

SUMMER VACATION ASSIGNMENT

CLASS - IX

ENGLISH

1. During this summer vacation, your family has decided to visit Andaman and Nicobar Islands / Lakshadweep. You become over excited about the idea and surf the internet to know more about this beautiful place. With the information thus collected, prepare a flyer highlighting the different tourist attractions and adventure activities of the place. Make the flyer attractive by adding the sketch of the beautiful nature of the islands. Also write a diary entry for the day when you were informed about the trip expressing the excitement you felt. Add about your experience of surfing the internet in the diary entry.
2. Learn all the work done in the month of May for Periodic Test - 2

हिंदी

1. अंडमान निकोबार की राजधानी पोर्ट ब्लेयर में बनी सेल्यूलर जेल के बारे में विस्तार से जानकारी एकत्रित करते हुए एक पी०पी०टी तैयार कीजिए।
(मुख्य बिंदु – जेल का निर्माण, इतिहास, भोजन, यहां भेजे गए स्वतंत्रता सेनानी, वर्तमान में हुए बदलाव)
2. कला समेकित गतिविधि-
 - अनुक्रमांक(1 से 7) – रेखाचित्र (स्केच)-अपनी पाठ्य पुस्तक क्षितिज में उपस्थित किसी भी एक कवि या लेखक का रेखाचित्र बनाएं।
 - अनुक्रमांक (8से 14) - वॉल हैंगिंग- व्याकरण विषय पर आधारित एक आकर्षक वॉल हैंगिंगबनाएं।

(उपसर्ग, प्रत्यय,समास, अलंकार, अर्थ की दृष्टि से वाक्य भेद)

 - अनुक्रमांक (15 से 21) –चार्ट - पर्यावरण संरक्षण,प्राकृतिक सौंदर्य या किसी अन्य सकारात्मक विषय पर आकर्षक व रंगीन चार्ट बनाएं।

- अनुक्रमांक (22 से 30) –नारा (स्लोगन)लेखन-A3 साइज़शीट पर
सकारात्मक आकर्षक नारा
लिखिए।
3. करवाएं गएकार्य की पुनरावृत्ति कीजिए।
 4. लेखन अभ्यास हेतु प्रतिदिन एक सुलेख कीजिए।

MATHEMATICS

1. Project-

The cellular jail also known as “Kala Pani” , was a British colonial prison in the Andaman and Nicobar islands. Today the prison serves as a National Memorial Monument. Make a Power-Point Presentation on “Cellular Jail” (10-15 slides) containing the following sub-topics.

A. Introduction

B. Location

C. Architectural design

D. Wings and Cells (before earthquake in 1941 and in present time)

E. Different 2-D and 3-D shapes observed in different parts of the structure.

F. Conclusion

Rubrics of assessment i) content

ii) Presentation of text

iii) Pictures and designs

2. Subject Enrichment activity:

Draw a poster on any one of the following topics on an A-3 sized sheet.

--Maths in every day life

--Good habits of Maths students

--Square root spiral

--Real number system

SCIENCE

NOTE – Use A4 size sheets for your HHW. Use appropriate colors for poster and slogan. Use relevant pictures for project work. Work sheet to be done on the print out of assignment with blue pen only.

1. Make a catchy slogan on the topic given according to your roll number –

(a) Roll No. 1 to 10 – Agriculture is our wisest pursuit

(b) Roll No. 11 to 20 –Drive safe

(c) Roll No. 21 to 30 - Organ donation – A noble cause

2. Make a poster on the topic given according to your roll number –

(a) Roll No. 1 to 10 – Reduce Noise pollution

(b) Roll No. 11 to 20 – Organic Farming – A healthy way of life.

(c) Roll No. 21 to 30 - Conserve Energy

3. Make a project report (4-5) pages on the agriculture of Andaman and Nicobar Islands and Lakshadweep. You will include the following sub topics –

a. Soil property for vegetation

b. Main agricultural products and vegetation

c. Cultivation of plantation and horticulture crops

d. Medicinal and aromatic plants

e. Animal husbandry(Fisheries, bee keeping, goat for dairy etc.)

4. Complete the given work sheet related to the topics covered.

(Work sheet attached)

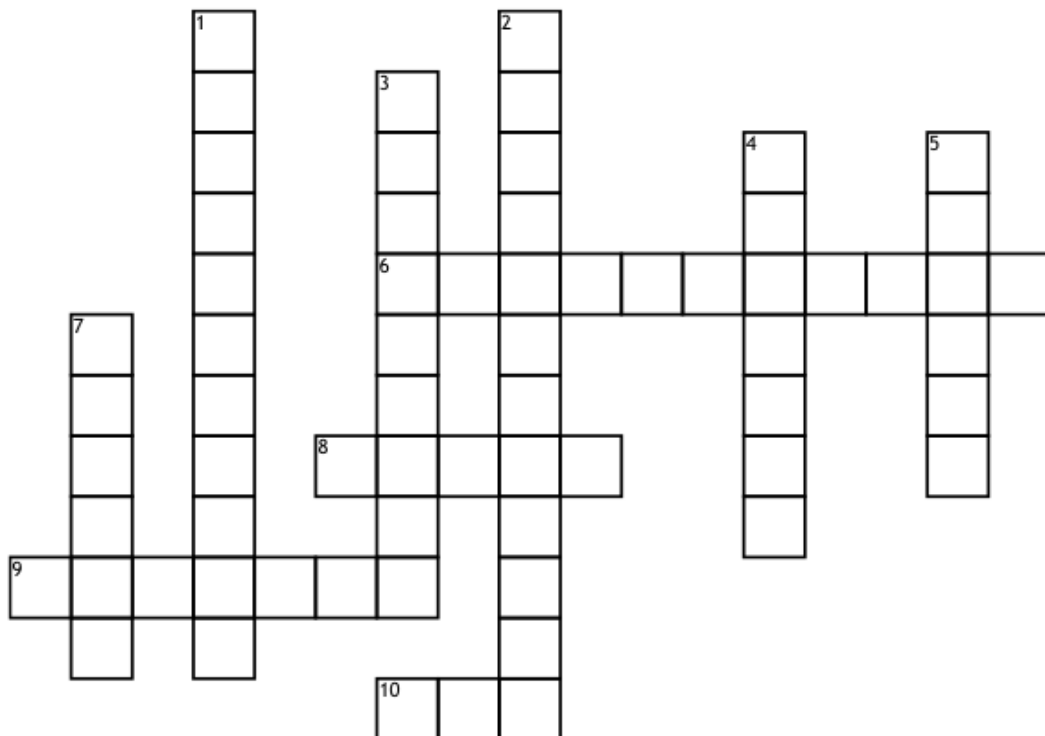
SCIENCE WORKSHEET

CLASS – IX

Name - _____ Class/Sec _____ Roll No. _____

BIOLOGY

Complete the given crossword-



Across

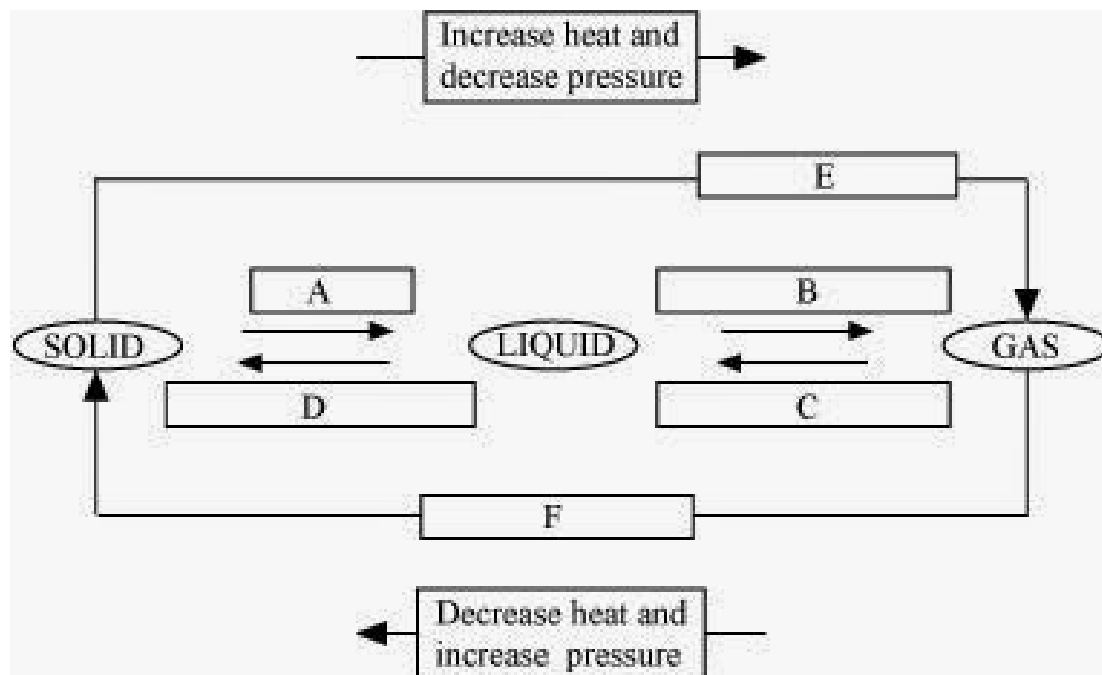
6. Cells are the smallest parts of all living organisms, they are _____.
8. Cell with a rigid and fixed structure.
9. Controls all the processes and chemical reactions that take place inside the cell.
10. Contains information that encodes all our inherited traits or characteristics.

Down

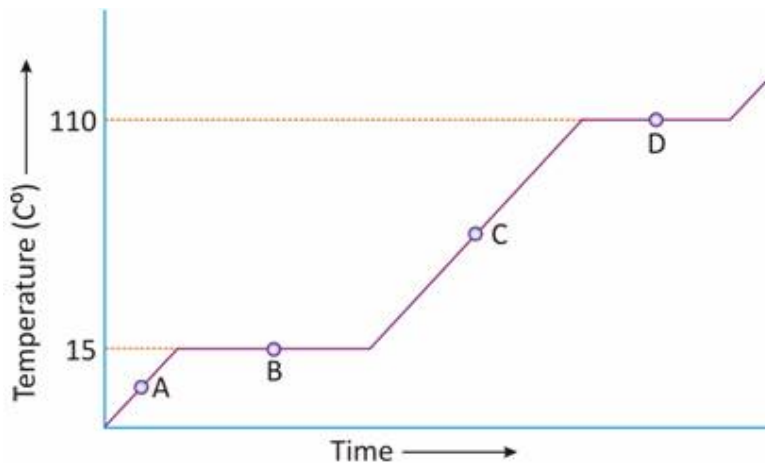
1. Green pigment used in photosynthesis.
2. The powerhouse of the cell.
3. Cells that have the ability to divide and develop into many different cell types.
4. Cell organelle that provides turgidness and storage.
5. Cell that does not have a cell wall.
7. A group of cells performing a specific function forms a _____.

CHEMISTRY

1. Complete the given flowchart-



2. A teacher asked a group of students to heat a given sample of ice and to draw a heating curve representing temperature rise as a function of heat added. After performing experiment at one atmospheric pressure, the students gave the following curve



- (i) What is the physical state of substance at point A?
 (a) Ice only (b) Water only (c) Ice and water coexist (d) Ice and vapour
- (ii) Heat added per gram of the substance along the line CD is known as -
 (a) Specific heat (b) reserve heat (c) Solar heat (d) Latent heat of vaporisation
- (iii) Physical state of substance at point D is:
 (a) Water vapour (b) ice (c) Water and vapour coexist (d) only water

PHYSICS

1.Fill in the blanks-

1. A car starts at rest and travel a distance 20 m in 1 sec .The car average speed is _____.
2. Motion of earth around sun is an example of _____ motion.
3. Tractor moving with 18 km/h is _____ then car moving with 1500 m/min.
4. The motion of a free falling body is an example of _____ motion.
5. The curved speed time graph represent _____ accelerated motion.
6. Distance is a _____ quantity while displacement is a _____ quantity.

2.State whether true or false-

- a. Displacement cannot be zero. _____

- b. Average speed= Total distance/time. _____
- c. Average velocity = Total displacement /time. _____
- d. slope of distance-time graph indicates the speed. _____
- e. It is possible to have object moving with uniform speed but variable acceleration. _____
- f. It is possible to have object moving with uniform velocity but non-uniform acceleration. _____

3. Answer the given question as per the information given-

A particle starts from rest and moves with a uniform acceleration of 5m/s^2 for 10s and then it moves with a constant velocity for 4s. Later it slows down and comes to rest in 5s. Draw the velocity graph for the motion of the body and answer the following questions:

- a. What is the maximum velocity attained by the body?

Ans -

- b. What is the distance travelled during this period of acceleration?

Ans -

- c. What is distance travelled when the body was moving with constant velocity?

Ans -

- d. What is the retardation of the body while slowing down?

Ans -

- e. What is the distance travelled by retarding?

Ans -

f. What is the total distance travelled?

Ans -

SOCIAL SCIENCE

1. *“Preparation through education is less costly than learning through tragedy”*

Prepare a project file on Disaster Management on the below given topic:
Andaman and Nicobar: its location and physiography, General characteristics of Tropical cyclones, Case study on Tsunami 2004, Safety tips on Cyclone Preparedness, Brochure on Cyclone Preparedness.

Instructions: A4 size sheet 7-8pages

Cover page

Acknowledgement

Index

Introduction

Content

Conclusion

Support your project with map, pictures, graph, or any other relevant information.

2. Mention any five values which are associated with Declaration of Rights of Woman and Citizen. Present these values with different forms of art i.e., pictures, map, slogan, or any 3D image.

ART

- Make a poster on any one island of the Andaman Nicobar islands. Mention the name of the island. (Roll no. 1-15)
- Make a poster on any one island of the Lakshadweep. Mention the name of the island. (Roll No. 16 and above)

AI

1. Make a presentation covering the following topics:
 - a. How AI can help improve tourism in Andaman & Nicobar Islands?
 - b. How AI can help improve the state of Living of the people living in Andaman & Nicobar Islands?
 - c. How AI can help improve Healthcare industry in Andaman & Nicobar islands?
 - Presentations can be in video format.(you can use any software)
2. Make a Chart on the below given themes:
 - a. AI – A threat to the human Race
 - b. AI – The future of Education