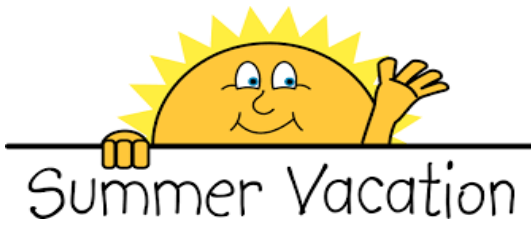


**BANASTHALI PUBLIC SCHOOL**  
**SUMMER HOLIDAY HOMEWORK, SESSION 2022-23**

Circular No. BPS/22-23/31.12(A)

**CLASS XII COM.**

Dated: 26.05.2022



***‘Sand & Sun, Summer Vacation & fun filled activities have begun!’***

*Dear Students,*

*We all have within us the strength, the patience and the passion to reach the stars to change the world. Let’s not fear the change; accept it. Life is all about moving on and looking forward to what makes us more adaptable and stronger.*

*So, during this unique break, be a source of support and help to your parents, be positive and do your work with full zeal and enthusiasm. We have planned the holiday homework in a manner that will engage you in fun activities and help you to enhance your creativity and self-confidence.*

*The Summer Holiday Homework designed would not only enhance the achievements of yours but also help you to enhance the family bonding. It will help you learning doing your assigned tasks independently and shall improve your basic academic and time management skills.*

**GENERAL INSTRUCTIONS:**

- 1. Complete the work (C.W./H.W.) of all the subjects taught in the class, in the respective notebook and in neat hand writing, if still pending.***
- 2. Holiday Homework will be part of internal assessment, so complete the entire work in beautiful and correct manner.***
- 3. After Summer vacation, students will be required to submit the Summer Holiday Homework Note Book /Scrapbook /Project file/ Lab Manuals (whichever applicable) in the school for internal assessment.***
- 4. Parents are requested to help their wards in completing the work in H.H.W notebook /Scrap /Project file itself as mentioned.***
- 5. Revise the whole syllabus covered so far during the classes, for Unit Test-1.***

**HAPPY HOLIDAYS**  
**STAY SAFE, STAY HEALTHY!!**

Subject Name	Details
English	<p><b>I. ATTEMPT TOGETHER WITH -</b>  Unit Assignment 18- 21 Notice Writing  Unit Assignment 30-31 Letter of Enquiry  Unit Assignment 93- The Last Lesson,  Unit Assignment 101 My Mother at Sixty-Six</p> <p><b>II. SUGGESTED READING</b></p> <ul style="list-style-type: none"> <li>• Daughter by Court Order- By Ratna Veera</li> <li>• Sita The Warrior- by Dev Dutt Patnaik</li> <li>• Three Thousand Stitches by Sudha Murthy</li> <li>• To Kill a Mocking Bird by Harper Lee</li> </ul> <p><b>III.SUGGESTED FILMS TO WATCH</b></p> <ul style="list-style-type: none"> <li>• Sound of Music</li> <li>• My Fair Lady</li> <li>• Towering Inferno</li> <li>• The Man who Knew Infinity- A Biopic</li> <li>• Gandhi – Directed by Richard Atten Borogh (A must watch as it is in reference to the Textual Chapter- “The Indigo”)</li> </ul> <p><b>Note – Write a critical appreciation of any two films in your Flamingo Register (Word Limit- 150 words)</b></p>
Accountancy	<p><b>Assignment –1 (Based on CBSE QUESTIONS From Book)</b>  <u>Additional Questions from book</u>  <b>CH-2</b></p> <ul style="list-style-type: none"> <li>• On page .no. 2.137to 2.146- Q76,78,82,88,97,98,101,104 &amp;112.</li> <li>• Do Questions based on Incomplete information pg.no. 2.147 (problem no. 1 to problem-4)</li> <li>• Do MCQ questions on (pg.no 2.159 onwards) in book (Q1 to Q134)</li> </ul> <p><b>CH-3</b></p> <ul style="list-style-type: none"> <li>• On page .no. 3.82 to- 3.86,Q 45,51,54,58,61,64 and 65</li> <li>• Do Questions based on Incomplete information pg.no. 3.86 (problem no. 1 and problem-2)</li> <li>• Do MCQ questions on (pg.no 3.91 onwards) in book (Q1 to Q50)</li> </ul> <p><b>CH-6 CASH FLOW STATEMENT</b></p> <ul style="list-style-type: none"> <li>• DO ILL-12,20,23,33,42,46,49 and 52(BASED ON CBSE QUESTIONS)</li> </ul> <p><b>PROJECT WORK (IN RINGER BINDER FILE)-</b></p> <ul style="list-style-type: none"> <li>• <b>From Part B Book (Analysis of financial statement)</b></li> <li>• Meaning of cash flow statement</li> <li>• Merits and Demerits of cash flow statement</li> <li>• Format of cash flow statement as per (AS-4 Revised) on A-4 size sheet.</li> <li>• Take a print out of your company from internet search related to Cash flow statement of year 2021-22.</li> </ul> <p><b>Note – Do in Assignment Register only.</b></p>
Informatics Practices	<p><b>Do following questions in Class Note book.</b></p> <ol style="list-style-type: none"> <li>1. Do Q4,5,6,9,14 from page no.4.43,4.44</li> <li>2. Do Q16 to 20 from page no.4.45,4.46</li> <li>3. Do Q26 and 27 from page no.4.49</li> </ol> <p><b>Do the following command and get print out with output and paste in Notebook.</b></p> <ol style="list-style-type: none"> <li>1. Create a Database.</li> <li>2. To create student table with the student id, class, section, gender, name, dob,and marks as attributes where the student id is the primary key.</li> <li>3. To insert the details of at least 10 students in the above table.</li> <li>4. To display the entire content of table.</li> <li>5. To display Rno., Name and Marks of those students who are scoring marks more than 50.</li> <li>6. To find the average of marks from the student table.</li> </ol>

<b>Mathematics</b>	Complete the Assignment given in <b>Annexure I</b> in class work register. Revise Ch. 3 (MATRICES) and Ch. 4 (DETERMINANTS) for UT-1.
<b>Physical Education</b>	<p><b>Instructions</b></p> <ol style="list-style-type: none"> <li>a) Practical 1 to 3 to be done in Lab manual.</li> <li>b) Draw neat diagram in every practical.</li> <li>c) Learn all the covered syllabus for UT-1.</li> </ol> <p><b>Practical 1:</b> Fitness tests administration for all items.</p> <p><b>Practical 2:</b> Procedure for Asanas, Benefits &amp; Contraindication for any two Asanas for each lifestyle disease.</p> <p><b>Practical 3:</b> Anyone one IOA recognised Sport/Game of choice. Labelled diagram of Field &amp; Equipment. Also mention its Rules, Terminologies &amp; Skills.</p>
<b>Business Studies</b>	<ol style="list-style-type: none"> <li>1. Complete the Assignment given in <b>Annexure-II</b> in class register only.</li> <li>2. Do the project work in project file only.(Follow the instructions given in Annexure II)</li> <li>3. Revise Ch.1,2 and 11 for UNIT TEST –1.</li> </ol>
<b>Economics</b>	<p><b>ASSIGNMENT-</b> Complete the Assignment given in <b>Annexure-III</b> in class work register</p> <p><b>PROJECT WORK -</b> Do the project work in project file only.</p> <p><b>REVISION WORK-</b> <b>Note:</b> Follow the instructions given in Annexure III for doing all three i.e. Assignment, Project work and Revision work.</p>
<b>Hindi</b>	<ol style="list-style-type: none"> <li>1. इकाई - 1 परीक्षा हेतु आरोह भाग 2 (गद्य)पाठ 11,12 ( काव्य) पाठ 1 अभिव्यक्ति और माध्यम पाठ 3 व अनुच्छेद लेखन तैयार करें ।</li> <li>2. परियोजना कार्य के लिए दिए गए विषय के अनुसार सामग्री एवं चित्र संकलित करें तथा क्रमानुसार लगाकर रखें ।</li> <li>3. अनुच्छेद लेखन- 1 - योग भगाए रोग । 2 - नियमित कक्षाओं का महत्व ।</li> </ol>
<b>Gen. Comp.</b>	Create a project which covers the following topics with explanation in brief and paste or draw related pictures in interleaf project file: Networking & its Applications, Network Devices, Types of Network & Topology, Protocols.
<b>Gen. Study</b>	Make a project on any ONE of the following topics: (Project should be of 15-20 pages and related pictures should also be pasted in orange coloured project notebook.) <ol style="list-style-type: none"> <li>a) Agriculture in India</li> <li>b) Unemployment in India</li> <li>c) Poverty in India</li> <li>d) Science &amp; Technology</li> </ol>

**ASSIGNMENT - MATHEMATICS**  
**(MATRICES AND DETERMINANTS)**

**Q.1 to Q.10 are multiple choice type questions, select the correct option**

**Q1.** If  $A = \begin{bmatrix} \alpha & \beta \\ \gamma & -\alpha \end{bmatrix}$  is such that  $A^2 = I$ , then

- a)  $1 + \alpha^2 + \beta\gamma = 0$       b)  $1 - \alpha^2 + \beta\gamma = 0$       c)  $1 - \alpha^2 - \beta\gamma = 0$       d)  $1 + \alpha^2 - \beta\gamma = 0$

**Q2.** If  $\begin{bmatrix} x-y & 2 \\ x & 5 \end{bmatrix} = \begin{bmatrix} 2 & 2 \\ 3 & 5 \end{bmatrix}$ , then value of y is

- a) 1      b) 3      c) 2      d) 5

**Q3.** If matrices A and B are inverse of each other then

- a)  $AB = BA$       b)  $AB = BA = I$       c)  $AB = BA = 0$       d)  $AB=0, BA=I$

**Q4.** The matrix  $\begin{bmatrix} 5 & 10 & 3 \\ -2 & -4 & 6 \\ -1 & -2 & b \end{bmatrix}$  is singular matrix, then value of b is

- a) -3      b) 3      c) 0      d) any real number

**Q5.** If  $A^2 - A + I = 0$ , then inverse of A is

- a)  $A^{-2}$       b)  $1 - A$       c) 0      d) A

**Q6.** If A is a matrix of order  $3 \times 3$ , then the value of  $|3A|$  is

- a)  $27|A|$       b)  $-27|A|$       c)  $9|A|$       d) None of these

**Q7.** The area of triangle with vertices  $(-3,0)$ ,  $(3,0)$  and  $(0,k)$  is 9 sq.unit. The value of k will be

- a) 9      b) 3      c) -9      d) 6

**Q8.** Let A be a square matrix of order  $3 \times 3$ , then  $|KA|$  is equal to

- a)  $|A|$       b)  $K^2|A|$       c)  $K^3|A|$       d)  $3K|A|$

**Q9.** If a matrix A is both symmetric and skew symmetric then matrix A is

- a) a scalar matrix      b) a diagonal matrix      c) a zero matrix of order  $n \times n$       d) None

**Q10.** If  $A = \begin{bmatrix} 0 & 2 \\ 2 & 0 \end{bmatrix}$ , then  $A^2$  is

- a)  $\begin{bmatrix} 0 & 4 \\ 4 & 0 \end{bmatrix}$       b)  $\begin{bmatrix} 4 & 0 \\ 4 & 0 \end{bmatrix}$       c)  $\begin{bmatrix} 0 & 4 \\ 0 & 4 \end{bmatrix}$       d)  $\begin{bmatrix} 4 & 0 \\ 0 & 4 \end{bmatrix}$

**Q11.** Find a matrix A such that  $2A - 3B + 5C = 0$ , where  $B = \begin{bmatrix} -2 & 2 & 0 \\ 3 & 1 & 4 \end{bmatrix}$  and  $C = \begin{bmatrix} 2 & 0 & -2 \\ 7 & 1 & 6 \end{bmatrix}$ .

**Q12.** Find the inverse of the following matrix using elementary operations

$$A = \begin{bmatrix} 1 & 2 & -2 \\ -1 & 3 & 0 \\ 0 & -2 & 1 \end{bmatrix}$$

**Q13.** Solve the system of equations using matrix method :  $x - y + z = 6$ ,  $x + 2z = 7$ ,  $3x + y + z = 12$

**Q14.** Show that the matrix  $A = \begin{bmatrix} 2 & 3 \\ 1 & 2 \end{bmatrix}$  satisfies the equation  $A^2 - 4A + I = 0$ , where I is identity matrix.

Using this equation find  $A^{-1}$ .

**Q15.** Determine the product  $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix} \begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$  and use it to solve the system of equations

$$x - y + z = 4, x - 2y - 2z = 9, 2x + y + 3z = 1$$

**Q16.** If  $A = \begin{bmatrix} \cos x & -\sin x & 0 \\ \sin x & \cos x & 0 \\ 0 & 0 & 1 \end{bmatrix}$  verify that  $A(\text{adj}A) = (\text{adj}A)A = |A|I_3$ .

**Q17.** If  $A^{-1} = \begin{bmatrix} 3 & -1 & 1 \\ -15 & 6 & -5 \\ 5 & -2 & 2 \end{bmatrix}$  and  $B = \begin{bmatrix} 1 & 2 & -2 \\ -1 & 3 & 0 \\ 0 & -2 & 1 \end{bmatrix}$  find  $(AB)^{-1}$

**Q18.** Using elementary operations, find the inverse of matrix  $\begin{bmatrix} 1 & 3 & -2 \\ -3 & 0 & -1 \\ 2 & 1 & 0 \end{bmatrix}$

**Q19.** Find the matrix A satisfying the equation  $\begin{bmatrix} 2 & 1 \\ 3 & 2 \end{bmatrix} A \begin{bmatrix} -3 & 2 \\ 5 & -3 \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

**Q20.** If  $A = \begin{bmatrix} 2 & -3 & 5 \\ 3 & 2 & -4 \\ 1 & -1 & -2 \end{bmatrix}$ , find  $A^{-1}$ , using  $A^{-1}$  solve the system of equations,  $2x - 3y + 5z = 11$ ,  
 $3x + 2y - 4z = -5$ ,  $x + y - 2z = -3$

**Q21.** Express the following matrix as the sum of symmetric and skew symmetric matrix  $\begin{bmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ -1 & 1 & 2 \end{bmatrix}$

**Q22.** If  $A = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$ , then prove that  $A^n = \begin{bmatrix} 3^{n-1} & 3^{n-1} & 3^{n-1} \\ 3^{n-1} & 3^{n-1} & 3^{n-1} \\ 3^{n-1} & 3^{n-1} & 3^{n-1} \end{bmatrix}$ , where  $n \in N$

**NOTE :** a) Revise CHAPTER 3 (MATRICES) AND CHAPTER 4 (DETERMINANTS)  
 b) Complete Activity 1, 2 and 3 in Math project file.

## ANNEXURE II

### ASSIGNMENT – BUSINESS STUDIES

**Do all the following assignment questions in the class register only.**

- Q1.** Identify and state the force that binds all the other functions of management.
- Q2.** Identify the level of management whose basic task is to integrate diverse elements and coordinate the activities of different departments according to the overall objectives of the organisation. State any two functions of the level of management identified.
- Q3.** “Efficiency and Effectiveness are two sides of one coin.” Explain.
- Q4.** Foreman and Supervisor are part of \_\_\_\_\_ management.
- Q5.** Management of Alpha Ltd has installed a special recycling plant to recycle the waste instead of dumping the waste in ground. It is also providing employment opportunities to local residents. Company started a school nearby for the children of their employees.  
 a) Identify the objectives company is fulfilling.  
 b) Quote the lines from the above para which indicate those objectives.
- Q6.** Name the technique of Taylor which is the strongest motivator for workers to reach standard performance.
- Q7.** A sales person is asked to finalized the deal with customer. The marketing manager allows him to give a discount of up to 10% but the finance manager allows him to give discount of up to 25%. Which principle is violated here?
- Q8.** Briefly explain the following work study techniques:  
 a) Time study  
 b) Motion study  
 c) Fatigue study  
 d) Method study
- Q9.** What did Taylor want to communicate through Mental revolution?
- Q10.** Which principle of management states that employees should not be moved frequently from one job position to another.
- Q11.** If an organistaion follows the following principles of management, state some pf their positive effects on the Organisation.  
 a) Scalar chain                      b) Esprit de corps
- Q12.** It is well known fact that is two employees at the same level are not treated at par by their superior, it would lead to job dissatisfaction. Identify the related feature of principles of management being highlighted in the given case.

- Q13.** A manager, decided that there will be separate departments for finance, marketing, production and sales in her company. By doing so she is following a principle of management. Name the principle.
- Q14.** Why is it said that the principles of management are universal?
- Q15.** “Workers should be encouraged to develop and carry out their plans for development.” Identify the principle of management formulated by Fayol.
- Q16.** What is meant by generic name of a product?
- Q17.** Why is developing customer support services considered to be the key to marketing success in modern days?
- Q18.** A TV Manufacturing company is spending substantial amount of money to persuade target customers to buy its TV sets through advertisement, personal selling and sales promotion techniques. Identify the element of marketing mix referred here.
- Q19.** Which marketing concept take care of social, ethical and ecological aspect of marketing?
- Q20.** It is necessary that goods and services must be available at right place , in right quantity and at the right time. Name the concerned element of marketing mix.
- Q21.** Differentiate between Marketing concept and societal concept on any four basis.
- Q22.** Packaging is a silent salesmanship. Explain.
- Q23.** There are some characteristics that should be kept in mind while choosing a brand name. Explain any two such characteristics that a good brand name should have.
- Q24.** \_\_\_\_\_ ensures that products reach the ultimate customers from manufacturers.
- Q25.** Which channel of distribution is costly for the manufacturer?

**Project work :**

**Guidelines for project work:**

1. The project work should be handwritten.
2. The project work should be present in a project file only.
3. Cover page should include the title of the project ,student information, school and year.
4. The project work has two choices.
  - a) Ch-2 Principle of Management ( Meaning , function and applicability )

**OR**

  - b) Ch-11 Marketing Management(Meaning Functions and marketing mix -product mix, price mix, place mix and promotion mix.

**Learn Ch-1,2,and 11 for UT-1**

**ANNEXURE III**

**ASSIGNMENT – ECONOMICS**

**PART A: Writing Skills**

1. State the components of money supply. (1)
2. Give the meaning of cash reserve ratio. (1)
3. What is reverse repo rate? (1)
4. Explain the function of Lender of last resort and clearing house function of a Central Bank. (3)
5. Explain the “Bankers’ Bank function” of the central bank. (3)
6. What were the main causes of slow growth of population during British rule? (3)
7. ‘Composition of foreign trade of any country tells us about the nature of commodities that are exported and imported.’ What can you state about the composition of foreign trade at the time of Independence? (3)
8. Describe briefly the functions of money. (4)
9. Explain how open market operations are helpful in controlling credit creation. (4)
10. Explain ‘banker to the government’ function of the Central Bank. (4)

11. What is meant by statutory liquidity ratio (SLR)? State the effect of rise in rate of SLR on creation of credit. (4)
12. Discuss occupational structure of Indian economy at the time of Independence. (4)
13. Explain positive effects of introduction of railways by colonial Government in India. (4)
14. Mention the state of Indian industries on the eve of independence. (4)
15. Differentiate between micro and macro economics. (4)
16. Explain the problem of double coincidence of wants faced under barter system. How has money solved it? (6)
17. How does the Central Bank control credit creation in the economy through open market operation and bank rate? Explain. (6)
18. 'The railways affected the structure of the Indian economy positively, as well as negatively.' Discuss. (6)

### **Part B- Learning skills**

#### **Learn the following chapters:**

##### **MACRO ECONOMICS:**

**Ch-1: Introduction**

**Ch-5: Money**

**Ch-6: Banking**

##### **INDIAN ECONOMIC DEVELOPMENT:**

**Ch-1: Indian Economy on the eve of Independence**

**Work: Make a question bank of minimum 20 questions from above chapters except the ones mentioned in assignment.**

### **Part C- Project Work**

Make a project report on the topics already assigned in class.

#### **General Instructions for the project report:**

- a) Project must be hand written only. No prints allowed.
- b) Page limit minimum-20.
- c) Use of Red pen and Green pen is strictly not allowed.
- d) Project report must cover the aspects such as, Introduction, relevance and limitations of the topic.
- e) Project report must begin with cover page, certificate, acknowledgement, index and end with bibliography)