

EVERWIN MATRIC. HR. SEC. SCHOOL

07.08.19 T.T Accountancy Time: 45 Mins  
 STD: XI (F,G) Marks: 25

I. Choose the best answer:

5x1=5

1. Trial balance is prepared
  - a) At the end of the year
  - b) For a year
  - c) On a particular date
  - d) None of the above
2. A list which contains balances of accounts to know whether the debit and credit balances are matched is
  - a) Journal
  - b) Day book
  - c) Trial balance
  - d) Balance Sheet
3. Trial balance is a
  - a) Statement
  - b) Account
  - c) Ledger
  - d) Journal
4. The trial balances contains the balances of
  - a) only personal account
  - b) only real account
  - c) only nominal account
  - d) All accounts
5. The account which has a debit balance and is shown in the debit column of the trial balance is
  - a) Sundry creditors account
  - b) Bills payable account
  - c) Drawings account
  - d) Capital account

II. Answer the following questions:

6. What is trial balance? (2 Marks)

7. What are the objectives of preparing trial balance? (3 Marks)

III. Answer the following questions: 2x10=20

8. Capital	2,20,000	Repairs	2,400
Drawings	24,000	Office lighting	2,600
Furniture	63,500	Printing & stationery	2,700
Stock at the beginning	62,050	Bank loan	7,500
Bills Receivables	9,500	Computer	25,000
Bills payable	8,750	Debtors	46,500
Purchases	88,100	Cash in hand	15,000
Sales	1,35,450	Cash at bank	27,250
Discount allowed	7,100	General expenses	7,100
Discount received	3,500	Creditors	7,600

Prepare trial balance as on 31<sup>st</sup> Dec, 2017 from the balances of Balaraman.

9. From the following balances extracted from the books of Rajeshwari as on 31<sup>st</sup> March 2017. Prepare the trial balance.

Name of the account	₹
Cash at bank	28,000
Sundry debtors	59,600
Furniture and Fixtures	1,72,000
Office equipment	1,10,000
Adjusted purchases	2,80,000
Sales Returns	3,000
Closing Stock	15,000
Sales	2,36,000
Rent and Rates	4,000
Bank charges	400
Bad debts	4,000
Drawings	20,000
Insurance premium	4,000
Capital	3,00,000
Sundry creditors	64,000
Loan (cr)	1,00,000

07.08.19 T.T English Time: 45 Mins  
 STD: XI (E,H,I) Marks: 25

I. Choose the correct synonym from the options below: 5x1=5

- The conviction was that I could take on any boxer.  
 a) belief b) promise c) gain d) weary
- My medal haul continued after my marriage.  
 a) starving b) collection c) gain d) large
- Her medal haul putting an end to speculation among her family and friends.  
 a) guess b) good luck c) blank d) bestow

II. Choose the right antonym of the following underlined words from the options given below:

- I was selected in the 48kg category for the Association Incernation de Boxe Amateur.  
 a) professional b) leader c) eccentric d) lose
- I'd heard of how expensive things were in America.  
 a) cheap b) hateful c) desperate d) trivial

III. Answer the following: 5x3=15

- Why did Mary Kom think that she should not return empty-handed?
- What was her first impression of America?
- According to Mary Kom what was the reason for her losing in the finals?
- How was she felicitated on her return to India?
- What did she consider her greatest achievement? Why?

IV. Answer the following questions in a paragraph of about 100-150 words: 1x5=5

- Describe Mary Kom's personal experiences during her first International Championship Match from the time of selection to winning the medal.

07.08.19 T.T Physics Time: 45 Mins  
 STD: XI (C,D) Marks: 30

I. Choose the correct answer: 5x1=5

- Newton's second law valid only in \_\_\_\_\_.  
 a) non-inertial frame b) Z axis alone  
 c) inertial frame d) All the above
- Recoiling of gun is an example for \_\_\_\_\_.  
 a) Newton's first law b) Newton's second law  
 c) Newton's third law d) Law of gravitation
- The force acts at a common point is known as \_\_\_\_\_.  
 a) Coplanar b) frictional c) concurrent d) all the above
- When a car takes a sudden left turn in the curved road, passengers are pushed towards the right due to \_\_\_\_\_.  
 a) inertia of direction b) inertia of motion  
 c) inertia of rest d) absence of inertia
- Two masses  $m_1$  and  $m_2$  are experiencing the same force where  $m_1 < m_2$ . The ratio of their acceleration  $\frac{a_1}{a_2}$  is \_\_\_\_\_.  
 a) 1 b) less than 1 c) greater than 1 d) all the three

II. Answer any 3 of the following questions: 3x2=6

- Define one newton.
- Define the concept of inertia of direction with example.
- Draw the free body diagram for an particle moving in a inclined plane.
- If two objects of masses 2.5kg and 100kg experience the same force 5N, what is the acceleration experienced by each of them?

III. Answer the following questions: 3x3=9

- State and explain Lami's theorem.
- The position vector of a particle is given by  $\vec{r}=3t\hat{i}+5t^2\hat{j}+7t\hat{k}$  find the direction in which the particle experience net force?
- Apply newton's second law to a mango hanging from a tree. (Mass of the mango is 400 gm).

IV. Answer any 2 in detail: 2x5=10

- Explain the motion of blocks connected by a string in vertical motion.
- Briefly explain newton's three laws and their significance.
- Explain the motion of two bodies in contact on a horizontal surface.

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T.T Chemistry

Time: 45 Mins

STD: XI (A,B)

Marks: 30

I. Choose the correct answer:

5x1=5

1. The group of elements in which the differentiating electron enters the anti penultimate shell of atoms are called

- a) p-block elements      b) d-block elements  
c) s-block elements      d) f-block elements

2. What would be the IUPAC name for an element with atomic number 222?

- a) bibibium   b) bididium   c) didibium   d) bibibium

3. In a given shell the order of screening effect is

- a)  $s > p > d > f$    b)  $s > p > f > d$    c)  $f > d > p > s$    d)  $f > p > s > d$

4. Which of the following elements will have the highest electronegativity?

- a) Chlorine   b) Nitrogen   c) Cesium   d) Fluorine

5. There are \_\_\_\_\_ periods in the periodic table.

- a) 18      b) 7      c) 6      d) 5

II. Answer any 5 of the following questions:

5x2=10

6. Define modern periodic law.

7. Write the name and deduce the atomic number of the following

element : i) The second alkali metal   ii) The third noble gas

8. Define periodicity.

9. Write temporary name of atomic number: i) 106   ii) 112

10. Give expression for Moseley's work.

11. Write the anomalies of Mendeleev's periodic table.

III. Answer any 5 of the following questions:

5x3=15

12. Write Lavoisier classification.

13. Explain Dobereiner triad classification.

14. Discuss about Newland classification of elements.

15. Write about Chancourtois correlation between the properties of the elements.

16. A sample of gas has a volume of  $8.5\text{dm}^3$  at an unknown temperature. When the sample is submerged in ice water at  $0^\circ\text{C}$ , its volume gets reduced to  $6.37\text{dm}^3$ . What is the initial temperature?

17. Argon is an inert gas used in light bulbs to retard the vaporization of the tungsten filament. A certain light bulb containing argon at  $1.2\text{atm}$  and  $18^\circ\text{C}$  is heated to  $85^\circ\text{C}$  at constant volume. Calculate its final pressure in atm.

18. Write permanent name of the elements from atomic number (101-106).