mamta ₹ 48000 respectively during the year.
 - e) $\frac{1}{10}$ Of the distributable profit should be transferred to general reserve. Show the distribution of Profits among the partners.

CHAPTER (2) GOODWILL

Q12. What do you mean by goodwill? Explain the types of goodwill.

Q13. What do you mean by normal profit and super profit?

- Q14. Explain the various types of intangible Assets.
- **Q15.** Explain the various methods of valuation of goodwill.
- Q16. What is Goodwill? What are the factors that affect the value of Goodwill?
- Q17. How does Nature of Business affect the value of goodwill of the Firm?
- **Q18.** A earn ₹ 120000 as its annual profit the rates of normal profit being 10%. The Asset of the firm Amounts to ₹ 1440000 and liability to ₹ 480000. Find out the value of Goodwill
- **Q19.** From the following particular calculate value of goodwill of a firm by applying capitalization of Average Profit Method.
 - a) Profit of last fine consecutive year ending 31st March are:-
 - 2021 = ₹ 54000
 - 2020 = ₹ 42000
 - 2019 = ₹ 39000
 - 2018 = ₹ 67000
 - 2017 = ₹ 59000
 - **b)** Capitalization Rate 20%
 - c) Net Asset of the Firm ₹ 200000

CHAPTER (3) CHANGE IN PROFIT SHARING RATIO

- Q20. What do you mean by Revaluation account?
- Q21. Differentiate between gaining ratio and sacrificing ratio?
- Q22. Draw an Imaginary Revaluation account.
- **Q23.** X, Y & Z are sharing Profit and losses in the ratio of 5:3:2. With effect from 1st April 2019 they Decided to share profit and losses equally calculate gaining ratio and sacrificing ratio.

<u>ENTREPRENEURSHIP</u>

BUSINESS PLAN – PROJECT FILE

Outline for the Business Plan Presentation

- 1. Your business idea (Product service)
- 2. Name of your business, its logo, tagline
- 3. Are there similar products or service in the market? (Competition Analysis)
- 4. Your unique selling proposition.
- 5. Your Marketing Plan
- 6. Market Research. (Talk about at least 3 competitions if it is an existing product or service)
- 7. If new, analyze the demand for the product.
- 8. Your target Audience?
- **9.** Your Promotion ideas.
- **10.** Eco- friendly packaging ideas.
- 11. Financial projection.
- Important Information:

Prepare a project file on the assign topic (10-12) pages keeping the following factors in mind: Introduction, detail of product or service, pros/cons, effect, students' view/ perception/opinion and learning from the work

Question Answers:

Q1. What are the steps that are involved in setting up of an enterprise?

- Q2. Procedure of attaining the license in India for setting up an enterprise
- Q3. What are the techniques of 'demand forecasting' of a product service?
- Q4. What do you mean by feasibility report? Write its elements.
- Q5. Describe briefly the factors of 'Macro Environment' also compare it with today's scenario.

BUSINESS STUDIES

- Q1. The students are required to visit any one of the following
 - a) An Industrial unit
 - **b)** A fast food outlet
 - c) A departmental store.

They are required to observe the application of general principles of management advocated by Henry Fayol or F.W. Taylor

- Q2. Is Administration and Management are the same things. Give reasons in support of your answer.
- Q3. Discuss the importance of Management in running of a Modern business.
- **Q4.** Delineate the classification of Management functions. Elaborate each one of the following with the help of flowcharts.
- $\ensuremath{\textbf{Q5.}}$ State and explain the techniques of effective coordination.
- Q6. Explain briefly about Gang plank with the help of a diagram.
- Q7. "Scientific Management aims to develop each man to his greater efficiency". Explain.
- **Q8.** Give the objectives of New Economic policy. What are the main changes made in economic policy since 1991?
- Q9. Describe the features of Demonetisation and what was its impact on India. Explain briefly.
- **Q10.** "Failing to plan is planning to fail". Comment in your own words.
- Q11. "Planning is vital in managerial process". Explain.
- **Q13.** How do we measure the degree of decentralization & also make points of comparison between Delegation and Decentralisation.
- Q14. Why is Informal organization needed in a business? Explain.

BUSINESS MATHS

- Q1. Define matrices and examples of matrices
- Q2. Define symmetric and show symmetric matric. Give an example of each.
- **Q3.** Prove that every square matric can be expressible as the sum of symmetric and show symmetric Matric.
- **Q4.** Prove that $(AB)^{-1} = B^{-1}A^{-1}$ for which A and B are square matric
- **Q5.** Prove that A (Adj A) = (Adj A) A = |A|I
- Q6. Give an example of orthogonal matric.
- **Q7.** Define determinants and give an example of Determinants.
- **Q8.** Prove that area of the Δ whose vertices are A (a, o), B (o, b), C(k, n) is $\frac{a}{n} + \frac{b}{k} = 1$
- Q9. Define minor and cofactor. Give an example of each.
- Q10. Define adjoint of the matrices. Give an example of the matrices
- **Q11.** Define transpose of the matrices and give example of each.
- Q12. Define Continuity. Give an example of continuous function.
- Q13. Define differentiability .give an example of differentiable function
- Q14. Define Implicit function. Give an example
- **Q15.** Define Explicit function. Give an example.

ECONOMICS

- Q1. Differentiate between change in quantity demanded and change in demand?
- Q2. Explain the factors affecting elasticity of demand.
- Q3. Explain in detail all the methods for calculating price elasticity of demand.
- Q4. Differentiate between perfect market and imperfect market.
- Q5. Explain law of supply and its determinants.
- Q6. Briefly discuss all the causes of forward and backward shifts in demand and supply.

- **Q7.** What is PPC? Give its properties.
- Q8. What is perfect competition? Explain its features.
- Q9. What is market equilibrium? Give the price determination under perfect competition.
- **Q10.** Differentiate between monopoly and monopolistic competition.
- Q11. Make a project report of a company showing the Total Revenue. Total Cost and determine its Profit.
- Q12. Make a file to elaborate different government schemes implemented for the eradication of Poverty.

<u>SOCIOLOGY</u>

PROJECT IDEAS:

Project based Assignments:

- **1. Globalization:** Analyze how globalization impacts individuals communities and nations Considering local industries and foreign companies
- Social Media: Conduct a survey on social usage its impact on mental health and its role in political Participation
- 3. Social Trends: Examine current social trends and write their impact on society.
- **4. Family Dynamics:** Study changing roles of women in joint and nuclear families; write their impact on family economics and trends in consumer goods.
- **5. Child Labour:** Research child labour laws, their implementation and also write their Consequences.
- 6. Therapeutic Approach: Explore different therapeutic approaches for mental health and create an art piece for art therapy.
- 7. Objective Questions: solve a set of objective type questions from the textbook chapters.
- 8. Art Integration: Create an art piece to facilitate art therapy for a mental disorder. Tips for completing your Holiday Home- work
- Plan and Organize: Create a schedule to manage the workload effectively and ensure timely completion.
- Prioritize: Focus on the most important tasks and assignments first
- Research and Collect information: Use reliable sources for research and collect necessary data for projects and case studies.
- Seek help: Don't hesitate to ask for help from teachers, classmates or family members, if needed.

PSYCHOLOGY

> Chapter covered

- Q1. Variation in Psychological Attributes
- Q2. Self and Personality
- Q3. Meeting life challenges
- Q4. Read and make key points of Chapter Psychological Disorder

Assignment Tasks:

- Prepare MCQs of 25 each chapter
- Prepare key terms of 1 to 4 chapter with short answer question
- Personality Prolife Project:
 - Interview a family member or friend using basic trade question. Example (are you social)
 - Use this to analysis their personality types Introvert and Extrovert. Write a profile summary 150 to 200 words.
- Coping skills activity:
 - Write about real stressful experience you have faced(exam pressure , competition extra)

- Explain how you coped with it
- Creative corner:
 - Prepare a project file based on jkbose syllabus (Psychological Disorder)

POL SCIENCE

- Q1. Make a detailed note on all the chairman of USSR and their achievement
- Q2. Analyses the growth of India as a growing global power in terms of politics, defense & economy specially focusing on BJP is rule
- Q3. How BJP emerged as a dominant party in state & Centre in recent decades. Give example from state & Centre election between 2000 2025
- Q4. How Israel is a global power in terms of technology & defense. How it help in the progress of India. Give a major contribution of one P.M from Israel
- Q5. List the president of India from 1951 to 2025. Write down their achievement
- Q6. Write a state note on state Re-organisation commission / 14 states & 7 Union-territories. How & why they formed

EDUCATION

- Q1. What are co-curricular activities? How do they help in holistic development of the child?
- **Q2.** Morning Assembly has number of benefits for overall social and moral development of students. Justify the statement.
- Q3. Elaborate the 5+3+3+4 formula in NPE 2020 Educational System
- Q4. "A library is beneficial for both for the old and young". Justify the statement.
- Q5. Differentiate between teaching Methodology of John Dewey and Gandhiji.
- **Q6.** Explain the role of print media for population awareness.
- **Q7.** Why schools should organise various literary activities like debate, quiz programmes and seminars.
- Q8. Write short notes on the following:
 - a) When did J & K university came into existence
 - b) Who founded Anjuman I Nustratul Islam and when?
 - c) Was there any university set up before independence of our country?
 - d) What type of Act was passed by Maharaja Hari Singh?
 - e) When and where was John Dewey born?
- **Q9.** Differentiate between subject-centered curriculum, activity centered curriculum and child centered curriculum.
- **Q10.** Explain the causes of population explosion.
- **Q11.** Read the Autobiography 'My Experiment with Truth' of M.K Gandhi and note down important analysis based on reading the Autobiography
 - > The summer holiday homework must be done in a separate assignment notebook.

<u>GEOGRAPHY</u>

General Instructions:

Do the work on A4 sheets or in a project file.

Use maps, diagrams, and pictures wherever possible. Neatness and presentation will be considered for grading.

Section A: Project Work (Compulsory as per Jkbose Guidelines)

Prepare a Geography Project File on any one topic (8-10 pages): Suggested Topics:

- 1. Land Degradation and Conservation Measures
- 2. Water Scarcity and Rainwater Harvesting
- 3. Sustainable Development

- 4. Population Growth and Resource Utilisation
- 5. Migration Causes and Consequences Project Must Include: Introduction

Case Studies/Examples

Maps/Charts/Graphs

Conclusion

Bibliography

Section B: Map Work

From India - People and Economy: Mark the following on the Political Map of India:

- 1. Major soil types and regions.
- 2. Leading rice and wheat producing states.
- 3. Major ports: Mumbai, Chennai, Kolkata, Kandla, Vishakhapatnam.
- 4. Major rivers: Ganga, Yamuna, Brahmaputra, Godavari, Narmada.
- 5. Areas of high population density.

Section C: Practical Work

- 1. Interpret any one topographical map sheet (available online or from your lab manual).
- 2. Draw a thematic map showing:
- Literacy rate in India Urban population distribution (use pie/bar diagrams)

Section D: Creative and Research-Based Tasks

1. Survey Activity (Optional but encouraged):

Conduct a mini-survey of 10 people in your area to collect data on:

Modes of transport used

Awareness of environmental issues

Present your findings using bar or pie charts.

2. Poster Making:

Make a poster on any one of the following themes: Save Water, Save Life Smart Cities for Sustainable Future Climate Change and You

Section E: Reading and Reflection

Read one of the following articles/reports (available online) and write a 150–200-word reflection:

UNDP Human Development Report Summary

India State of Forest Report

NITI Aayog Report on Water Management Index

Include:

- Key points
- What you learned
- Your opinion

HISTORY

General Instructions:

Complete all work in a neat file or A4 sheets.

Use visuals, maps, and timelines wherever possible.

Creativity, originality, and clarity will be appreciated.

Section A: jkbose Project Work (Compulsory)

Choose any one topic from the following themes for a Research Project (15-20 pages):

1. The Harappan Civilization: Town Planning and Culture

- 2. The Mahabharata: A Historical and Social Source
- 3. Buddhism and Jainism: Teachings and Spread
- 4. Bhakti and Sufi Movements: A Cultural Revolution
- 5. The Mughal Court: Power and Patronage
- 6. Mahatma Gandhi and the National Movement
- 7. Partition of India: Voices from the Margin
- 8. Temples, Architecture and Kingship in South India

Project Guidelines (as per Jkbose):

Title Page, Acknowledgment, Certificate Introduction, Objectives, Research Work Analysis, Interpretation, Conclusion Bibliography, Appendix (if any) Use visuals/maps/illustrations creatively

Section B: Map Work (From Part I & II)

Practice the following map items:

- 1. Archaeological sites: Harappa, Mohenjodaro, Dholavira, Lothal, Rakhigarhi
- 2. Buddhist and Jain sites: Sanchi, Bharhut, Amaravati, Nagarjunakonda
- **3.** Important towns during the Maurya and Gupta periods
- **4. Major Mughal cities:** Agra, Fatehpur Sikri, Lahore, Delhi, Multan Paste or draw maps and label neatly.

Section C: Creative Writing and Activities

1. Diary Entry: Write a diary entry of a young student witnessing the Dandi March with Gandhiji. (Approx. 300 words)

Section D: Reading & Reflection

Read or watch any one of the following and write a reflection (300-400 words):

Book: Freedom at Midnight by Larry Collins and Dominique Lapierre

Book: The Discovery of India by Jawaharlal Nehru

Documentary: The Story of India by Michael Wood (BBC)

<u>HINDI</u>

प्रश्न1. पघ भाग :-

- क) सूर्यकांत त्रिपाठी, निराला जी की कविता 'वह तोडती पत्थर का भावार्थ लिखें।
- ख) नागार्जुन की कविता ' उनको प्रणाम' हमें क्या प्रेरणा देती है?
- ग) महादेवी वर्मा की कविता 'कौन पहुँचा देगा उस पार में किसका वर्णन किया गया है?
- घ) रामधारी सिंह दिनकर जी, की कविता 'कलम आज उनकी जय बोल' क्या शिक्षा देती है?

प्रश्न2. गघ भाग :-

- क) भक्तिन पाठ का सार अपने शब्दों में लिखें
- ख) भक्तिन पाठ में भक्तिन का चरित्र- चत्रिण कीजिए

प्रश्न3. पघ भाग :-

- क) संधि की परिभाषा देते हुए उसके भेदों के नाम बताएँ
- ख) स्वर और व्यजंन में अन्तर स्पष्ट कीजिए

प्रश्न4. अनुच्छेद :-

i) शिक्षा और आचरण का परस्पर संबधं

- ii) स्वच्छ भारत अभियान
- नोट:- लिखें और याद करें|
 - 'परियोजना कार्य'
 - क) बचपन की यादें मन को गुदगुदाने वाली होती है विशेष रूप से स्कूल के दिनों की। आप भी अपनी किसी ऐसी याद के बारे में लिखिए तथा अपने बचपन का चित्र भी लगाएँ।
 - ख) समास की परिभाषा देते हुए अपनी रचनात्मक कला का प्रयोग करते हुए समास के भेदों का प्रवाह चित्र बनाएँ|

NOTE:

- > SUBMISSION OF HOLIDAYS HOMEWORK ON 11-07-25 (FRIDAY)
- > TIME OF SUBMISSION 10:00 A.M. TO 10:30 A.M
- > ENTRY IS FROM Gate no. 5

