

DON BOSCO ACADEMYDIGHA, PATNA
Summer Assignment Class 7

English

English Literature:

1. Read Chapters 1 to 4 thoroughly.
2. Learn the word meanings and question-answers from these chapters.
3. Read Chapters 1 to 11 of the novel Jane Eyre and write the question-answers in a notebook.

English Grammar:

1. Revise all the topics covered in class so far and practise related exercises.
2. Learn the prepositions prescribed for Term 1.

Writers' corner:

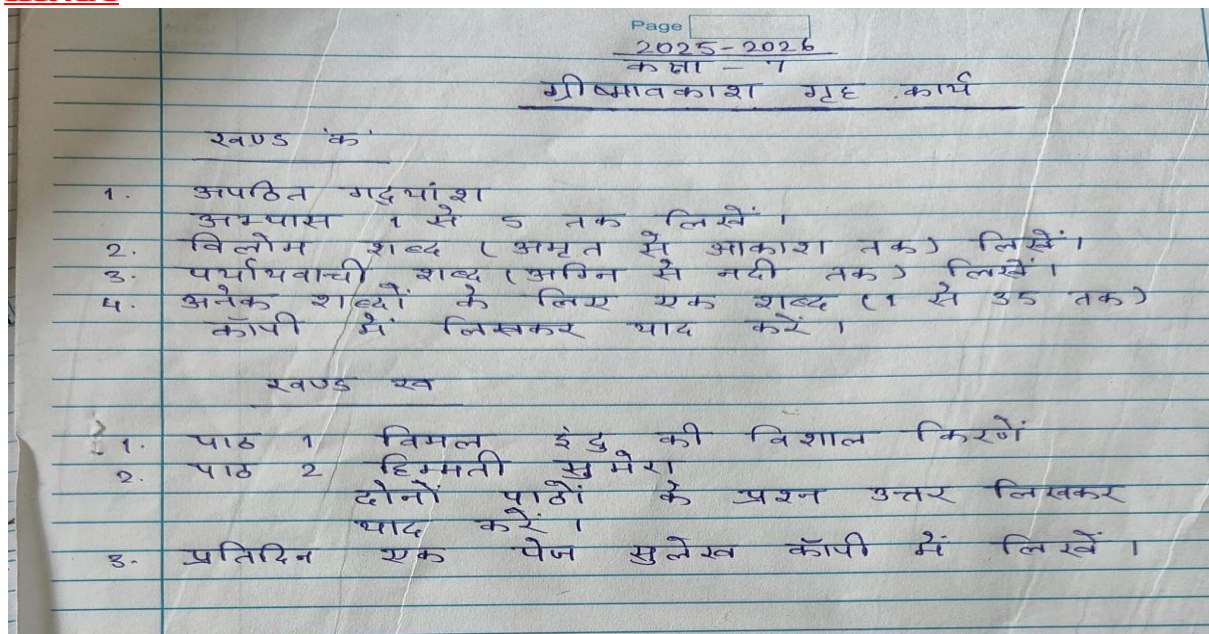
1. Write a daily journal every night, describing your day-to-day activities. You may use a small diary for this purpose.
2. Read the newspaper daily. Note down 5 new words you come across each day, along with their meanings. Compile them in the form of a

Personal Dictionary.

My Creative Side:

1. Make five bookmarks with inspiring quotes. Decorate the bookmarks creatively using old/recycled materials found at home.
2. Create an original cover page for *Jane Eyre* by Charlotte Bronte on an A4 sheet. Include:
 - The **title**, **author's name**, and **publication**
 - **Main characters** through drawings or illustrationsMake it creative and different from the cover page of the prescribed novel.

HINDI



PHYSICS

Please do the following homework in your Physics copy.

1. Draw the diagram of a physical balance and state its uses.
2. Draw the diagram of a spring balance and state its working.
3. How you will determine the density of an irregular solid. Explain with the help of a diagram.

4. Draw the diagram of a simple Pendulum and mark
 a) Mean position
 b) Extreme position
 c) Point of Suspension
 d) Length of the Pendulum
5. Make 5 MCQs from ch-1&2.
 Prepare for a test after Holiday.

CHEMISTRY

Common Name Chemical Name & Formula (To be learnt)

Sl. No	Common Name	Chemical Name	Formula
1	Common salt/ Table salt/ rock salt	Sodium chloride	NaCl
2	Baking Soda	Sodium hydrogen carbonate or sodium bicarbonate	NaHCO ₃
3	Washing Soda	Sodium Carbonate decahydrate or Hydrated Sodium carbonate	Na ₂ CO ₃ .10H ₂ O
4	Marble or Lime stone or chalk	Calcium Carbonate	CaCO ₃
5	Sand	Silica	SiO ₂
6	Quick Lime	Calcium oxide	CaO
7	Slaked lime	Calcium hydroxide	Ca(OH) ₂
8	Blue Vitriol	Copper Sulphate pentahydrate or hydrated Copper sulphate	CuSO ₄ .5H ₂ O
9	Caustic Soda	Sodium hydroxide	NaOH
10	Caustic Potash	Potassium hydroxide	KOH
11	Vinegar	Acetic Acid	CH ₃ COOH
12	Dry Ice	Solid Carbon dioxide	CO ₂
13	Laughing Gas	Nitrous Oxide	N ₂ O
14	Nitre	Potassium nitrate	KNO ₃
15	Gypsum	Calcium Sulphate dihydrate or Hydrated Calcium Sulphate	CaSO ₄ .2H ₂ O
16	Plaster of Paris	Calcium sulphate hemihydrate or Hydrated Calcium Sulphate	CaSO ₄ . ½ H ₂ O
17	Alumina	Aluminium Oxide	Al ₂ O ₃
18	Rust	Hydrated Iron(III) oxide or Hydrated Ferric Oxide	Fe ₂ O ₃ . x H ₂ O
19	Bleaching Powder	Calcium oxychloride	CaOCl ₂
20	Green Vitriol	Ferrous sulphate heptahydrate or Hydrated ferrous sulphate	FeSO ₄ .7H ₂ O
21	Muriatic Acid	Hydrochloric Acid	HCl
22	Aqua fortis	Concentrated Nitric Acid	HNO ₃
23	Brim Stone	Sulphur	S
24	Zinc blende	Zinc Sulphide	ZnS
25	Marsh Gas	Methane	CH ₄

1. Write Questions and answers of Chapter 1.
2. Write the formula list in your notebook.
3. Learn all the questions and answers given till now.
4. Learn the formula list given above.

BIOLOGY

1. GIVE REASONS FOR THE FOLLOWING STATEMENTS. (Find and write)

- a. Xylem cells are basically non-living.

- b. Parenchyma has no intercellular spaces.
- c. Muscle cells are contractile.
- d. The cells are the fundamental unit of life.
- e. Permanent tissues are specialised.
- f. Meristematic tissues are responsible for growth.
- g. Vascular bundles are conducting tissues.
- j. Chloroplast carries out photosynthesis.
- i. Vacuoles are absent in meristematic tissue.

2. a. Make a table and write the example and function for the following cell shape:

- | | | |
|--------------|-------------|--------------|
| a. biconcave | b. Amoeboid | c. Elongated |
|--------------|-------------|--------------|

b. Make a table and write location and functions for the following:

- | | | |
|----------------|---------------------|------------------|
| 1. Centrosome | 5. Ribosomes | 9. Dictyosomes |
| 2. Nucleus | 6. Nucleolus | 10. Chromoplasts |
| 3. Chloroplast | 7. Chromatin fibres | |
| 4. Cell wall | 8. Tonoplast | |

3. Draw all the diagrams of chapters on cell and plant tissues in your biology exercise notebook.

All the diagrams should be neatly labelled with a pencil.

4. Revise and learn all the notes and question answers of the above chapters and prepare for the unit test.

HISTORY / CIVICS

Write the answers of the following questions in your fair notebook.

HISTORY

Chapter 1 – The Birth of Christianity

1. What did Jesus teach about forgiving others?
2. What was the main cause of the Crusades?
3. What were the effects of the Crusades on Europe?
4. Name two important movements during the medieval period in India.
5. What role did Apostle Paul play in spreading Christianity?
6. Why is the cross considered a holy symbol by the Christians?
7. Where are the life and teachings of Jesus Christ recorded?
8. Who gave the order for Jesus's arrest? On what day was his crucifixion carried out?
9. What role did monasteries play during the medieval period?
10. Which event marked the beginning of the rise of Christianity?

Chapter 2 – Rise and Spread of Islam

1. What were the pre-Islamic conditions in Arabia before the birth of Islam? Explain.
2. How did the city of Mecca come into existence?
3. Mention any five teachings of Prophet Mohammad.
4. Explain the five pillars of Islam.
5. Write any five contributions of Islam.
6. What is the Divine Revelation according to Islam?
7. What is Hijrah? Explain.
8. What does the term 'Islam' mean?
9. How did Caliphate begin? Mention all four Khalifas and their relation with Prophet Mohammad.
10. What do you know about Umayyad Caliphate? Explain.

CIVICS

Chapter 1 – The Making of our Constitution

1. Create a decorative and neat written version of the Preamble to the Constitution of India.
 - Highlight key words: Justice, Liberty, Equality, Fraternity
 - Present it in a visually appealing format.
2. Write the components of the Preamble.
3. Explain the following terms:

a) Constitution	f) Democratic	k) Justice
b) Supreme law	g) Preamble	l) Equality
c) Amendment	h) Fraternity	m) Liberty
d) Sovereign	i) Republic	
e) Secular	j) Socialist	
4. Give the significance of the date: the adoption and enactment of the Constitution.
5. What is the Constituent Assembly?

Write names of four eminent leaders of the Constituent Assembly.

Note- Learn the Question Answers of History - Chapter-1&2 and Civics -Chapter-1 given at the back of the chapter.

GEOGRAPHY

Complete these questions in your practical Geography notebook. All questions are compulsory.

Q.1 What are some potential impacts of climate change on global food production?

Q.2 How can individuals contribute to reducing air pollution and protecting the atmosphere?

Q.3 Draw and label a diagram of the earth's atmospheric layers, explaining the characteristics of each layer.

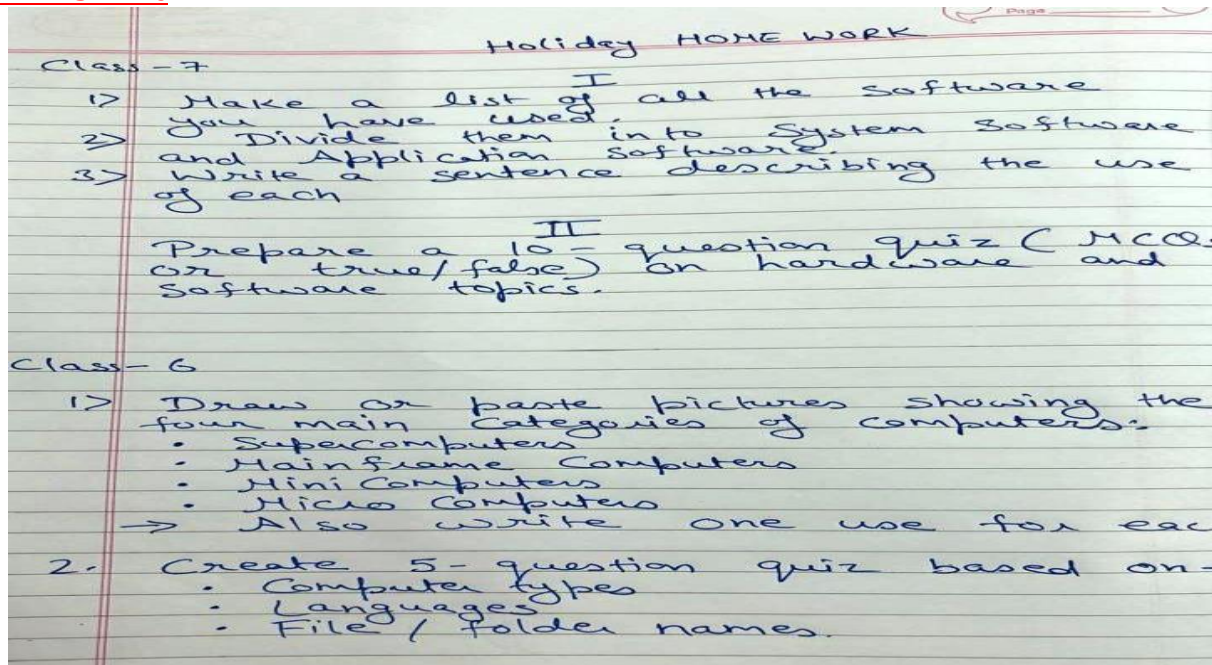
* Learn all the chapters in the syllabus for the 1st Unit Test.

MATHS

Please do the holiday homework in your Maths fair copy number 1.

1. Write the tables from 11 to 20.
2. Write the squares of numbers 2 to 20.
3. Write the cube of numbers from 2 to 20.
4. Make 5 MCQs from all the portion of the Unit Test 1.
5. Revise chapters coming for the Unit Test 1.

COMPUTER



SANSKRIT

All shabd roop and dhatu roop from your syllabus write in your copy and learn it.

