PM SHRI KV NO.1 JHANSI CANTT, AGRA REGION

Class -12

Holiday homework

History

Learn Chapters:-

1) Bricks, Beads and Bones

2) Kings, Farmers and Towns

3) Kinship, Caste and Class

4) Thinkers, Beliefs and Buildings

5) Complete fair notebook.

Maths

1.Practice and write all the concepts of chapters Relation and functions, Inverse trigonometric functions and Matrices in a separate notebook.

2.Complete all Mcqs of previous year from pictures shared on whatsapp group .(No of questions 82.)

3.Complete all the 2 marks an 3 marks questions from the pictures shared on group .(59 questions)

4.Complete all the 5 marks questions from the previous year questions shared on whatsapp group.(19 questions)

5.Complete all case based study questions shared on group.(8 questions)

ग्रीष्मकालीन अवकाश गृहकार्य – हिन्दी (सत्र 2026-27)

कक्षा 12. अ,ब,स

1. निम्न में से किसी **एक** विषय पर फाइल में परियोजना कार्य बनाओ |

(1. भक्तिन पाठ के आधार पर महादेवी वर्मा के हिन्दी साहित्य में योगदान का सचित्र वर्णन करो

(2. दिन जल्दी-जल्दी ढलता है कविता के आधार पर भारतीय संस्कृति में हरिवंशराय बच्चन का युवा कवियों पर पड़ने वाले प्रभाव का सचित्र वर्णन करो

(3. पतंग कविता के आधार पर आलोक धन्वा की काव्यगत विशेषताएँ लिखो ।

(4. बाजार दर्शन पाठ के आधार वर्तमान समय में बढ़ते व्यापारीकरण और इसके प्रभाव के कारण समाप्त होते 'आपसी भाईचारे तथा स्नेह' विषय पर सचित्र वर्णन करो) |

(5. समाचारपत्रों में से तीन संपादकीय काटकर लगाओ और संपादकीय की विशेषताएँ लिखो।

2.निम्न अप्रत्याशित विषयों पर रचनात्मक अनुच्छेद लिखो |

1. एक यात्रा जब रात को सुनसान क्षेत्र में बस खराब हो गई
2. विद्यालय का मेरा पहला दिन,
3. परसेवा का आनंद
4. ऐतिहासिक धरोहर : देश की पहचान
5. इलेक्ट्रोनिक वाहन: समय की माँग

3. वर्ष 2024, 2025, 2026 सी.बी.एस.ई. बोर्ड परीक्षा के प्रश्न पत्र से अपठित गद्यांश और काव्यांश के प्रश्नों को अपनी लेखन पुस्तिका में हल करें । काव्यांश और गद्यांश का प्रिंट भी चिपका लें।

4. भक्तिन, भगतजी ,जीजी पात्रों का चरित्र चित्रण (गुण/दोष लिखकर) करें।

5. मासिक परीक्षा के पाठ्यक्रम की तैयारी करें।

6. पाठों के कठिन शब्दों के अर्थ याद करें।

7. वर्तनी सुधार हेतु घर में किसी की सहायता से श्रुतलेख लिखें और गलतियों को सुधारें।

Geography

Subject: Geography

Class: 12th A (2026-27)

1. Take the print out of all the study material shared with you and get spiral binding.

2. From the practice worksheet for map, do regular practice.

3. Take interview of anyone of the followings: Child Laborer, Domestic Maid, Farmer, Grand Parent.

4. Watch some of the following movies: Swades, Peepli Live, Do Bigha Zameen, Lagaan, Mother India, Kadvi Hawa, Jal, Bhopal: A Prayer for Rain

4. Prepare at least 25 MCQ from all the chapters. MCQ should be competency based.

SN	R. NUMBER	CHAPTER ALLOTED
1.	SNEHA SINGH	Human Geography Nature and Scope
2.	HIMANSHI	The World Population Distribution, Density and Growth
3.	VINAY VERMA	Human Development
4.	SANSKRITI SOLANKI	Primary Activities
5.	ANSH CHATURVEDI	Secondary Activities
6.	SHRISHTI YADAV	Tertiary and Quaternary Activities
7.	MANOJ KUMAR	Transport and Communication
8.	AARJU GOUR	International Trade
9.	JYOTI	Population: Distribution, Density, Growth and Composition
10.	TANYA RANJAN	Human Settlements
11.	MEGHRAJ	Land Resources and Agriculture
12.	TANISHKA VERMA	Water Resources
13.	AYUSHMAN PANDEY	Mineral and Energy Resources
14.	ABHINAV JP	Planning and Sustainable Development in Indian Context
15.	AKSHIKA KUSHWAHA	Transport and Communication
16	ANKUSH YADAV	International Trade
17.	RADHIKA	Geographical Perspective on Selected Issues and Problems

Instructions: 1. Prepare 25 MCQ from each chapter.

2. Include the following types of questions:

   a. Direct/ one word/ one liner: 5 Questions

   b. Assertion and Reason: 5 Questions

   c. Matching: 5 Questions

   d. Statement correct/incorrect: 10 Questions

3. Prepare the work in docx file.

4. Don’t copy from google or any other material.

Accountancy

Home Assignment (Summer vacation 2026-27)
Class 12 Accountancy

CBQ questions (Ch. 1 & Ch. 2).

1. Jyoti and Ruchi are partners sharing profits in the ratio 2:1. They decide to change the ratio to 1:2. The goodwill of the firm is valued at ₹30,000.

- Calculate the gaining ratio.
- Pass the journal entry for goodwill adjustment.
- Explain the impact on partners' capital accounts.

2. Yuvika and Mahima share profits in ratio 3:2. They change it to 1:1. General Reserve in books is ₹20,000.

Calculate- 1. Gaining/sacrificing ratio 2. Pass journal entry for distribution of reserve 3. Pass goodwill adjustment entry if goodwill is ₹40,000

3. Shreya and Palak are partners sharing profits and losses in the ratio of 2 : 1 respectively. As on 1 April 2025 they admit Sneha as a partner with 1/4 share in profits with an equal guarantee that her share of profit shall be at least Rs 55,000. The net profit of the firm for the year ending 31st March, 2026 was Rs. 1,60,000. Calculate new ratio and also prepare profit and loss appropriation account.

4. A, B and C are partners in a firm sharing profits and losses in the ratio of 2:3:1. Their fixed capitals were ₹6,00,000; ₹2,00,000 and ₹4,00,000, respectively. Interest on capital for the year 2020-21 was credited to them @ 9% p.a. instead of 6% p.a. The profit for the year after charging interest was ₹5,00,000. Prepare the Adjustment Table and pass the Adjustment Entry.

5. Anvi and Tanvi were partners in a firm sharing profits in the ratio of 3: 2. Their capitals were Rs. 1,60,000 and Rs. 1,00,000 respectively. They admitted Vaishnavi on 1st April, 2013 as a new partner for 1/5 share in the future profits. She brought Rs. 1,20,000 as his capital. Calculate the value of goodwill of the firm and record necessary journal entries for the above transactions on Vaishnavi's admission.

6. X and Y started business with capital of Rs. 1,00,000 and Rs. 60,000 on 1st April 2018. Y is entitled to a salary of Rs. 800 per month. Interest is allowed on capitals and is charged on drawings at 6% per annum. Profits are to be distributed equally after the above noted adjustments. During the year X withdrew Rs. 16,000 and Y withdrew Rs. 20,000. The profit for the year before allowing for the terms of the partnership deed came to Rs. 60,000. Assuming the capitals to be fixed, prepare the capital and current accounts of X and Y.
7. Calculate the interest on drawings of X @ 10% p.a. for the year ended 31st March, 2018 in each of the following cases:-
    a. If his drawings during the year were Rs. 12,000
    b. If he withdrew Rs. 1,000 p.m. at the beginning of every month.
    c. If he withdrew Rs. 1,000 p.m. at the end of every month.
    d. If he withdrew Rs. 1,000 p.m. In the middle of each month.
    e. In he withdrew the following amounts; April 30th Rs. 3,000, June 30th Rs. 2,000, October 1st Rs. 4,000, December 31st Rs. 1,500, February 1st 2,500
    f. If he withdrew Rs. 3,000 at the beginning of each quarter
    g. If he withdrew Rs. 3,000 at the end of each quarter.
    h. If he withdrew Rs. 3,000 during the middle of each quarter.

8. The partnership deed is silent on payment of salary to partners. Anita, a partner, claimed that, since she managed the business, she should get a monthly salary of Rs 10,000. Is she entitled for the salary? Give reason.
9. A, B and C decided that interest on capitals will be provided to each partner @ 5% per annum, but after one-year C wants that no interest on capital is to be provided to any partner. State how 'C' can do this?
10. Amit and Sumit were partners sharing profit equally. A new partner, Ravi is admitted from 1st April 2022 for a 15th51*th* of the share in the profit. Following is the Balance Sheet of Amit and Sumit as on 31st March 2022:

Balance Sheet
as on 31st March 2022

Liabilities		Amount (₹)	Assets		Amount (₹)
Creditors		1,00,000	Cash		24,000
Bills Payable		30,000	Bank		30,000
Outstanding expenses		6,000	Debtors	40,000	
Capital Accounts:			Less: Provision for Doubtful Debts	(1,000)	39,000
Amit	1,20,000		Stock		40,000
Sumit	80,000	2,00,000	Furniture		20,000
			Machinery		36,000
			Land and Building		1,47,000
		3,36,000			**3,36,000**

Additional Information:

1. Ravi brought ₹40,000 as his Capital and ₹10,000 as his Share of Goodwill.
2. Goodwill brought in by Ravi is withdrawn by the old partners.
3. Machinery is depreciated by ₹4,000 and Furniture by ₹2,500.
4. Provision for doubtful Debts shall be up to 5% on Debtors.
5. Land and Building be appreciated by 20%.
6. Stock is valued at ₹46,000.
7. There is an unrecorded investment of ₹4,000.
8. The electricity Bill of ₹10,000 was omitted from being recorded.
9. Insurance Premium of ₹10,000 shall be carried forward as unexpired insurance.

Make entries, Prepare the Revaluation Account, Partner's Capital Accounts.

(Dr. Lokesh Bajpai)

PGT-Commerce

Business studies

Home Assignment (Summer vacation 2026-27)

Class 12 Business Studies

CBQ questions (Ch. 1: Nature & Significance of Management, Ch. 2: Principles of Management).

These are aligned with CBSE pattern (case-based, assertion-reason, application-based):

Q1. A company, *Zenith Ltd.*, ensures that all departments—production, marketing, and finance—work in coordination. The manager regularly reviews performance and corrects deviations.

Question:
Identify and explain any two characteristics of management highlighted above.

Q2. A manager at a textile firm plans targets, organizes resources, assigns tasks, and ensures employees work efficiently.

Question:
Identify the functions of management performed here and explain any two.

Q3. *Bright Pvt. Ltd.* follows a practice where workers are paid extra incentives for higher output. The management believes in improving efficiency through financial motivation.

Question:

- Identify the principle of management applied.
- Explain it and give one limitation.

Q4. Assertion (A): Management is a goal-oriented process.
Reason (R): It helps in achieving personal objectives of employees only.

Options:
(a) Both A and R are true and R is correct explanation
(b) Both A and R are true but R is not correct explanation
(c) A is true but R is false
(d) A is false but R is true

Q5. In a company, managers follow strict rules, and there is a clear division of work. Employees are selected based on qualifications and promoted based on merit.

Question:
Identify any two principles of Fayol followed here and explain them.

Q6. A manager notices that workers are stressed due to repetitive tasks. He decides to rotate their jobs to improve efficiency.

Question:
Which principle of management is being applied? Explain how it helps.

Q7. *ABC Ltd.* encourages employees to share suggestions and ideas for improvement. This has increased motivation and reduced absenteeism.

Question:

- Identify the principle involved.
- Explain it and state one benefit.

Q8. Assertion (A): Principles of management are rigid.
Reason (R): They are applied universally without any modification.

Options:
(a) Both A and R are true
(b) Both A and R are false
(c) A is true but R is false
(d) A is false but R is true

Q9. Explain how management is both a science and an art, using suitable examples from a business organization.

Q10. A company follows the rule that each employee receives orders from only one superior. This avoids confusion and conflict in instructions.

Question:

- Identify the principle involved.
- Explain it.
- What problems may arise if this principle is violated?

(Dr. Lokesh Bajpai)

PGT-Commerce

Physics

1.Write all the Practicals each 4 from section A and 4 from section B.

2.All the three activities from section A and from section B.

3.Investigatory project on any of the topic as suggested by CBSE.

4. State and Prove Gauss theorem .

5.Uses of Gauss theorem.

6.Capacitance of Parallel plate capacitor.

7.Capacitance of parallel plate capacitor when dielectric slab of thickness (t) is inserted in between the plates of the capacitor.

8.Energy stored in a Capacitor and $\bar{u} = \frac{1}{2} \epsilon_o E^2$

D K Tiwari

Chemistry

Holiday Home work class 12 B

1. Complete your notebook till chapter 2 electrochemistry.

2. Investigatory project and do basic requirements such as sampling , basic tests etc.

3. Do pyq last 3 year from chapter solutions and electrochemistry.

4. Watch movie Chernobyl disaster on jio hotstar or Netflix and write scientific review.

5. Complete your practical work.

Biology

BASED ON DIFFEREENT COMPETENCY BASED ASSESSMENT ITEMS

SUBJECT –BIOLOGY

LESSON-SEXUAL REPRODUCTION IN FLOWERING PLANTS

Knowledge and Understanding (Recall & Explain)

1. Define pollination.
2. Name the male reproductive part of a flower.
3. State the function of the ovary in a flower.
4. List the types of pollination.
5. Describe the structure of a typical stamen.
6. Explain the term "double fertilization."
7. What is the role of pollen tube in fertilization?
8. Identify the parts of a carpel.
9. Distinguish between self-pollination and cross-pollination.
10. What is the role of the stigma in reproduction?

Application-Based Questions

11. Given a diagram of a flower, label the reproductive parts.
12. Predict what would happen if a flower's an the rs were removed.
13. Suggest Why brightly colored petals are common in insect-pollinated flowers.
14. If a plant is wind-pollinated, what floral adaptations would you expect?
15. Apply your understanding to explain Why seedless fruits are produced in some plants.
16. A plant species depends on bees for pollination. What might happen if bee populations decline?
17. How can artificial pollination be useful in agriculture?
18. Use your knowledge of plant reproduction to suggest a method of producing hybrid seeds.
19. Identify the reason Why some flowers produce nectar.
20. Apply knowledge of pollen germination to explain how fertilizers might affect reproduction.

Analytical Thinking

21. Compare the process of pollination in wind vs. insect-pollinated flowers.
22. Analyze the advantages and disadvantages of self-pollination.
23. Why is cross-pollination considered to promote genetic diversity?
24. Differentiate between the structures of monocot and dicot flowers.
25. Analyze the importance of synchrony in pollen release and stigma receptivity.
26. Examine the role of synergids during fertilization.
27. Why might a plant evolve mechanisms to avoid self-pollination?
28. Identify potential reasons for failure in fertilization.
29. Interpret the evolutionary significance of double fertilization in angiosperms.
30. Compare the reproductive structures of gymnosperms and angiosperms.

Higher- Order Thinking (Evaluation & Creation)

31. Evaluate the efficiencyofartificialpollinationincomparisontonaturalpollination.
32. Design an experiment to test the effect of wind on pollination rate.
33. Justify the use of biotechnology in improving plant reproduction.
34. Propose a breeding technique to improve flower yield in a specific crop.

35. Construct a model showing the journey of pollen to the ovule.
36. Develop a flow chart of the steps involved in sexual reproduction in flowering plants.
37. Assess the impact of environmental pollution on plant reproduction.
38. Debate the ethical aspects of genetically modifying flowering plants for reproduction.
39. Compose a poem or story describing the life cycle of a flowering plant.
40. Invent a device to aid pollination in a green house setup.

Competency-Linked Situational Items

41. Your school garden has mango and papaya trees. Identify which is likely to be unisexual and Why .
42. A plant has sticky pollen and large colorful petals. Suggest its likely pollinator.
43. You observe a flower with both reproductive parts but still relies on cross-pollination. Explain Why .
44. While dissecting a flower, you see a large, sticky stigma. What does this indicate about the mode of pollination?
45. Seeds are not forming on a hibiscus plant. Suggest reasons and remedies.
46. A botanist wants to produce a hybrid plant. Which part should be removed and Why ?
47. Why are seed banks important in conserving plant biodiversity?
48. In a lab setup, a pollen tube doesn't reach the ovule. What factors could be responsible?
49. A fruit has no seeds. What type of reproduction might have taken place?
50. Draw Transverse section of Young an the r with all layers, Mature pollen grain, Typical ovule, Mature embryo sac, Pistil showing path of pollen tube growth, Typical Dicot and Monocot embryo, structure of Castor seed and Maize grain?

LESSON – HUMAN REPRODUCTION

Knowledge-Based(Recall)

1. Define fertilization.
2. Name the primary male and female reproductive organs.
3. What is the function of the uterus?
4. Identify the hormone responsible for ovulation.
5. Label the parts of the male reproductive system.
6. L is t the stages of the menstrual cycle.
7. What is the role of the placenta?
8. State the site of sperm production.
9. Mention two secondary sexual characteristics in males.
10. Which structure in females receives the fertilized egg?

Under standing-Based

11. Explain how the menstrual cycle is regulated by hormones.
12. Describe the process of implantation.
13. Differentiate between identical and fraternal twins.
14. Describe the function of the fallopian tube.
15. Why is the scrotum located outside the body?
16. How does puberty affect males and females differently?
17. Explain the importance of amniotic fluid.
18. Describe the changes in hormone levels during pregnancy.
19. Interpret the role of FSH and LH in reproduction.
20. Why does menstruation occur?

Application-Based

21. Predict the outcome if the fallopian tubes are blocked.
22. Suggest ways to maintain reproductive health.
23. A woman has irregular periods ; what might be the causes?
24. Explain how birth control pills prevent pregnancy.
25. Use a diagram to trace the path of sperm from formation to ejaculation.
26. Apply knowledge of fertilization to explain how IVF works.
27. How would an imbalance in estrogen affect the menstrual cycle?
28. Explain how understanding of human reproduction helps in family planning.
29. Apply the stages of labor to identify the correct birth phase in a scenario.
30. Analyze a hormonal chart to identify when ovulation occurs.

Analysis-Based

31. Compare and contrast sexual and asexual reproduction.
32. Analyze the menstrual cycle to determine the fertile period.
33. Evaluate how lifestyle affects reproductive health.
34. Distinguish between ovulation and menstruation using a flow chart.
35. Examine the effects of reproductive diseases like STDs .
36. Compare human reproductive strategies with those of mammals.
37. Why do reproductive technologies raise ethical issues?
38. Analyze the roles of progesterone and estrogen during pregnancy.
39. How does the structure of sperm aid in fertilization?
40. Interpret a graph showing hormone levels across the menstrual cycle.

Evaluation & Higher Order Thinking

41. Assess the impact of early pregnancy on teen age health.
42. Evaluate pros and cons of various contraceptive methods.
43. Formulate a campaign to educate peers on reproductive health.
44. Justify the need for sex education in schools.
45. Develop a plan to promote awareness of STDs in your community.
46. Debate: Should IVF be made freely available to all?
47. Critique the portrayal of human reproduction in media.
48. Propose improvements in reproductive health care access.
49. Defend the role of hormones in maintaining pregnancy.
50. Draw Diagrammatic representation of spermatogenesis and Oogenesis ,Sectional view of somniferous tubules(enlarged),Sectional view of ovary, Diagrammatic representation of various events during menstrual cycle,

.

Economics

1 Explanation of circular flow of income.

2 Ten numerical problem solving (National Income) based on the following methods
1. Value added method
2. Expenditure method
3. Income method

English Core

***Holiday Homework* (English Core)**

Class -12

1. A Gist with learning outcomes of all the chapters of Flamingo and Vistas

2.Practice of writing skills - each one on various Educational and contemporary topics.

A.Notice writing

B Invitation and reply (Formal and Informal)

C.Report writing (Newspaper and Magazines)

D. Article writing.

E. Letter to the Editor

F. Application for Job

Computer science

Chapter - 1 Python Revision Tour - 1

Multiple Choice Questions Page 30

Fill in the Blanks - Page 31

True/False Page - 32

Chapter - 1 Python Revision Tour - 2

Multiple Choice Questions Page 78

Fill in the Blanks - Page 81

True/False Page - 81

Chapter - 3 Working with Functions

Multiple Choice Questions Page-139

Fill in the Blanks - Page 142

True/False Page - 142

Write Practicals of Chapter 1,2,3 in practical file

practicals are given in Whatsapp Group (PDFs)

Practical 1 Basics of Python

Practical 2 Selections Statements

Practical 3 Iteration Statements

Practical 4 Strings

Practical 5 List

Practical 6 Tuple

Practical 7 Dictionary

Practical 8 Functions

Informatics practices

Chapter - 1 Python Pandas - I

Multiple Choice Questions Page-64

Fill in the Blanks - Page 68

True/False Page - 68

Assertion and Reasons - 69

Chapter - 2 Python Pandas - II

Multiple Choice Questions Page-147

Fill in the Blanks - Page 148

True/False Page - 148

Assertion and Reasons - 149

Write Practicals of Chapter 1,2,3 in practical file

practicals are given in Whatsapp Group (PDFs)

Practical 1 Series

Practical 2 Data Frames

Practical 3 Data Frames - Add delete Rows & Columns

Practical 4 Data Frames - Boolean Indexes

Practical 5 Data Frames - head & tail methods