<u>**Subject – English**</u>

SECTION A – READING

Q.1 Read the following passage carefully.

1   The act of gardening goes back thousands of years. If gardens are beautiful to look at, imagine the pride and sense of accomplishment that the creator of such beauty can feel.

2   Numerous studies have been undertaken which show that gardening offers many health-related benefits. The most obvious benefit of gardening is that it can be a great way to relieve stress. Work, family commitments, and social engagements are just some of the things that take up chunks of peoples' lives. Planning the garden and then caring for the garden offers the gardener a simple and inexpensive way to unwind and relax. Gardening can help a person clear the mind.

3   Another health-related benefit of gardening is that when people tend to their gardens, they are getting exercise. Even an activity as simple as gardening can contribute towards weight loss. Gardening gets a person outdoors, exposed to natural air, and refocused on a pleasant activity.

4   Gardening also offers nutritional benefits to those who choose to plant a vegetable garden. Creating a vegetable garden is a way of ensuring that there is a continuous supply of fresh vegetables to consume. Vegetable gardeners know exactly where their produce is coming from and they also know exactly what chemicals were used to grow the produce. Eating more vegetables, and especially home-grown vegetables, is a simple way to ensure that a body is getting a proper balance of vitamins and nutrients.

5   And finally, some studies even report that people who are exposed to gardens and gardening recover more quickly from illnesses. It seems that for many people, gardening is just what the doctor ordered.

6   Gardening can be a creative experience as well. It's one thing to throw some seeds down and then wait to see what grows. While gardening does not require that the participant have a degree in landscape architecture, a bit of planning will go a long way towards enhancing the beauty and the gardening experience overall.

7   And finally, the act of gardening teaches people the art of being patient. Unlike other activities, gardening does not produce instantaneous results. As such, a person who takes up gardening must wait for their rewards. Cut the flowers and vegetables, bring them inside and enjoy the sense of accomplishment that is gained from the benefit-rich activity called gardening!

1.1 On the basis of your reading of the above passage, answer the following questions: (1x4=4)
   a)   What are the two most important health-related benefits of gardening?
   b)   How does gardening help a person clear his or her mind?
   c)   When does a person know about the chemicals used to grow vegetables he or she eats?
   d)   Which human quality is enhanced through gardening?

1.2 Find a word from the passage which means the same as 'occurring with no delay'.   **(1)**

SECTION B- WRITING

Q2. Write a bio-sketch on the basis of the information given below: **(2)**

Name: Subhash Chandra Bose; Netaji

Contribution: immense, Freedom Fighter

Born: January 23, 1897 in Cuttack, Orissa.

Career: Civil Services

Achievements: Joined struggle; established Indian National Army

Motto: Give me blood and I will give you freedom

Setback: Retreat after the defeat of Japan and Germany.

Death: Air crash over Taipei, Taiwan (Formosa) on August 18, 1945

SECTION C- GRAMMAR

Q3. Read the conversation given below and complete the statements in reported speech.

(1x2=2)

Deepa: Did you watch the musical concert yesterday?

Arun: No, I was at my aunt's house yesterday.

Deepa asked Arun a)_____. Arun replied that b)_____ the previous day**.**

Q4. The following passage has not been edited. There is an error in each line against which a blank is given. Identify the incorrect word and write the correct word in your answer sheet. (½x4=2)

	Incorrect	Correct
During an auspicious and special occasion banana plant, a)	_____	_____
along with fruit and flower is tied with the entrance. b)	_____	_____
This plant is a symbol of completeness and a prosperous c)	_____	_____
family. From the point of nutritions, banana is rich in d)	_____	_____
fibre and potassium.		

Q5. Complete the following with suitable words: **(¼x4=2)**

Agnes Bojakhiu was born in Skopje, Yugoslavia of Albanian parents. Her father was a)____prosperous merchant. She was attracted b)____ the life of missionary in India at a very early age. At eighteen, taking the name of Teresa in the memory of Little Flower c)____ Lisieux, she entered the Missionary Order of the Loreto Sisters and d)____ January 20, 1931, she stepped off a steamship onto the quay at Calcutta, then the largest city in the Empire after London.

SECTION D - LITERATURE

Q6. Read the following passage and answer the following questions:

'Today Tommy found a real book.'

a. Who found the real book? Where did he find the book?   (1)

b. Describe the real book.   (1)

Q7. Why was it difficult for Margie to believe that one could write about school?   (2)

Q8. Where did Bismillah Khan usually sing at the age of five? How was he

rewarded?   (2)

Q9. What is the theme of the poem The Road Not Taken?   (3)

Q10. What made Margie think that 'they' had fun in their school?   (3)

प्रश्न 1   'प्रकृति की रक्षा मानव की सुरक्षा ' पर दिए गए संकेत बिंदुओं के आधार पर अनुच्छेद लिखिए। (5x1=5)

संकेत बिंदु ः   मनुष्य प्रकृति का अंग ,   स्वास्थ्य वर्धन का साधन प्रकृति ,
            प्रकृति संरक्षण की आवश्यकता , प्रकृति की रक्षा मानव जाति का कर्तव्य ।

प्रश्न 2   सड़क दुर्घटना में घायल होने पर सहानुभूति प्रकट करते हुए अपने मित्र को लगभग 100 शब्दों में पत्र लिखिए। (5x1=5)

प्रश्न 3   घर में मोबाइल खो जाने के विषय में माँ और पुत्री मध्य हुए वार्तालाप को संवाद के रूप में लगभग 100 शब्दों में लिखिए। (5x1=5)

प्रश्न 4 दिए गए चित्र का वर्णन लगभग 100 शब्दों में कीजिए। (5x1=5)

Subject - Mathematics

Q1. Find three irrational number between 3 and 4. **(2)**

Q2. Express 32.12353535…. in the form p/q. **(2)**

Q3. Simplify   a) $^3\sqrt{2}$ x $^3\sqrt{32}$ b) $^3\sqrt{18}$ x $^3\sqrt{3}$ **(2)**

Q4. Which is greater $^3\sqrt{15}$ or $^4\sqrt{20}$? **(2)**

Q5. Find $\sqrt{x}$ on number line, where x is any positive real number **(3)**

Q6. Find the decimal expansions of 10/3, 7/8 and 1/7. **(3)**

Q7. Find three different irrational numbers between the rational numbers 5/7 and 9/11. **(3)**

Q8. Add $2\sqrt{2}$+ $5\sqrt{3}$ and $\sqrt{2}$ – $3\sqrt{3}$. **(3)**

CASE STUDY

Leela went to a small garment store with her son. She wanted to buy an outfit for him. In the garment store, she found two types of shirts: Formal and Denim. There were 3 choices for formals and 4 choices for denims. There were two types of pants: Jeans and Formal, with 2 choices for each of them.

Q9. If any shirt can be worn with any pair of pants, the number of ways Leela can select an outfit for her son are **(5)**

a) 20

b) 24

c) 26

d) 28

Q10. Leela decides to select either a formal shirt with a pair of formal pants (not with jeans) or a denim shirt with a pair of jeans (not with formal pants). The total number of ways she can select the outfit now are : **(5)**

a) 12

b) 14

c) 16

d) 20

<u>**Subject: Science**</u>

Project Work

Step 1-Take two metallic pans A and B. Heat crushed camphor in pan A and common salt in pan B.

Observe the changes.

Step 2- Cover the containers with lids while heating. After five minutes remove the lid.

Step 3- Note down your observations in the following table-

Container	A	B
Observation at Step 1		
Observation at Step 2		

Step 4- Name and define the processes involved in each case. Make a video of the activity performed

and mail it to the respective teacher.

WORKSHEET IV

Q1. Describe the structure and function of Golgi body. **(2)**

Q2. A motorbike is moving with a velocity of 3m/s. It accelerates at the rate of 9 m/s^2 for
2s. Calculate the distance travelled while accelerating. **(2)**

Q3. A bullet accelerates at a rate of 90,000m/s^2 from rest. Calculate its velocity if it travels a
distance of 0.5m while accelerating. **(2)**

Q4. (i) What is the relationship between the SI unit of temperature and degree Celsius?
(ii)What is absolute zero? **(2)**

Q5. How does the colour of tomato change from green to red? **(3)**

Q6. An aircraft is travelling along a runway at a velocity of 25m/s. It accelerates at a rate
of 4m/s^2 for a distance of 750m before taking off. **(3)**
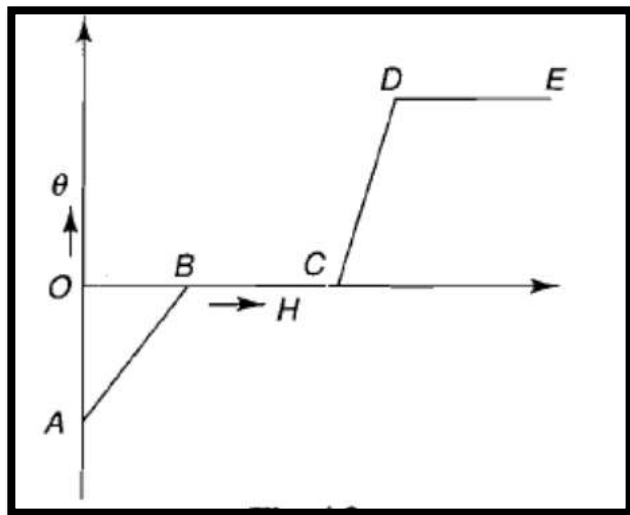
a) Calculate its take-off speed.
b) Calculate the time for which the plane was accelerating.

Q7. A car slows down from velocity of 22 m/s to 5 m/s in 6 seconds. Calculate: **(3)**

a) the deceleration of the car.
 b) the distance travelled by the car in 6.0 s.

Q8. Heat given (H) to a substance was plotted against rise in temperature (θ). Which of the
following parts of the graph given below, most correctly depicts the latent heat of the substance?
Explain. **(3)**

Q 9. Draw a neat diagram of plant cell and label any three parts which differentiate it from animal cell. Mention its functions.   **(5)**

Q10.

  (i) Differentiate between boiling and evaporation.

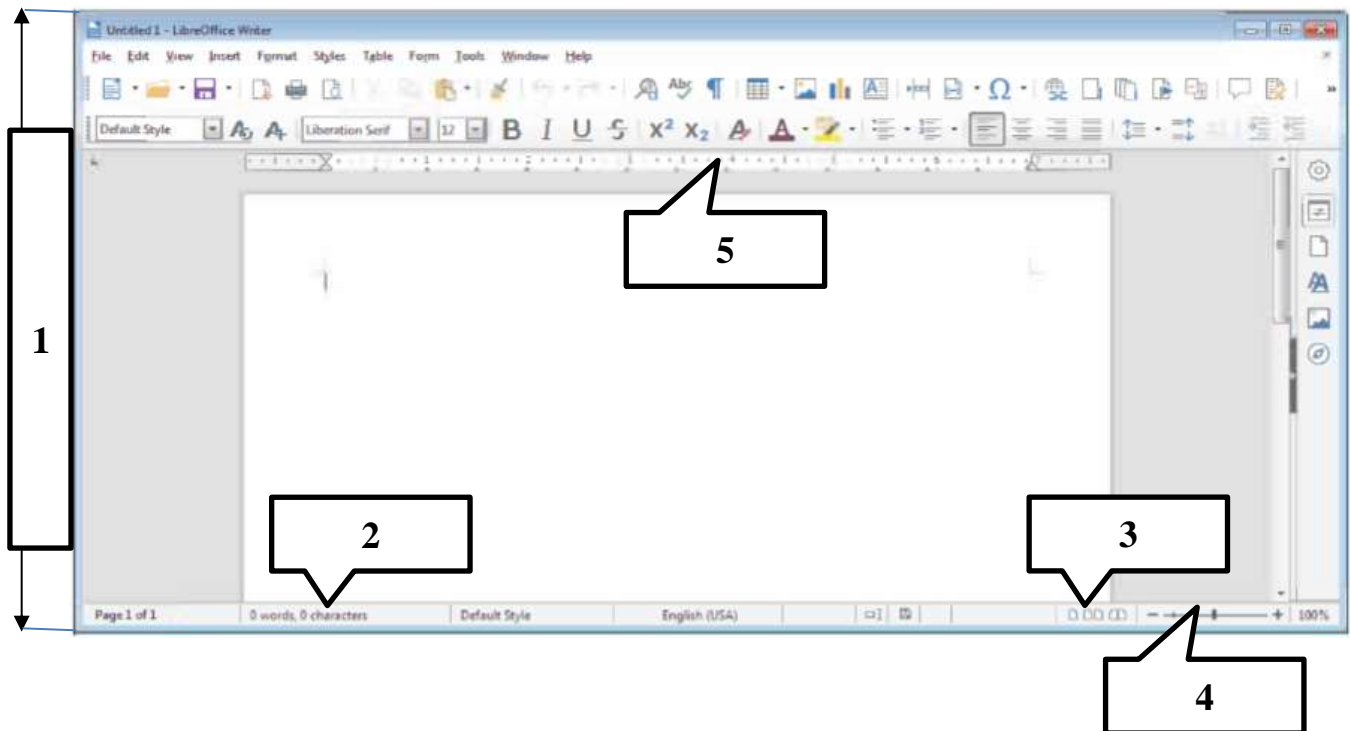 (ii) Storing water in a clay pot aids the natural cooling of water. Give reason.   **(3+2=5)**

Subject–Social Science

Q1. Who is literate? **(2)**

Q2. How can you say that the use of modern farming methods is beneficial for Indian farmers? **(2)**

Q3. Define Infant Mortality rate? Why infant mortality rate is decreasing? **(2)**

Q4. Why is the household work not recognised in the National Income? **(2)**

Q5. What is meant by the Indian Standard Time? What is its importance? **(3)**

Q6. "India has a long coastline which is advantageous". Explain. **(3)**

Q7. Why are the northern plains densely populated? State three reasons. **(3)**

Q8. On the Political map of India, locate and label the following: - **(3)**
    (a) A longitude
    (b) Latitude which divides India into two equal halves.
    (c) Southernmost point of mainland of India.

Q9. Describe the social conditions in France before the French Revolution. **(5)**

Q10. Why is Pakistan not a democratic country? Give reasons. **(5)**

Subject: Computer Science

Q1. Label the following parts of the LibreOffice Writer window: - (1x5=5)

Q2. Answer the following question with respect to Libre Office Writer:- (2x5=10)

a. How is find command different from find all command?
b. What does the green wavy lines line indicate in a document?
c. Name some of the following Word Processing applications.
d. What is purpose of using the clipboard in LibreOffice document?
e. Mention the various ways to insert a table in the LibreOffice document.

Q3. PRACTICAL WORK:

**a) Perform the following practicals on OpenOffice Writer and mention the steps   (5)
   with screenshots in a MS- Word document.**

Objective: To list the various items in ordered and unordered sequence.

1. Hardware
   - Keyboard
   - Scanner
   - Joystick
   - Digital camera
2. Software
   - ✓ Ms-Word
   - ✓ Calc Spreadsheet
   - ✓ Impress Presentation
   - ✓ Adobe Photoshop

b) Consider the following paragraph written on the topic **HABITS.** After completing the
   task you have to find all the keywords matching the word 'Habits' and has to be replaced
   by the keyword 'Daily Actions'.

Habits are routines of behaviour that are repeated regularly and tend to occur
subconsciously. Habitual behaviour often goes unnoticed in person exhibiting it,
because a person does not need to engage in self-analysis when undertaking routine tasks.
Habituation is an extremely simple form of learning, in which an organism, after a period
of exposure to a stimulus, stops responding to that stimulus in varied manners. Habits are
sometimes compulsory.