WINTER BREAK ASSIGNMENT (2025-2026)
CLASS XI

ENGLISH CORE

1.Read **any one** novel:

- The Canterville Ghost – Oscar Wilde
- The Alchemist – Paulo Coelho
- Animal Farm – George Orwell

Write:

- A character sketch on any one of the character
- A personal reflection (120–150 words)

2. Write a speech on “The role of youth in nation building” in about 120 - 150 words .

3. Maintain a **vocabulary journal**:

- 15 new words (with meaning & sentence)
- 5 idioms or phrases
- 5 commonly confused words

4. Write an **imaginary interview** with your favourite poet or author.

5. Design a **book cover** for a novel you read.

6. Write a paragraph on: “What does success mean to me?”

PHYSICS

Topics-Kinetic Theory of gases,Waves and Oscillations

Q1- What are the two basic characteristics of an oscillating system? Also explain them.

Q2- Mention at least two basic conditions for the motion of a particle to be S.H.M.?

Q3- If two sound waves have a phase difference of 60°, then find out the path difference between the two waves?

Q4- If the displacement of two waves at a point is given by: -

$Y_1 = a \sin wt$
$Y_2 = an \sin (wt + \pi/2)$
Calculate the resultant amplitude?

Q5- A hospital uses an ultrasonic scanner to locate tumors in a tissue. What is the wavelength of sound in the tissue in which the speed of sound is 1.7 Km/s? The operating frequency of the scanner is 4.2 MHz.

Q6- If the splash is heard 4.23 seconds after a stone is dropped into a well. 78.4 meters deep, find the velocity of sound in air?

Q7- One mole of an idea mono atomic gas is mixed with one mole of ideal diatomic. What is the Gamma for the Mixture?

Q8- Find an expression for the pressure exerted by a gas and establish its relation with kinetic energy of the gas .

Q9 What is meant by degrees of freedom ? State the law of equipartition of energy. Hence calculate specific heats of mono, di and triatomic gases.

Q10- A simple Harmonic wave has the equation :

$Y = 0.30\sin(314t - 1.57x)$, where

t = sec, x = meters, y = cm. Find the frequency and wavelength of this wave.

Q11- The component waves producing a stationary wave have amplitude, Frequency, and velocity of 8 cm, 30 Hz and 180 cm/s respected. Write the equation of the stationary wave?

Q12- A string of mass 2.50kg is under a tension of 200 N. The length of the stretched string is 20.0 m. If the transverse jerk is struck at one end of the string, how long does the disturbance take to reach the other end?

Q13- Find the total energy of the particle executing SHM and show the various energies in graphical form.

Q14- Show and explain for particle in SHM, over a period of oscillation average kinetic energy is equal to average potential energy.

CHEMISTRY

1 Write the IUPAC name of the following

a) $CH_3CH=C(CH_3)_2$

b) $CH_3(CH_2)_4CHCH_2CH_3$
$CH_2CH(CH_3)_2$

c) $CH_3CH=CHCH_2CH_2C = CH$

d) $CH_3CH_2CH(Cl)CH_2CH(OH)CH_2COOH$

2 Write all the possible isomers of hexane with their names.

3 Arrange the following in the increasing order of stability and justify your answer.

a) $CH_3CH_2^+$, $(CH_3)_2CH^+$, CH_3^+, $(CH_3)_3C^+$

b) $CH3^\cdot$, $(CH_3)_3C^\cdot$, $(CH_3)_2CH^\cdot$, $CH_3CH_2^\cdot$

4 • Draw the resonance structures of C_6H_5OH, C_6H_5CHO

• Draw the hyper conjugative structures of 2-butene

5 Give a short note on the acidic character of alkyne.

6 Explain in brief

• Dumas method

• Carius method for Sulphur

7 Describe a method which can be used to separate two components with different solubilities in a solvent X.

8. Make Art integrated chemistry project on following topics:

1.Natural dyes (Roll number 1-12)

2.Medicinal Chemistry (Roll number 13-24)

3. Preparation of Paint Pigments (Roll number 25-36)

4.Analsyis of honey (Roll number 37-48)

5. Preparation of Aspirin (Roll number 49-56)

MATHEMATICS

Q1. Prove that $\frac{sin5x-2sin3x+sinx}{cos5x-\cos x}$ = tan x.

Q2. If y = sinx.cosx + $\frac{\sin x}{1+\cos x}$ + x^2 , then find $\frac{dy}{dx}$.

Q3. Two students Anil and Ashima appeared in an examination. The probability that Anil will qualify the examination is 0.05 and that Ashima will qualify the examination is 0.10. The probability that both will qualify the examination is 0.02. Find the probability that Both:

(a) Anil and Ashima will not qualify the examination,
(b) Atlast one of them will not qualify the examination,
(c) Only one of them will qualify the examination.

Q4. Anita is doing an experiment in which she has to arrange the alphabets of the word "HARYANA" in all possible orders and notes the observations. Help her to find the answers of the following:-

(i) Number of words starting with A.
(ii) Number of words starting with H.
(iii) Find the number of words, in which no two vowels occur Together.

Q5. Prepare a PPT on any one of the following topics.

(i) Trigonometric functions. (ii) Complex numbers.
(iii) Limit of a function (iv) Parabola (v) Ellipse

BIOLOGY

Q 1. Answer the following questions based on the equation given below:
$2H_2O$ ---→ $4H^+ + O_2 + 4e^-$

a) Where in plants does this occur?
b) What is the importance of this reaction?

Q 2. In a certain 'X' organism, a process is occurring throughout the day in which cells are participating. Water, ATP and carbon dioxide are evolved during the process and is not a light-dependent process.

a) Which process is discussed above?
b) Is the process a catabolic or anabolic process?
c) Write the raw material of this process.

Q 3. How does Krantz anatomy favour C4 plants?

Q 4. Where does cyclic photophosphorylation occur? Describe the process. Why is the process referred to as cyclic?

Q 5. What is the importance of F0-F1 particles in ATP production during aerobic respiration?

Q 6. What is the amphibolic pathway? Explain with reference to respiratory pathway.

Art Integration Activity

On plain A4 size sheets, Draw **neat, well-labelled diagrams** showing the stages of:

(a) Mitosis – Prophase, Metaphase, Anaphase, Telophase
(b) Meiosis –
• Meiosis I (Prophase I (all 5 stages), Metaphase I, Anaphase I, Telophase I)
• Meiosis II (Prophase II, Metaphase II, Anaphase II, Telophase II)

Write **one key event** for each stage.

COMPUTER SCIENCE

Note: Do all the question in Assignment Note Book

Q1 MULTIPLE CHOICE QUESTIONS:

(i) Find the invalid identifier from the following
a. none b. address c. Name d. pass

(ii) Consider a declaration L = (1, 'Python', '3.14').
Which of the following represents the data type of L?
a. list b. tuple c. dictionary d. string

(iii) Given a Tuple tup1= (10, 20, 30, 40, 50, 60, 70, 80, 90).
What will be the output of print (tup1 [3:7:2])?

a. (40,50,60,70,80) b. (40,50,60,70) c. [40,60] d. (40,60)

(iv) The return type of the input() function is
a. string b. integer c. list d. tuple

(v) Which of the following operator cannot be used with string data type?
a. + b. in c. * d. /

(vi) Consider a tuple tup1 = (10, 15, 25, and 30).
Identify the statement that will result in an error.
a. print(tup1[2]) b. tup1[2] = 20 c. print(min(tup1)) d. print(len(tup1))

(vii) Which one of the following is the default extension of a Python file?
a. .exe b. .p++ c. .py d. .p

(viii) Which of the following symbol is used in Python for single line comment?
a. / b. /* c. // d. #

(ix) Which of these about a dictionary is false?
a) The values of a dictionary can be accessed using keys
b) The keys of a dictionary can be accessed using values
c) Dictionaries aren't ordered
d) Dictionaries are mutable

(x) Identify the output of the following Python statements.
x = [[10.0, 11.0, 12.0],[13.0, 14.0, 15.0]]
y = x[1][2] print(y)
a. 12.0 b. 13.0 c. 14.0 d. 15.0

(xi) Identify the output of the following Python statements.
lst1 = [10, 15, 20, 25, 30]
lst1.insert(3, 4)

lst1.insert(2, 3)
print (lst1[-5])
a. 2 b. 3 c. 4 d. 20

(xii) Evaluate the following expression and identify the correct answer.
16 - (4 + 2) * 5 + 2**3 * 4
a. 54 b. 46 c. 18 d. 32

Q2 Which of the following is an invalid variable?
(a) My_day_2 (b) 2nd _day (c) Day_two (d) _2

Q3 Evaluate the expression given below if A=16 and B=15
(a) **A%B//A** (b) **(A%B)**A**

Q4 If L1=[1,2,3,2,1,2,4,2, . . .], and L2=[10,20,30, . . .], then write the
Answer using built in functions only

(i) Write a statement to find the frequency (occurrences) of 4 in L1.

(ii) Write a statement to sort the elements of list L1 in descending order

(iii) Write a statement to insert all the elements of L2 at the end of L1.

(iv) Write a statement to reverse the elements of list L2.

Q5 Programming section

(i) Write a Python function that displays all the words containing @cmail from a text

(ii) Write a python program to count total number of words present in a text.

Q6 Complete your Project & Practical file as per the CBSE guidelines.

Q7 Create Powerpoint Presentation on any one of the topic
Cyber security or Computer Organization or Number System

ARTIFICIAL INTELLIGENCE(843)

Note: Do all the questions in assignment notebook.

Q1 Multiple choice questions:

i. What is the full form of “AI”?
a) Artificially Intelligent b) Artificial Intelligence
c) Artificially Intelligence d) Advanced Intelligence

ii. What is Artificial Intelligence?
a) Artificial Intelligence is a field that aims to make humans more intelligent
b) Artificial Intelligence is a field that aims to improve the security
c) Artificial Intelligence is a field that aims to develop intelligent machines
d) Artificial Intelligence is a field that aims to mine the data

iii. Who is the inventor of Artificial Intelligence?
a) Geoffrey Hinton b) Andrew Ng
c) John McCarthy d) Jürgen Schmidhuber

iv. Which of the following is the branch of Artificial Intelligence?
a) Machine Learning b) Cyber forensics
c) Full-Stack Developer d) Network Design

v. What is the goal of Artificial Intelligence?
a) To solve artificial problems
b) To extract scientific causes
c) To explain various sorts of intelligence
d) To solve real-world problems

vi. Which of the following is an application of Artificial Intelligence?
a) It helps to exploit vulnerabilities to secure the firm
b) Language understanding and problem-solving (Text analytics and NLP)
c) Easy to create a website
d) It helps to deploy applications on the cloud

vii. In how many categories process of Artificial Intelligence is categorized?
a) categorized into 5 categories
b) processes are categorized based on the input provided
c) categorized into 3 categories
d) process is not categorized

viii. Based on which of the following parameter Artificial Intelligence is categorized?
a) Based on functionally only
b) Based on capabilities only
c) Based on capabilities and functionally
d) It is not categorized

ix. Which of the following is a component of Artificial Intelligence?
a) Learning
b) Training
c) Designing
d) Puzzling

x. What is the function of an Artificial Intelligence "Agent"?
a) Mapping of goal sequence to an action
b) Work without the direct interference of the people
c) Mapping of precept sequence to an action
d) Mapping of environment sequence to an action

xi. Read the examples given below
i. Using Chat GPT to write an email
ii. Face unlock technology of mobile phones using camera
iii. Turning off lights with IoT device
iv. Hand sanitizer dispenser having sensor
Choose the options that are not AI
(a) i and ii (b) iii and i (c) iii and iv (d) i, iii and iv

xii Aditi, a student of class XII developed a chatbot that clarifies the doubts of Economics students. She trained the software with lots of data sets catering to all difficulty levels. If any student would type or ask questions related to Economics, the software would give an instant reply. Identify the domain of AI in the given scenario.

(a) Computer Vision
(b) Data Science
(c) Natural Language Processing
(d) None of these

Q2 Competency Based Questions :

a) All of us use smartphones. When we install a new app, it asks us for several permissions to access our phone's data in different ways. Why do apps collect such data?

b) Your grandmother watches you use AI applications. She wants to understand more about it. Help her understand the term artificial intelligence by giving the right definition and explain to her with an example how machines become artificially intelligent.

c) Identify and explain the types of the learning – based approaches in the figures given

below.

Figure 1

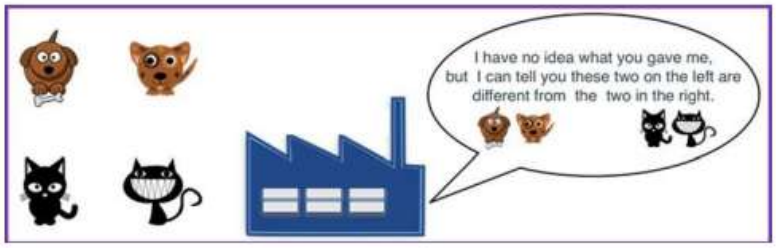

Figure 2

Q3 Create a PowerPoint presentation on any one topic

- Artificial Intelligence in our everyday life.
- Use of Artificial Intelligence in Education

PSYCHOLOGY

Q1. The minimum intensity of a stimulus required to produce a sensation is known as:

A. Differential threshold B. Absolute threshold

C. Weber fraction D. Sensory adaptation

Q2. The principle that objects similar in colour, shape or size tend to be perceived as belonging together is

called:

A. Proximity B. Similarity C. Closure D. Continuity

Q3.A reversible figure, such as the “face–vase” illusion, primarily demonstrates:

A. Depth perception B. Perceptual constancy

C. Figure–ground segregation D. Motion parallax

Assertion and Reason questions. Options:

A. Both A and R are true, and R is the correct explanation of A

B. Both A and R are true, but R is not the correct explanation of A

C. A is true, but R is false

D. A is false, but R is true

Q4.Assertion (A): Learning is a relatively permanent change in behaviour.

Reason (R): Learning occurs only through direct experience.

Q5.Assertion (A): Operant conditioning focuses on consequences of behaviour.

Reason (R): Reinforcement increases the likelihood of a behaviour.

Q6.Assertion (A): Insight learning involves sudden understanding of a solution.

Reason (R): Insight learning occurs without trial and error behaviour.

Q7.Assertion (A): Negative reinforcement reduces the probability of a behaviour.

Reason (R): Negative reinforcement involves removal of an aversive stimulus.

Q8. A student gets anxious whenever he sees a math textbook because earlier he had repeatedly failed

math tests, creating fear and stress. The anxiety towards the math textbook is an example of:

A. Conditioned Response B. Unconditioned Stimulus

C. Operant behaviour D. Neutral Response

Q9.A child is afraid of dogs after being bitten by a stray dog. Later, the child also becomes afraid of cats,

goats, and even stuffed toy animals. The child's fear of similar animals represents:

A. Extinction B. Generalisation C. Discrimination D. Insight learning

The students are required to conduct two experiments. The experiments will be from the chapter Learning and Human Memory.

Experiment1- AIM- To assess how people organize information in their memory.

Experiment-2 AIM- To assess the attention span of the participant.

Art-integrated activity for Psychology project on the following topics:

- ❖ Mental health and wellbeing
- ❖ Anger management
- ❖ Changing Gender roles and stereotypes
- ❖ Peer Pressure
- ❖ Cooperation and Competition
- ❖ Impact of social media on the youth today

PHYSICAL EDUCATION

*****Record File shall include:**

➢ Practical-1: Fitness tests administration. (SAI Khelo India Test)

➢ Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.

➢ Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also, mention its Rules, Terminologies & Skills.

The lab manual must include three compulsory practicals:

- **Practical-1: Fitness Test Administration (SAI Khelo India Test)** This involves documenting the administration, procedure, and scoring for specific fitness tests relevant to the 9-18 age group/Class 4-12. These tests cover Body Composition (BMI), speed, cardiovascular

endurance (600m Run/Walk), flexibility (Sit and Reach), and strength (Partial Abdominal Curl Ups, Push-Ups/Modified Push-Ups). The documentation should include the test name, purpose, equipment, procedure, and scoring, ideally with visual aids.

- **Practical-2: Yogic Practices** This focuses on yoga for preventing lifestyle diseases. For specific conditions like Obesity, Diabetes, Asthma, Hypertension, and Back Pain/Arthritis, students need to document the procedure, benefits, and contraindications for two asanas per condition. Including pictures or drawings of each asana is recommended.
- **Practical-3: Proficiency in Games and Sports** Students select one IOA recognized sport/game (e.g., Badminton, Basketball, Football) and document a labeled diagram of the field/court and equipment, rules and terminologies, and fundamental skills.

The practical file should be well-organized with a cover page, certificate, acknowledgment, index, the documented practicals, and a bibliography. Neatness and authenticity are important, along with relevant photographs or illustrations.

- **USE BLACK COLOUR COVER PAGE**

PROJECT WORK:- THE ART OF ATHLETICS

Instructions:

- Select any 5 athletic events (track or field).
- Represent each event using art forms such as drawing, painting, poster making, folk art, clay model, or digital art.
- Each artwork must show correct posture, movement, and equipment.

Written Work (with each artwork):

- Name of the event
- Basic rules
- Technique involved
- Major muscles used
- Importance for physical fitness

Presentation:

- Submit in a project file.
- Work should be neat, labeled, and colored.

ASSIGNMENT QUESTIONS

1. What is the difference between growth and development .
2. Why is adolescent are trouble some period in human growth.
3. Write down the four management of adolescent.

4. Describe the development characteristics during early childhood.

PAINTING

Prepare Practical sheets on the following topics

1. **2 sheets - still life**
2. **2 sheets - Object competition**
3. **2 sheets - Vegetables painting**
4. **2 sheets - fruit painting**
5. **2 sheets- Flowers painting**

BUSINESS STUDIES

Do all questions in Assignment Notebook

Q 1 Application for approval of name of a company is to be made to:

a) SEBI

b) (b) Registrar of Companies.

c) Government of India.

d) Government of the state in which company is to be registered.

Q 2 **Assertion (A):** Countries exchange their surplus production with goods that they are in short supply with other countries.

Reason (R): All the countries cannot produce equally well due to uneven distribution of natural resources.

(a) Both Assertion (A) and Reason (R) are True and Reason (R) is the correct explanation of Assertion (A).

(b) Both Assertion (A) and Reason (R) are True and Reason (R) is not the correct explanation of Assertion (A).

(c) Assertion(A)is True but Reason(R)is False.

(D) Assertion(A) is False but Reason (R)is True.

Q 3 **Assertion (A):** Departmental Undertaking is most suitable when national security is concerned.

Reason (R): Departmental Undertaking is established under a special Act of the Parliament.

(a) Both Assertion (A) and Reason (R) are True and Reason (R) is the correct explanation of Assertion(A).

(b) Both Assertion (A) and Reason (R) are True and Reason (R) is not the correct explanation of Assertion (A).

(c) Assertion(A)is True but Reason(R)is False.
(d)Assertion(A) is False but Reason (R)is True.

Q 4 Suppose Akash is a shareholder in a company holding 200 shares of Rs:10 each on which he has already paid Rs:6 per share. In the event of losses or company's failure to pay debts, Akash is liable to pay:

(a) Rs: 2,000 (b) Rs: 1,200 (c) Rs 800 (d)Rs.3,200

Q 5 Endless Robotics was started in 2016 with the vision of making intelligent robots that can be used by people, businesses, industries and governments across the world to solve problems that directly or indirectly impact quality of human resources, capital, environment and global lifestyles. This company is working towards innovation, development or comercialisation of processes driven by technology. This company drive and integrate advances in robotics, computer vision, mechanism design and material sciences to build systems, products, solutions and services that revolutionize everyday life for people across the world. On the basis of the given information about Endless Robotics, answer the following questions:

(a)State the meaning of enterprise established under the flag ship initiative of the Government of India.

(b) Also state some of its main objectives.

Q 6 Rishi, a brilliant student, lives in a remote district of Orissa and has done mechanical engineering. He has won a lottery of Rs.10 lakhs. He wants to invest this money in some business opportunity. One of his friends suggested him to form a company. So, he decided to manufacture tube lights and bulbs in his manufacturing unit and give jobs to unemployed youth in his village area. He has identified the business opportunity but is unaware about the other functions to be performed by him as a promoter of the company,

A Quoting the lines explain the step that already has been performed by Rishi in the above case. ,

B Explain other five steps to be performed by him as a Promoter of the company

Q 7 Tania and Suraj are qualified chartered accountant and lawyer respectively. They joined hands to form a consultancy firm. They entered into a written agreement which specifies term and conditions that will govern their business. They also got their business registered. Their professional attitude helped them in gaining success within a limited time.

i) Which form of business organization is referred in the above case?
ii) What is the written agreement between Tania and Suraj known as? List any two content of it.
iii) Give any two consequences of non-registration of the above business organization.

Prepare an Art integrated project as per CBSE guidelines.

ECONOMICS

❖ Do all the questions in an assignment notebook

Q.1 Read the following statements: Assertion and Reason. Choose one of the correct alternatives given below:

Assertion (A): Contraction in Supply leads to downward movement along the supply curve.

Reason (R) : Downward movement along the same supply curve occurs due to an increase in price of the commodity , other factors remaining constant.

Alternatives:

a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).

b) Both Assertion (A) and Reason (R) are true and Reason is not the correct explanation of Assertion (A).

c) Assertion (A) is true but Reason (R) is false

d) Assertion (A) is false but Reason (R) is true.

Q.2 A firm is a price taker under:

a. Perfect Competition
b. Oligopoly
c. Monopolistic Competition
d. Monopoly

Q.3 The correlation between ages of husbands and wives is :

a. Positive
b. Negative
c. Zero
d. None of these

Q.4 Read the following article and answer Questions (i) – (iv) on the basis of the same:

Price Floors are usually the least/minimum prices which are determined by the government for some of the products and services which they believe can create a problem in the economy by selling them at the unfair market with excessive low prices. Price Floors takes place when the prices set by the government exceed equilibrium prices as such determination do not give any effect market even if they set less than clearing

prices of the market.

a. Price Floor is used by the Government in interest of _____ (Consumers/ Producers).
b. "Minimum wage legalisation" is an example of _____(Price Floor/ Price Ceiling).
c. There is excess _____(Supply/ Demand) in case of Price Floor.
d. In case of Price Floor, price is set at a level _____(Higher/ Lower) than the market determined price for these goods.

Q.5 A producer supplies 200 units of a good at Rs.10 per unit. Price elasticity of supply is 2. How many units will the producer supply at Rs.11.

Q.6 Market for a good is in equilibrium. There is simultaneous "increase" both in demand and supply of the good. Explain its effect on market price.

Q.7 Calculate Mode of the following series , using grouping method:

Size	40	44	48	52	56	60	64	68	72	76
Frequency	10	12	14	20	15	20	18	10	8	4

Q.8 If Mode is 63 and median is 77 , calculate arithmetic mean

❖ **Complete your project work as discussed in class.**

ACCOUNTANCY

FINANCIAL STATEMENTS WITH ADJUSTMENT

1. Extract of Trial Balance as on 31st March, 2023:

	Amt. (₹)	**Amt. (₹)**
Debtors (including Mohan for dishonoured bill of ₹ 1,000)	60,000	------
Bad Debts	3,000	------

Adjustments:

(i) Half of Mohan's bill is irrecoverable.
(ii) Create a provision of 5% on Debtors.

2. Show the effect on Profit & Loss Account and Balance sheet for the following:
(a) Extract of Trail Balance as on 31st March, 2023:

	Amt. (₹)	**Amt. (₹)**
Debtors	80,000	------
Bad Debts	2,000	------
Provision for Doubtful debts	------	5,000
Discount received	------	2,500

Adjustments:

(i) Write off further Bad Debts ₹ 500.
(ii) Provision for Doubtful debts is to be maintained at 3% on Debtors.
(iii) Discount on Debtors is 2%.

3. From the following figures prepare Trading and Profit and Loss Account for the year ended 31st March, 2023 and a Balance Sheet as on that date:

	Amt. (₹)
Opening Stock	36,600
Purchases	1,86,000
Sales	3,05,000
Sales return	5,000
Wages	22,000
Carriage	4,200
Bad debts	700
Bad debts provision	2,100
Sundry debtors	40,400
Sundry creditors	25,700
Furniture	8,000
Plant and machinery	50,000
Salaries	11,000
Advertisement	4,400
Goodwill	6,000
Freight	6,300
Commission (Cr.)	1,000
Capital	86,800
Drawing	15,000
Investments	14,000
Cash	8,000
Rent and Insurance	3,000

Adjustments:

(a) Stock on 31st march 2020 was ₹ 31,500

(b) Salary and wages for March 2023 were unpaid.

(c) Rent outstanding amounted to ₹ 600 and insurance unexpired amounted to ₹ 400.

(d) Commission amounting to ₹ 200 has been received in advance.

(e) Write off ₹ 400 as bad debts, create provision for doubtful debts at 5% on Sundry debtors &provide 2% provision for discount on debtors and creditors.

(f) Depreciate furniture and plant and machinery by 10%.

(GP ₹ 3, 31,500; NP ₹ 48,554; B/S ₹ 1, 49,340)

4. Following is the Trial Balance of Rama & Co. for the year ending 31st December 2022.Prepare Trading and Profit and Loss Account and Balance Sheet:

Name of Account	Dr. Balance (₹)	Cr. Balance (₹)
Drawing and Capital	4,000	23,000
Furniture	8,000	----
Apprentice Premium	----	1,000
Machinery	20,000	----
Bad debts	350	----
Provision for bad debts	----	500
Sundry debtors and Creditors	8,200	5,000
Stock on January 1, 2022	7,400	----
Purchases and sales	75,000	1,05,000
Bank overdraft	----	2,600
Sales return and purchase returns	500	400
Advertisement	2,400	----
Interest	200	----
Commission	----	400
Cash in hand	1,650	----
Taxes and Insurance	3,200	----
Carriage and Freight	1,500	----
Salaries	5,500	----

Adjustments:

The following adjustments are to be made:

(i) Stock in hand on 31st December 2022 was value ₹ 8,250.
(ii) Salary is paid at ₹ 500 for month.
(iii) Tax outstanding ₹ 300 and insurance is prepaid ₹ 400.
(iv) Write off furniture bad debts ₹ 200 and create provision for bad debts on debtors at 5%.
(v) Apprentice Premium ₹ 300 is related to 2023.
(vi) Commission Accrued ₹ 100.

(G.P. ₹ 29,250; NP ₹ 18,300 and B/S ₹ 46,000)

5. The following is the Trial Balance of Sh. Anil Kumar on 31st March 2023. You are required toprepare the final Accounts after giving effects to the adjustments.

Debit Balance	Amt. (₹)	Credit Balance	Amt. (₹)
Sundry Debtors	1,45,000	Sundry Creditors	63,000
Drawings	52,450	Capital A/c	7,10,000
Insurance	6,000	Return Outward	5,000
General Expenses	30,000	Sales	9,87,800
Salaries	1,50,000		
Patents	75,000		
Machinery	2,00,000		
Freehold Land	1,00,000		
Building	3,00,000		
Stock (1st April, 2022)	57,600		

Cash at Bank	26,300		
Carriage on Purchases	20,400		
Carriage on Sales	32,000		
Fuel & Power	47,300		
Wages	1,04,800		
Return Inwards	6,800		
Purchases	4,06,750		
Cash in Hand	5,400		
	17,65,800		**17,65,800**

Adjustments:

(a) Stock on 31st March 2023 was valued at ₹ 68,000.
(b) A Provision for Bad & Doubtful Debts is to be made to the extent of 5% on Sundry Debtors.
(c) Depreciate Machinery by 10%; Patents by 20% & Building by 5%.
(d) Wages include a sum of ₹ 20,000 spent on construction of a cycle shed.
(e) Salaries for the month of February and March 2023 were not paid.
(f) Insurance includes a premium of ₹ 1,700 on a policy expiring on 30th Sep. 2023.

Q6. Prepare Power Point power presentation on Basic Accounting terminology