

USE SUBJECT WISE NOTEBOOKS FOR ASSIGNMENT
Assignment-4 for duration 01 June 2020 to 15 June 2020
Assignment-5 will be uploaded on 15 June 2020

Class- 12-COMMERCE

Subject-English



ASSIGNMENT - 4

1. The Principal, Sunshine Public School, Lucknow, has invited the Inspector of Police (Traffic) to deliver lecture on 'Road Safety' in her school. Draft a notice in about 50 words informing the students to assemble in the school auditorium.
2. Along with air and water pollution, our cities are also under an attack of noise pollution. Marriage processions, DJs during wedding receptions, loud music from neighbourhood flats etc, are all sources of noise which is not good for the old , the ailing, and students. Write a letter in 120-150 words to the editor of The Times Of India, New Delhi describing the problem and making a request to the concerned authorities to solve it. You are Karan/ Karuna, M 114, Mall Road, Delhi.
3. The rising prices of essential commodities make life difficult for the common man. As a concerned citizen write an article in 150-200 words on 'Rising Prices'. Suggest solutions to solve this problem. You are Amit/ Amita.
4. Why was Dr. Sadao not sent to the battlefield? (30-40 words).
5. On the seventh day after the American soldier was found by Sadao, two things happened. Why did Hana feel scared of the second? (30-40 words).

Class - 12
Subject - Hindi

प्रश्न -१) आभासी शिक्षण (Digital Learning) के फायदे नुकसान पर चिंतनकार एक अनुच्छेद लिखिए।

प्रश्न -२) आज इस विपरीत परिस्थिति में शिक्षा माध्यम क्या हैं? इस माध्यम से आप कहीं तक संतुष्ट हैं?

प्रश्न -३) पाठ्य पुस्तक संबंधित प्रश्नोत्तर --:

क) कर्नेलिया कौन थी? उसने भारत की किन - किन विशेषताओं का वर्णन किया है?

ख) देवसेना का गीत कविता में देवसेना की किस विशेषता ने आपको प्रभावित किया? लिखिए।

ग) ' सरोज स्मृति ' कविता में एक पिता के रूप में कवि की किस मनोदशा का वर्णन हुआ है? लिखिए।

SUBJECT: ACCOUNTANCY

CHAPTER: ACCOUNTING FOR PARTNERSHIP FIRMS- FUNDAMENTAL

TOPIC: PROFIT AND LOSS APPROPRIATION/ PARTNERS CAPITAL ACCOUNT

Calculation of Appropriation Items and Charge Items

Q.1 Give the average period in months for charging interest on drawings for the same amount withdrawn in beginning of each quarter.

(Delhi Comptt.,2011)

Q.2. Kajal, Neerav and Alisha are partners in a firm sharing profit in the ratio of 3:2:1. They decided to admit Rajan, their landlord as partner in the firm. Rajan brought sufficient amount of capital and his share of goodwill premium. The accountant of the firm passed the entry of rent paid for the building to Rajan in 'Profit and Loss Appropriation Account', is he correct is doing so? Give reason in support of your answer. (CBSE 2015)

Q.3. A, B and C decided that interest on capital will be provided to each partner 5% p.a. But after one year, C wants that no interest on capital is to be provided to any partner. State how C can do this. (Delhi 2010)

Q.4. Anna and Bobby were partners sharing profits and losses in the ratio 5:3. On 1st April, 2014, their capital accounts showed balance of Rs. 3,00,000 and Rs. 2,00,000 respectively. Calculate the amount of profit to be distributed between the partners if the partnership deed provided for interest on capital @10% p.a. and the firm earned a profit of Rs. 45,000 for the year ended 31st March, 2015. (Outside Delhi Comptt., 2016)

Q.5. Kanika and Gautam are partners doing a dry cleaning business in Lucknow sharing profits in the ratio 2:1 with capitals Rs. 5,00,000 and Rs. 4,00,000 respectively.

Kanika withdrew the following amounts during the year to pay the hostel expenses of her son:

1 st April	10,000
1 st June	9,000
1 st November	14,000
1 st December	5,000

Gautam withdraw Rs. 15,000 on the first day of April, July, October and January to pay rent for the accommodation of his family. He also paid Rs. 20,000 per month as rent for the office of partnership which was in a nearby shopping complex.

Calculate Interest on Drawings @6% p.a. on 31st March, 2015.(SQP, 2015)

Q.6. Arun and Arora were partners in a firm sharing profits in the ratio of 5:3. Their fixed capitals on 1.4.2010 were: Arun Rs. 60,000 and Arora Rs. 80,000. They agreed to allow interest on capital @ 12% p.a. and to charge on drawings @ 15% p.a. The profit of the firm for the year ended 31.3.2011 before all above adjustments were Rs. 12,600. The drawings made by Arun were Rs. 2,000 and by Arora Rs. 4,000 during the year.

Prepare profit and Loss Appropriation A/c of Arun and Arora. Show your calculations clearly. The Interest on Capital will be allowed even if the firm incurs loss.(Delhi 2012)

Q.7. X, Y and Z are partners sharing profits and losses in the ratio of 3:2:1. After the final accounts have been prepared, it was discovered that interest on drawings @5% p.a. had not been taken into consideration. The drawings of the partners were: X- Rs. 15,000, Y- 12,000, Z Rs. 12,000. Give the necessary adjusting journal entry. (SQP, 2012)

Q.8. Karan Lokesh and Mihir entered into partnership on 1st January, 2011 to share profits in the ratio of 3:1:1. It was provided in the deed that Mihir's share of profit will not be less than Rs. 25,000 per annum and Karan will be allowed a salary of 10,000 per annum. The losses of the firm for the year ended 31st December 2011, were Rs. 1,00,000 before allowing salary to Karan.

Prepare profit and Loss Appropriation Account for the year ended 31st December,2011. (Delhi Comptt., 2012)

Q.9 Anil, Sunil and Ravinder entered into a partnership on 1st January 2011 to share profits in the ratio of 2:1:1. It was provided in the deed that Ravinder's share of profit will not be less than Rs. 70,000 per annum. The losses for the

year ended December 31st 2011 were Rs. 2,00,000 before allowing interest Rs. 8,000 on Anil's loan which is due for the current year.

Prepare profit and Loss Appropriation Account for the year ended 31st December,2011. (O.D. Delhi comppt.,2012)

Partners Capital Accounts

- Q.1. Distinguish between 'Fixed Capital Account' and fluctuating capital account on the basis of credit balance.(Outside Delhi 2017)
- Q.2. What is meant by 'Fluctuation Capital' of a Partner?(O.D. Comptt., 2016)
- Q.3. What is meant by 'Fixed Capital' of Partner?(Delhi Comptt., 2016)
- Q.4. Name the accounts which are maintained for fixed.(SQP 2015)
- Q.5. State any one difference between Fixed Capital Partners?(SQP 2015)

SOLVED NCERT BOOK/APP question no 01,02 and 10 to 26.

(NOTE : REFER TO STUDY MATERIAL Accounting for Partnership Firms - Fundamental)

Class - 12th Com - Economics

- 1- Explain the importance of Agriculture sector for the Indian Economy?
- 2- Discuss the problems that the five year plans were unable to address?
[Hint - Poverty, Inflation, Unemployment, Inadequate, Infrastructure, Rising inequalities]
- 3- Give the achievements of five year plans in India?
[Hint - Increase in National Income, Increase in per capita income, Institutional and technical changes in agriculture, Growth and diversification of Industry, Employment, International trade, economic and social infrastructure]
- 4 - What is Green revolution? Why was it implemented and how did it benefit the farmers? Explain.
- 5 - "While subsidies encourage farmers to use new technology, they are a huge burden on the government finance" .Discuss the usefulness of subsidies in the light of this fact ?
- 6 - Why was public sector given a leading role in industrial development during the planning period?
- 7 - Give the benefits and drawbacks of inward looking trade strategy?

- 8 - Explain the importance of industrial sector in the economy of a country?
- 9 - Explain how import substitution can protect domestic industry ?
- 10 - SSIs play an important role in the economy of our country. Discuss?

BUSINESS STUDIES - CLASS - XII

1. Explain the principles of scientific management given by Taylor.
2. Explain the technique of 'Functional Foremanship' and the concept of 'Mental Revolution' as enunciated by Taylor.
- 3 Explain Scientific Techniques given by Taylor.
4. Explain the following principles of management given by Fayol with examples.
 - a.Unity of direction.
 - b.Espirit de corps.
 - c.Equity.
 - d.Order.
 - e.Centralisation and Decentralisation.
 - f.Initiative.
5. Discuss the differences between the contributions of Taylor.
6. Discuss the relevance of Taylor and Fayol's contribution in the contemporary business environment.
7. Discuss the following techniques of scientific work study.
 - a.Time study.
 - b.Motion study.
 - c.Fatigue study.
 - d.Method study.
 - e.Simplification and Standardisation of work.
8. If an organisation does not provide the right place for physical and human resources in an organisation which principle is violated? What are the consequences of it?

*Note:- To answer the above questions do refer your N.C.E.R.T book and study material provided on our school web site.

Class : - 12 Subject :- Maths

Matrix :- A rectangular arrangement of the numbers or functions in the form of an ordered set of m rows and n columns is called a matrix.

Order of Matrix :- If a matrix has m rows and n columns then the order of the matrix is 'm x n'. Where m represents number of rows and n represents number of columns.

Example 1: Construct a 3 x 2 matrix whose elements are given by $a_{ij} = \frac{1}{2} |i - 3j|$.

Sol. The general form of 3 x 2 order matrix is

$$\begin{bmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \\ a_{31} & a_{32} \end{bmatrix} \text{ Now we have to find these values}$$

$$a_{11} = \frac{1}{2} |1 - 3 \cdot 1| = \frac{1}{2} |1 - 3| = \frac{2}{2} = 1$$

$$a_{12} = \frac{1}{2} |1 - 3 \cdot 2| = \frac{1}{2} |1 - 6| = \frac{5}{2} = 2.5$$

$$a_{21} = \frac{1}{2} |2 - 3 \cdot 1| = \frac{1}{2} |2 - 3| = \frac{1}{2} = 0.5$$

$$a_{22} = \frac{1}{2} |2 - 3 \cdot 2| = \frac{1}{2} |2 - 6| = \frac{4}{2} = 2$$

$$a_{31} = \frac{1}{2} |3 - 3 \cdot 1| = \frac{1}{2} |3 - 3| = 0$$

$$a_{32} = \frac{1}{2} |3 - 3 \cdot 2| = \frac{1}{2} |3 - 6| = \frac{3}{2} = 1.5$$

$$\Rightarrow \text{Matrix} = \begin{bmatrix} 1 & 2.5 \\ 0.5 & 2 \\ 0 & 1.5 \end{bmatrix}$$

Example 2 : Find the values of a, b, c and d from the following equations.

$$\begin{bmatrix} 2a + b & a - 2b \\ 5c - d & 4c + 3d \end{bmatrix} = \begin{bmatrix} 4 & -3 \\ 11 & 24 \end{bmatrix}$$

Sol. By equality of two matrices equating the corresponding elements, we get

$$2a + b = 4 \dots\dots (i) \quad a - 2b = -3 \dots\dots (ii)$$

$$5c - d = 11 \dots\dots (iii) \quad 4c + 3d = 24 \dots\dots (iv)$$

On solving (i) and (ii) we get a = 1 and b = 2

On solving (iii) and (iv) we get c = 3 and d = 4

Example 3 : If $A = \begin{bmatrix} 8 & 0 \\ 4 & -2 \\ 3 & 6 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & -2 \\ 4 & 2 \\ -5 & 1 \end{bmatrix}$, then find the matrix X such that $2A + 3X = 5B$.

Sol. We have $2A + 3X = 5B$

$$\text{Or } 2A + 3X - 2A = 5B - 2A$$

$$\text{Or } 2A - 2A + 3X = 5B - 2A$$

$$\text{Or } 0 + 3X = 5B - 2A$$

$$\text{Or } 3X = 5B - 2A$$

$$\text{Or } X = \frac{1}{3} (5B - 2A)$$

$$\text{Or } X = \frac{1}{3} \begin{bmatrix} 10 & -10 \\ 20 & 10 \\ -25 & 5 \end{bmatrix} + \left(\frac{-2}{3}\right) \begin{bmatrix} 8 & 0 \\ 4 & -2 \\ 3 & 6 \end{bmatrix} = \begin{bmatrix} \frac{10}{3} & -\frac{10}{3} \\ \frac{20}{3} & \frac{10}{3} \\ \frac{-25}{3} & \frac{5}{3} \end{bmatrix} + \begin{bmatrix} -\frac{16}{3} & 0 \\ -\frac{8}{3} & \frac{4}{3} \\ -2 & -4 \end{bmatrix}$$

$$\text{Or } X = \begin{bmatrix} -2 & -\frac{10}{3} \\ 4 & \frac{14}{3} \\ -\frac{31}{3} & -\frac{7}{3} \end{bmatrix}$$

Now solve the following questions :

1. If a matrix has 20 elements, what are the possible orders it can have ? What, if it has 11 elements.
2. If a matrix has 24 elements, what are the possible orders it can have? What, if it has 13 elements.
3. Construct a 3 x 2 matrix A , whose elements are given by :
(i) $a_{ij} = (i + 2j)^2 / 2$ (ii) $a_{ij} = (i + j)^2 / 2$

4. Construct a 3 x 4 matrix, whose elements are given by :
(i) $a_{ij} = 2i - j$ (ii) $a_{ij} = 2i - 3j$ (iii) $a_{ij} = (2i - 3j)^2 / 2$
5. Find the values of x , y , and z form the following equations :

(i) $\begin{bmatrix} x + y & 2 \\ 5 + z & xy \end{bmatrix} = \begin{bmatrix} 6 & 2 \\ 5 & 8 \end{bmatrix}$ (ii) $\begin{bmatrix} 2x + y & 4x \\ 5x - 7 & 4x \end{bmatrix} = \begin{bmatrix} 7 & 7y - 13 \\ y & x + 6 \end{bmatrix}$

6. For what values of x and y are the following matrices equal?

$$A = \begin{bmatrix} 2x + 2 & y \cdot y + 2 \\ 5 & y \cdot y - 5y \end{bmatrix} \quad B = \begin{bmatrix} x + 4 & 3y \\ 5 & -6 \end{bmatrix}$$

7. If $\begin{bmatrix} x + 3 & z + 4 & 2y - 7 \\ 4x + 6 & a - 1 & 0 \\ b - 3 & 3b & z + 2c \end{bmatrix} = \begin{bmatrix} 0 & 6 & 3y - 2 \\ 2x & -3 & 2c + 2 \\ 2b + 4 & -21 & 0 \end{bmatrix}$

Find the values of a, b, c, x, y, and z.

8. If a matrix has 16 elements, what are the possible orders it can have? What, if it has 5 elements?
9. Do Q. No. 1 of ex. 3.1.
10. Construct the 4 x 3 matrix whose elements are given by

$$a_{ij} = \frac{|i-j|}{2}$$

**Physical Education
Assignment No. 4**

- Q. 1- What is the concept of Disability and Disorder? Explain with example.
- Q. 2- Explain four types of Disabilities.
- Q. 3- What is Disability Etiquette?
- Q. 4- What is ODD? What are its symptoms and causes?
- Q. 5- What are the advantages of physical activities for children with special needs?
- Q. 6- What do you mean by Intellectual Disability?
- Q. 7- Give an example of cognitive disability.
- Q. 8- Explain the strategies to make physical activities accessible for children with special needs.