

# KENDRIYA VIDYALAYA SECL DHANPURI

## SUMMER VACATION (2021-22) HOMEWORK

SUBJECT – ENGLISH

CLASS – XII - B

### READING

Q. 1 Read Times of India Editorial / Opinion page ( hard edition or online PDF - one column only ) **every day** and paraphrase it ( 100 words )

( \* This exercise will increase your ability to comprehend texts )

Q.2 Read any one of the following books and summarise it in approx. 300 words ( Three – four paragraphs )

(a) The story of My Life : By Helen Keller

**Or**

The Wings of Fire by A P J Abdul Kalam.

### WRITING SECTION

Q.1 Prepare an article on any two of the following topic using slogans, innovation , and data.

1. Protect endangered species.
2. Health and hygiene.
3. Advancement in Technology has limited creativity.
4. Merits and Demerits of Online / live interactive Education.

### Literature Section

#### Short Answer type questions ( 30 – 40 words )

Question.1. Why is the order from Berlin called a thunderclap by Franz?

Questions . 2 What shows M Hamel’s love for the French language?

Question.3. What words did M Hamel write on the blackboard before dismissing the last class? What did they mean?

Question.4. How does Kamala Das try to put away the thoughts of her ageing mother?

Question .5 What were Kamala Das, fears as a child? Why do they surface when she is going to the airport?

Questions . 6 Why has the poet brought in the image of the merry children spilling out of their homes?

Question . 7 What does the third level refer to?

Question . 8 Would Charley ever go back to the ticket-counter on the third level to buy tickets to Galesburg for himself and his wife?

### **Long answer Type Questions ( 100 – 120 words )**

Question.1. What changes did the narrator find in the school when the order from Berlin came?

Questions . 2 Philately helps keep the past alive. Discuss other ways in which this is done. What do you think of the human tendency to constantly move between the past, the present and the future?

ग्रीष्म कालीन अवकाश का गृह कार्य ) 2021-22- ( विषय - हिन्दी

कक्षा - बारहवीं

अपठित गद्यांश तथा पद्यांश

प्रश्न .1	गद्यांश तथा पद्यांश लिखकर प्रश्नोत्तर छाँटना	कोई 2 अपठित गद्यांश तथा पद्यांश लिखकर शीर्षक सहित प्रश्नोत्तर लिखना
प्रश्न .2 .	पठन कार्य	प्रतिदिन कम से कम एक अनुच्छेद पढ़कर उसमें निहित शब्दों को समझने का प्रयास करना तथा शुद्ध लेखन का अभ्यास करना ।

अभिव्यक्ति और माध्यम) - रचनात्मक लेखन (

प्रश्न . 3 .	कार्यालयी पत्र	एक सम्पादकीय पत्र , एक शिकायती पत्र लिखना
प्रश्न . 4 .	विभिन्न माध्यमों के लिए लेखन , पत्रकारीय लेखन नामक पाठ (अभिव्यक्ति और माध्यम)	प्रत्येक पाठ से 5 -5 प्रश्न बनाकर उत्तर लिखना (लघूत्तरात्मक प्रश्न)

पाठ्य पुस्तक -निम्न प्रश्नों के उत्तर लिखना -

प्रश्न 1 - . ऐसा कौनसा सा विचार है जो दिन ढलने के साथ लौट रहे पक्षी के कदमों को धीमा कर देता है ।

प्रश्न .2 . बच्चों के स्वभाव के बारे में कवि आलोक धन्वा ने क्या कहा है पाठ के आधार पर स्पष्ट कीजिए ।

प्रश्न 3. हरिवंश राय बच्चन की दोनों कविताओं पर 5 प्रश्न बनाकर उत्तर लिखना ।

प्रश्न .4 बाजार दर्शन पाठ से कोई 5 लघू प्रश्नों का निर्माण तथा उत्तर लिखना ?

प्रश्न .5 . भक्ति का जीवन दुखों से भरा हुआ तथा कैसे पाठ के आधार पर स्पष्ट कीजिए ।

प्रश्न6 . . अपनी इच्छानुसार किसी एक कवि या लेखक के विषय पर परियोजना कार्य तैयार करना ।

CLASS –XII  
 SUMMER VACATION HOME WORK – 2021-22  
 MATHEMATICS  
 CHAPTER: 3 (Matrices)

1. Write the value of  $x + y + z$  if  $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 0 \\ -1 \\ 3 \end{bmatrix}$  **Ans: 2**
2. If  $\begin{bmatrix} 2 & -3 \\ 1 & 1 \end{bmatrix} \begin{bmatrix} x \\ y \end{bmatrix} = \begin{bmatrix} 1 \\ 3 \end{bmatrix}$ , then find the values of  $x$  and  $y$ . **Ans:  $x = 2, y = 1$**
3. If  $A$  is a square matrix such that  $A^2 = A$ , then write the value of  $7A - (I + A)^3$ , where  $I$  is an identity matrix. **Ans: I**
4. If  $A = \begin{bmatrix} 1 & -2 & 3 \\ -4 & 2 & 5 \end{bmatrix}$  and  $B = \begin{bmatrix} 2 & 3 \\ 4 & 5 \\ 2 & 1 \end{bmatrix}$  and  $BA = (b_{ij})$ , find  $b_{21} + b_{32}$ . **Ans: -18**
5. If  $[2, 1, 3] \begin{bmatrix} -1 & 0 & -1 \\ -1 & 1 & 0 \\ 0 & 1 & 1 \end{bmatrix} \begin{bmatrix} 1 \\ 0 \\ -1 \end{bmatrix} = A$ , then write the order of matrix  $A$  **Ans:  $1 \times 1$**

CHAPTER :4 (Determinants )

6. For what value of  $x$ , the matrix :-  $\begin{bmatrix} 5-x & x+1 \\ 2 & 4 \end{bmatrix}$  is singular? **Ans: 3**
7. If  $A$  is a square matrix of order 3 such that  $|adj A| = 64$ , find  $|3A|$  **Ans:  $\pm 216$**
8. If  $A = \begin{bmatrix} \cos \alpha & -\sin \alpha \\ \sin \alpha & \cos \alpha \end{bmatrix}$ , then for what value of  $\alpha$ , is  $A$  an identity matrix ? **Ans:  $0^\circ$**
9. If  $A$  is a square such that  $|A| = 5$ , write the value of  $|A.A'|$  **Ans: 25**
10. If  $A$  is a square matrix of order 3 and  $|3A| = K|A|$ , then write the value of  $K$  **Ans: 27**
11. If for any  $2 \times 2$  square matrix  $A$ ,  $A(adj A) = \begin{bmatrix} 8 & 0 \\ 0 & 8 \end{bmatrix}$ , then write the value of  $|A|$  **Ans: 8**
12. If  $A$  is a skew-symmetric matrix of order 3, then prove that  $\det A = 0$ .
13. If  $A$  is a square matrix of order 3 such that  $|adj A| = 225$ , find  $|A'|$  **Ans:  $\pm 15$**
14. If  $A = \begin{bmatrix} 1 & 2 \\ 4 & 2 \end{bmatrix}$ , then find the value of  $|2A|$  **Ans: -24**
15. Find the value of  $x$ , if  $\begin{vmatrix} 2 & 4 \\ 5 & 1 \end{vmatrix} = \begin{vmatrix} 2x & 4 \\ 6 & x \end{vmatrix}$  **Ans:  $\pm 3$**
16. If  $A$  is non-singular matrix of order 3 and  $|adj A| = |A|^k$ , then write the value of  $k$ . **Ans:  $k = 2$**
17. If  $A$  is a square matrix of order 3 such that  $|adj A| = 64$ , then find the  $|A|$  **Ans:  $\pm 8$**
18. Given  $A = \begin{bmatrix} 4 & 2 & 5 \\ 2 & 0 & 3 \\ -1 & 1 & 0 \end{bmatrix}$ , write the value of  $\det. (2AA^{-1})$  **Ans: 8**
19. If  $A$  is a square matrix of order 2 such that  $|adj A| = 9$ , find the  $|A|$  **Ans: 9**

20. If  $\Delta = \begin{vmatrix} 1 & 3 & -2 \\ 4 & -5 & 6 \\ 3 & 5 & 2 \end{vmatrix}$ , Write the cofactor of  $a_{32}$  **Ans: -14**

21. If  $\begin{vmatrix} 3x & 7 \\ -2 & 4 \end{vmatrix} = \begin{vmatrix} 8 & 7 \\ 6 & 4 \end{vmatrix}$ , find the value of  $x$ . **Ans: -2**

22. If  $A = \begin{bmatrix} 2 & 3 \\ 5 & -2 \end{bmatrix}$ , then write  $A^{-1}$

23. Solve the equation using matrices : **Ans:  $x = 3, y = -2, z = 1$**

$$x + 2y - 3z = -4, \quad 2x + 3y + 2z = 2, \quad 3x - 3y - 4z = 11$$

24. If  $A = \begin{bmatrix} 2 & 3 & 1 \\ -3 & 2 & 1 \\ 5 & -4 & -2 \end{bmatrix}$ , find  $A^{-1}$  and hence solve the given equations:

$$2x - 3y + 5z = 11, \quad 3x + 2y - 4z = -5, \quad x + y - 2z = -3 \quad \text{Ans: } x = 1, y = 2, z = 3$$

25. Let  $A = \begin{bmatrix} 2 & 3 \\ 1 & 2 \end{bmatrix}$ ,  $B = \begin{bmatrix} 4 & -6 \\ -2 & 4 \end{bmatrix}$ . Compute  $AB$ . Hence, solve the following system of equations:

$$2x + y = 4, \quad 3x + 2y = 1. \quad \text{Ans: } x = 7, y = -10$$

26. For any  $2 \times 2$  matrix  $A$ , if  $A(\text{adj } A) = \begin{bmatrix} 10 & 0 \\ 0 & 10 \end{bmatrix}$ , then find the value of  $|A|$ . **Ans: 10**

## **SUMMER VACATION HOMEWORK ( 2021-22 )**

### **\*Business Studies\***

1. Watch my video lessons on YouTube and make detailed notes.
2. Write answers of exercise questions in fair note book...

Of

1. Management - Nature and Significance
2. Principles of Management
3. Business Environment
4. Planning
5. Organizing

## **SUMMER VACATION HOMEWORK ( 2021-22 )**

### **\*Accountancy\***

1. Write and learn the format of Company's Balance Sheet and Income Statement
2. Write and learn the exercise questions of \_Analysis of Financial Statements.\_
3. Write and learn the formula of all the ratios in following category
  - A. Liquidity Ratios
  - B. Solvency Ratios
  - C. Activity Ratios
  - D. Profitability Ratios
4. Write the difference between RECEIPT & PAYMENTS ACCOUNT AND INCOME & EXPENDITURE ACCOUNT
5. Solve the numerical problems of NPO

**SUMMER VACATION HOME WORK – ( 2021-22 )**  
**SUBJECT – ECONOMICS**

**CHAPTER – BANKING**

**One / Three/ Four Marks Questions:**

1. Define Commercial Banks.
2. Define Central Bank.
  
3. Customer can withdraw their money from the bank as on demand from their Time Deposits.  
True or False?
4. Define Demand Deposits.
5. Write any four differences between Commercial and Central Bank.
6. Explain the currency authority function of Central Bank. OR Explain how the RBI functions as a Issuer of Currency.
7. Explain how RBI acts as a Government's Bank.
8. Explain How RBI acts as a Banker's Bank.
9. Explain how RBI functions as a Lender of Last Resort and Custodian of Cash Reserves.
10. Explain why the RBI is known as a Clearing House.
11. Differentiate between Qualitative and Quantitative Credit Control Measures. (Any Four difference)
12. Define: (a) Bank Rate; (b) Repo Rate; (c) Reverse Repo Rate; (d) CRR; (e) SLR; (f) Open Market Operation;  
(g) Margin Requirements.
13. How will RBI use Repo Rate and CRR to control the excess money supply in the economy? Explain.
14. How will RBI use Open Market Operation to control the credit or money supply in the economy? Explain.
15. How will RBI use Reverse Repo rate to control the inflationary situation in the economy? Explain.
16. How will RBI use SLR and Margin Requirement to control the deflationary situation in the economy? Explain.
17. What changes will the RBI do in the following rates in order to control the excess money supply in theeconomy? (i) Reverse Repo Rate; (ii) Bank Rate; (iii) Margin Requirements; (iv) SLR.
18. Define Money or Deposit Multiplier.
19. Explain the process of credit creation by commercial banks with the help of a suitable example.
20. If LRR is 10 % and Initial Deposit is Rs. 1000. Explain the process of Credit Creation by Commercial Banks using the given information.

21. Write the relationship between LRR and Money Multiplier.

**NUMERICAL QUESTIONS:**

1. Initial Deposit with banks is Rs. 750 crores and LRR is 12.5%. Find the value of Money Multiplier and Total Deposit created.
2. Primary Deposit is Rs. 1250 crores and Money Multiplier is 5. Find the value of LRR and Total Deposits.
3. The value of Final Deposit is Rs. 10000 and LRR is 4%. Find the value of Money Multiplier and Initial Deposits.
4. The SLR is given as 16% and the Final Deposit is given as Rs. 25000 crores. Find the value of Money Multiplier and Primary Deposit.
5. Initial Deposit is Rs. 250 crores and Final Deposit is Rs. 3125 crores. Find the value of LRR and Money Multiplier.
6. CRR is 4% and Initial Deposit is Rs. 900 crores. Find the value of Money Multiplier and Final Deposit.
7. If Initial Deposit is given Rs. 200 crores and Final Deposit is Rs. 1000 crores. Further CRR is 5%, Find the value of SLR.

**MULTIPLE CHOICE QUESTIONS:**

1. In order to discourage credit in the economy, the central bank may:  
(a) Increase Bank Rate; (b) Decrease CRR; (c) Decrease Bank Rate; (d) Buy securities in the open market
2. In order to control credit :  
(a) CRR should be increased and Bank rate should be decreased;  
(b) CRR should be reduced and Bank rate should be reduced;  
(c) CRR should be increased and Bank rate should be increased;  
(d) CRR should be reduced and Bank rate should be increased
3. Monetary Policy is the policy of : (a) Government; (b) Central Bank; (c) Commercial Bank; (d) All of the above
4. What is the main aim of a Commercial Bank? (a) To act as banker to the government; (b) To make profit;  
(c) To manage the National debt; (d) To issue bank notes.
5. An initial Deposit of Rs. 5000 results in a multiple expansion of credit to Rs. 100000, what is the value of Money Multiplier? (a) 2; (b) 8; (c) 10; (d) 20
6. RBI issues all currency in India except:  
(a) One Rupee Note; (b) Two-Rupee Note; (c) Five Rupee Note; (d) Ten- Rupee Note
7. The monetary policy generally targets to ensure \_\_\_\_\_.  
(a) Price stability in the economy; (b) employment generation in the country;  
(c) Stable foreign relations; (d) greater tax collections for the government.
8. This function of Central Bank involves buying and selling of government securities from or to the public and commercial banks.  
(a) Selective Credit Controls; (b) Legal Reserve Requirements; (c) Open Market Operations; (d) None of these
9. \_\_\_\_\_ refers to the difference between the amount of loan and market value of the security offered by the borrower against the loan.  
(a) Selective Credit Controls; (b) Moral Suasion; (c) Margin Requirements; (d) Legal Reserve Requirements
10. The ratio of total deposits that a commercial bank has to keep with RBI is called:



- (a) SLR; (b) Deposit Ratio; (c) Cash Reserve Ratio; (d) Legal Reserve Ratio
11. If the total deposits created by commercial banks is Rs. 10000 crores and Legal Reserve Requirements is 40%, then amount of initial deposits will be \_\_\_\_\_.  
(a) Rs.2000 crores; (b) Rs.3000 crores; (c) Rs. 4000 crores; (d) Rs. 14000 crores.
  12. Which of the following will increase the Money Supply?  
(a) Fall in Repo Rate; (b) Purchase of securities in open market; (c) Decrease in CRR; (d) All of these
  13. What is the other name of Money Multiplier?  
(a) Credit Multiplier; (b) Deposit Multiplier; (c) Cash Reserve Ratio; (d) None of these.
  14. Other name of Legal Reserve Requirement is \_\_\_\_\_.  
(a) Cash Reserve Ratio; (b) Statutory Liquidity Ratio; (c) Variable Reserve Ratio; (d) Bank Rate
  15. What happens when there is an increase in the Margin Requirements? (a) No change in Money Supply;  
(b) It reduces the borrowing capacity and money supply; (c) Encourages people to borrow more and money supply rises. (d) None of these.
  16. \_\_\_\_\_ refers to that portion of Total Deposits of a commercial bank which it has to keep with itself in the form of liquid assets. (a) CRR; (b) SLR; (c) Bank Rate; (d) Repo Rate.
  17. Which of the following agency is responsible for issuing Rs. 1 currency note in India?  
(a) RBI; (b) Ministry of Commerce; (c) Ministry of Finance; (d) NITI Aayog.
  18. Demand Deposits include : (a) Saving account deposits and fixed deposits; (b) All types of deposits;  
(c) Savings account deposits and current account deposits; (d) Current account deposits and fixed deposits
  19. Which of the following is not a Quantitative Method of Credit Control?  
(a) Open Market Operation; (b) Margin Requirements; (c) Variable Reserve Ratio; (d) Bank rate policy
  20. Which institution(s) performs the activity of credit creation?  
(a) Commercial Banks; (b) Central Bank; (c) Both (a) and (b); (d) Neither (a) nor (b).

**ONE MARKS QUESTIONS:**

1. \_\_\_\_\_ is the rate of interest at which Central Bank borrows from Commercial Bank.
2. Name any two quantitative tools to control credit creation in an economy.
3. Find Demand Deposits from the following: (i) Current Account Deposits = Rs. 250 crores;  
(ii) Savings Account Deposits = Rs. 350 crores; (iii) Time Deposit = Rs. 500 crores.
4. What will be the value of Total Deposit created by Commercial Banks if Reserve ratio is 10% and Primary Deposit is Rs. 1250 crores.
5. Value of Money Multiplier \_\_\_\_\_ (increases/decreases/remains unchanged) with an increase in Cash Reserve Ratio.
6. What is Demand Deposit?

SUMMER VACATION Homework ( 2021-22 )

XII - IP

1. Define pandas.
2. Define DataFrame and Series.
3. Which module is required to used datastructures.
4. Write a programe to create a series using :
  - a. ndArray.
  - b. List
  - c. Dictionary
  - d. Scalar Value
5. What are the different ways to create DataFrame in python.
6. Write a program to create a DataFrame using dictionary of students name and marks in 3 tests.
7. In program 6 add a new column gender.
8. In program 6 delete a column gender.
9. Write a program to display top 3 records of using question no 6.
10. Write a program to display last 3 records of question no 6.
11. Write a program to display only first column of question no 6.
12. Write a program to create a DataFrame using another DataFrame.
13. What is CSV file how it is created.
14. Write a program to display records using CSV file.
15. Write a program to create CSV file.

## SUMMER VACATION HOMEWORK ( 2021-22 )

### SUBJECT – PHYSICAL EDUCATION

1. History of Yoga
2. Importance of asana
3. Importance of Suryanamaskar
4. Yoga for stress relief
5. Immunity boost asana
6. Breathing exercise students
7. Make a self video with music good quality 30 minutes  
this is for all students and send to the subject teacher  
by 1st week of June.

**Class: XII - B**

**Subject- Library**

**Homework (Summer Vacation)**

All students will do following assignments.

- 1- Book review
- 2- Story Writing
- 3- Hindi /English Essay Writing ( Topic-My School Library)
- 4- Book Reading
- 5- Story Telling
- 6- Book Talk( About Book)
- 7- Book Jacket designing
- 8- Book Mark designing

Dear students all activities send in Google classroom in the form of images, pdf, word, audio and video form with the help of virtual library, textbook etc.