

HARI VIDYA BHAWAN

SESSION- 2020-2021

Subject- MATHEMATICS

Class – 12th

Worksheet – 7

General Instructions :-

1. Complete these worksheets in any notebook or rough copy.
 2. Complete this worksheets as your periodic test I. Marks would be given to those who complete it else you will have to go through pen paper test after the school reopens.
 3. If you have any query related to worksheets ask your queries in whatsapp group between 10 am -12 pm in morning and 4 pm – 6 pm in the evening.
 4. All the students must download Meritnation app for all content related to chapter for completing worksheets.
 5. See video link/Video no. <https://www.youtube.com/watch?v=lpnYh7F4m9k> and book pdf(shared on the whatsapp group) in every worksheet as it will help you to understand the topic.
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1) Find the transpose of the matrix $A = \begin{bmatrix} -1 & 5 & 6 \\ \sqrt{3} & 5 & 6 \\ 2 & 3 & -1 \end{bmatrix}$.

2) If $A' = \begin{bmatrix} 3 & 4 \\ -1 & 2 \\ 0 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} -1 & 2 & 1 \\ 1 & 2 & 3 \end{bmatrix}$, then verify that

(i) $(A + B)' = A' + B'$

(ii) $(A - B)' = A' - B'$

3) If $A' = \begin{bmatrix} 1 \\ -4 \\ 3 \end{bmatrix}$ and $B = [-1 \ 2 \ 1]$, then verify that $(AB)' = B'A'$.

4) Show that the matrix $A = \begin{bmatrix} 1 & -1 & 5 \\ -1 & 2 & 1 \\ 5 & 1 & 3 \end{bmatrix}$ is a symmetric matrix.

5) Show that the matrix $A = \begin{bmatrix} 0 & 1 & -1 \\ -1 & 0 & 1 \\ 1 & -1 & 0 \end{bmatrix}$ is a skew-symmetric matrix.

6) Express the following matrices as the sum of a symmetric and a skew symmetric matrix :

(i) $\begin{bmatrix} 3 & 5 \\ 1 & -1 \end{bmatrix}$

(ii) $\begin{bmatrix} 3 & 3 & -1 \\ -2 & -2 & 1 \\ -4 & -5 & 2 \end{bmatrix}$

HARI VIDYA BHAWAN

Session- 2020-2021

Subject- Accountancy (055)

Class -12th

Worksheet-7

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

General instruction :

- Solve the worksheet in a separate notebook which is available at your home or do it on a paper Later will be pasted in your fair copy . No need to go outside .
- All the students must download Meritnation app for all content related to chapter for completing worksheets.
- To solve this worksheet you can take help of the following link:
<https://play.google.com/store/apps/details?id=com.theextraclass.extraclass>
(for all topics of NPO. You can see all topic videos.
<https://youtu.be/lcNOe3Onlaw> (topic – preparation of income and expenditure account)

Topic: Calculation of cost of supplies and Materials Consumed

Q.1. Calculation the amount to be debited to Income and Expenditure Account from the following information for 2017-18:

Particulars	1 April 2017 Rs.	31st March 2018 Rs.
Stock of sports Material	2,600	4,600
Creditors for Sports Material	2,400	2,660

Amount paid for Sports Material During 2017-18 is Rs. 5,780.

(Ans. Rs. 4,040)

Q.2. Calculation the amount of sports material to be debited to Income and Expenditure Account of Capital Sports Club for the year ended 31-3-2017 on the basis of the following information :

Particulars	1 April 2016 Rs.	31st March 2017 Rs.
Stock of sports Material	7,500	6,400
Creditors for Sports Material	2,000	2,600

Amount paid for Sports Material During the year was Rs. 19,000.

(Ans. Rs. 20,700)

Q.3. Calculation the amount of medicines to be debited to Income and Expenditure Account of Good Health Hospital for the year ended 31-3-2017 on the basis of the following information :

Particulars	1 April 2016 Rs.	31st March 2017 Rs.
Stock of sports Material	1,75,750	1,44,650
Creditors for Sports Material	15,06,900	18,20,700

Medicines purchased during the year ended 31-3-2017 were Rs.60,80,700.

(Hint: Creditors for Medicines will be ignored)

(Ans. Rs. 61,11,800)

Q.4. Calculation What amount will posted to Income and Expenditure Account for the year ending 31-3-2015 on the basis of the following information:

	Rs.
i. Stock of stationery on 1st April ,2014	7,000
ii. Creditors for stationery on 1st April,2014	4,000
iii. Advance paid for stationery carried forward on 1st April 2014	6,000
iv. Stock of stationery on 31st March ,2015	3,000
v. Creditors for stationery on 31st March 2015	8,000
vi. Advance paid for stationery 31st March 2015	1,500
vii. Amount paid for stationery during 2014-15	42,000

Preparation of Income and Expenditure Account from Receipts and Payment account :

Q.5. The following is Receipts and Payment Account of Shri Mahabir Sports Club for the year ended 31st March 2014:

Receipts	Rs.	Payment	Rs.
To Balance b/d		By Salaries	17,000
Cash	800	By Upkeep of field and pavilion	3,400
Bank	4,200	By Medicines Purchased	4,000
Fixed Deposit at 9% p.a.	10,000	By Match Expenses	8,800
To Member Subscription		By Building Constructions	30,000
(including Rs.800 for 2012-13)	96,000	By Maintenance Expenses	3,600
To Member Admission Fees	3,500	By Rent and Taxes	8,950
To Sales of Furniture	1,600	By Grass Seeds	500
To Sales of Grass	200	By Cost of second hand Car	40,000
To Donations	5,000	By Balance c/d:	
To Match Fund Receipts	12,000	Cash	1,500
To Interest on Fixed deposit	450	Bank	6,000
		Fixed Deposit at 9% p.a.	10,000
	<u>1,33,750</u>		<u>1,33,750</u>

Additional Information:---

(i) Subscriptions Receivable is as follows :	Rs.
On 31st March, 2013	1,000
On 31st March, 2014(for 2013-14)	2,500
(ii) Advance Subscriptions are as Follows:	
31st March, 2013	600
31st March, 2014	900
(iii) Stock of Medicines:	
31st March, 2013	480
31st March, 2014	650
(iv) Staff Salary Payable:	
31st March, 2013	1,200
31st March, 2014	1,400

(Ans. Surplus Rs.64,620, Capital Fund Rs. 34,680, Balance sheet total Rs.1,04,800)

Q.6. The following is Receipts and Payment Account of Star Club for the year ended 31st March 2013:

Receipts	Rs.	Payment	Rs.
To Balance b/d on 2012	4,400	By Salaries	18,200
To Subscription	46,100	By Rent	15,000
To Interest	2,500	By Printing and Stationery	7,300
To Tournament Fund	12,000	By Expenses on Charity Show	16,100
To Donations	6,000	By Tournament Expenses	7,500
To Donation for Building extension	20,000	By Investment Purchases	10,000
To Receipts from advertisement in the year book	5,200	By Furniture	6,000
		By Balance c/d on 31-3-2013	16,100
	<u>96,200</u>		<u>96,200</u>

Additional information:--

Subscription outstanding on 31st March, 2012 were Rs. 4,500 and on 31st March, 2013 were Rs. 6,000. Rent outstanding at the beginning of the year was Rs. 1,000 and in the end was Rs. 1,500. Furniture was Purchased on 1st July, 2012. On 1st April, 2012 the club had furniture valued Rs. 8,000 and Investment valued Rs. 15,000.

Prepare Income and Expenditure Account for the year ended 31st March 2013 and a Balance Sheet as at that date, after depreciating furniture by 10% p.a.

(Ans. Surplus Rs. 2,950, Capital Fund Rs. 30,900, Balance Sheet total Rs. 59,850)

HARI VIDYA BHAWAN

SESSION 2020-2021

CLASS - XII

HISTORY

WORKSHEET - 7

CHAPTER-1 Bricks, Beads and Bones

Instructions:

1. Those who have maintained History notebook they can do all the work in their notebook.
2. Those who have not maintained History notebook they can do all the work in previous year any blank register or loose sheets, whatever is available at your home. No need to go outside.
3. For chapter explanation see the video link given <https://youtu.be/eUpz93o3Qeg>
4. Read the page no. 19, 20, 21,22 of your text book and answer the following questions.

Questions

1. Describe the contribution of John Marshall in the Indian archaeology.
2. Why was Cunningham Confused about Harappa Civilization?
3. Who was John Marshall?
4. Discuss how archaeologist reconstruct the past.
5. Mention any two difficulties faced by historians in deciphering the Indus script.