HARI VIDYA BHAWAN

SESSION-2020-2021

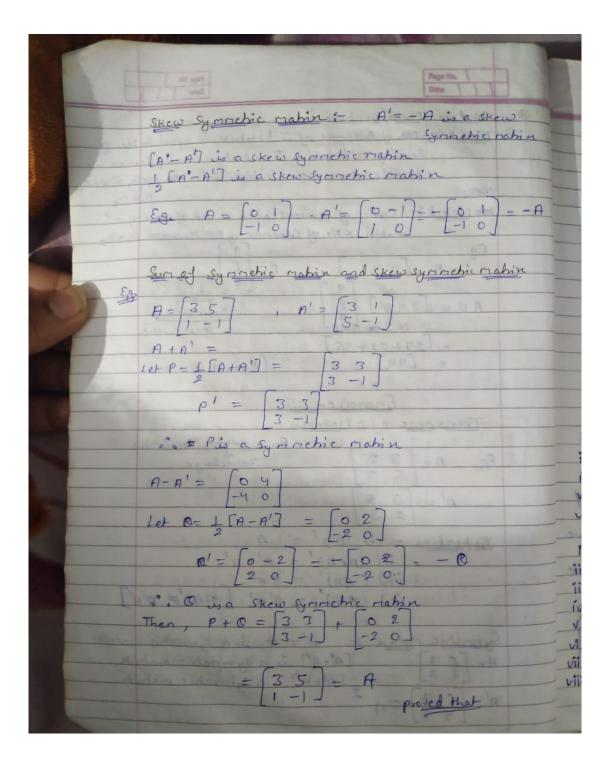
Subject- MATHEMATICS

Class -12th

Worksheet - 4

- 1) Find x, y, z and w such that $\begin{bmatrix} x y & 2z + w \\ 2x y & 2x + w \end{bmatrix} = \begin{bmatrix} 5 & 3 \\ 12 & 15 \end{bmatrix}$
- 2) If $\begin{bmatrix} a+b & 2 \\ 5 & ab \end{bmatrix} = \begin{bmatrix} 6 & 2 \\ 5 & 8 \end{bmatrix}$, find the values of a and b.
- 3) Find the matrix A such that 2A 3B + 5C = 0, where $B = \begin{bmatrix} -2 & 2 & 0 \\ 3 & 1 & 4 \end{bmatrix}$ and $C = \begin{bmatrix} 2 & 0 & -2 \\ 7 & 1 & 6 \end{bmatrix}$.
- 4) Solve the matrix equation $\begin{bmatrix} x^2 \\ y^2 \end{bmatrix} 3 \begin{bmatrix} x \\ 2y \end{bmatrix} = \begin{bmatrix} -2 \\ 9 \end{bmatrix}$.
- 5) Write down the concepts of matrix multiplication and transpose of a matrix in your notebook.

	Luce Luce
*	Matrin Multiplication
mido	Note 1 :- No. of Colourns of Ist Matrix is equal to No. of
	Rows of II nd Matrix. Then Matrin multiplication is
	possible otherwise not possible". The my n, = my no
	need need need need need need need need
-11-4	No Note 25 - Order of Answer Makin = No. of mus of Ist
	Makin X No. of Colourns of Ind Makin = M, x ng
	Eg. 9
No.	A = [3 45] B = 8
	9 L Eeval
-	AB = [345] 8 1×3.•3×1
THE SECTION ASSESSMENT	1×3 = 3×1 Compere New
1000	= [27+32+35] = [94] (Ross & Glovens)
MI	[Lows A Glovens
	Enerclie - 3.3
1	Transpose of a Marin
	0
	Eg. A= \[3 \ 2 \] Interchange
	5 3
	$A' = \begin{bmatrix} 3 & 5 \\ 2 & 3 \end{bmatrix}$
	Properties = i) (A')' = A
No.	$(p+R)' = \theta' + R'$
1200	(ii) $(5n)' = 5n'$
A DES	in'' $(sn)' = sn'iv (AB)' = s'n' [(AB)' \neq n'n']$
Bearing.	1 1 2 0 1 2 10 4 10 5 10 5
	Symmetric matrin : A' = A is a symmetric matrix
	A= (67) [A+A) is a sympetric matrix
	A= [67] [A+A] is a symmetric matrix [F+A] is a symmetric matrix
	A = [6 7] = A
1	[72] -H



HARI VIDYA BHAWAN

Session- 2020-2021

Subject- Accountancy (055)

Class -12th

Worksheet-4

Chapter-1(Financial Statement of Not For Profit Organisations)

Multiple choice Questions.

- **Q.1.** The amount of 'Subscription received from member ' by a non profit organisation is known in which of the following?
 - A. Debit side of Income & Expenditure Account
 - B. Credit side of Income & Expenditure Account
 - C. Liability side of Balance Sheet
 - D. Assets side of Balance Sheet
- Q.2. Donation Received for special purpose:
 - A. Should be credited to Income & Expenditure Account
 - B. Should be credited to separated account and shown in Balance Sheet
 - C. Should be shown on Assets Side
 - D. Should not be recorded at all
- Q.3. Subscription received by School for organisation annual function is treated as:
 - A. Capital Receipt (i.e., liability)
 - B. Revenue Receipts (i.e., income)
 - C. Asset
 - D. Earned Income
- **Q.4.** Explain and How would a Non Profit Organisation record the following items while preparing income & Expenditure Account and Balance Sheet:
 - i. Capital Fund
 - ii. Legacy
 - iii. Specific Donation
 - iv. Life membership fees
 - v. Entrance fees
 - vi. Subscription
 - vii. Endowment Fund
 - viii. sale of news papers
 - ix. investment purchased
 - x. Donation for Building

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SESSION 2020-2021 CLASS - XII HISTORY WORKSHEET - 4

Chapter-1 Brick, Beads and Bones.

(Harappan Civilisation)

Read this topic from your book and answer the following questions.

Topic: Tracking social differences

Page no.- 9 and 10

- 1. How do archaeologist trace Socio-economic differences in Harappan Society.
- 2. Some graves contain pottery and ornaments............ What does it reflect? (page no. 9- 3RD Paragraph)
- 3. What do you mean by utilitarian and Luxuries?
- 4. Make a list of Utilitarian goods and Luxuries goods found at Harappan sites.
- 5. What do you mean by Hoards?