HOLIDAYS'HOMEWORK

CLASS - IX

English

INSTRUCTIONS:

- Do as directed.
- Marks would be awarded on the basis of Creativity, Presentation, Content Research and timely submission.
- Last date for submission 3rd JULY, 2019

Task -1

LISTENING

- Listen to English News and Songs and imitate the accent.
- Watch English movie 'Avenger Endgame" and write down at least five dialogues on a coloured sheet.

TASK-2

SPEAKING

- Converse in English with your friends and family members.
- ASL Preparation – Prepare a short speech on the following topics for classroom presentation.
    a) Save Natural Resources
    b) Global Warming
    c) Importance of family and friends
    d) E-waste management

TASK-3

READING

- Read lesson 3 & 4 of supplementary book 'Moments'.
    (a) Write the summary of the chapters.
    (b) (b) Do text book questions in English literature notebook.

TASK-4

Writing

- Make PPT on any of the following topics:
    o Tenses
    o Determiners
    o Clauses

    Submit hardcopy of this presentation.

- Complete the story:
    o Shyama and Rama were best friends. They were very good in studies and sports but---

Hindi

प्रश्न- 1) 'विज्ञापन का प्रभाव' — इस विषय पर २५० शब्दों में निबंध लिखो।

प्रश्न -2) कोई एक 'स्वरचित' कविता याद करो।

प्रश्न -3) सुमित्रानंदन पंत ' का जीवन परिचय लिखकर पाठ्यपुस्तक के अतिरिक्त कोई एक कविता सचित्र लिखिए।

प्रश्न -4) कक्षा में पढ़ाए गये पाठों की पुनरावृत्ति करो।

Maths

1. Do revise chapters:
   - Number System
   - Coordinate Geometry
   - Lines and Angles
   - Polynomials
2. Do activities 1 to 5 of Maths Lab Manual File

Note: Do assignment questions in a separate note book.

SOCIAL SCIENCE

Q 1   Prepare a project on Disaster Management

TOPIC: 1 Ensure fire safety

        2 Road Accident (save life, save property)

Project Guidelines:

1 The project report should be handwritten by the students.

2 It should be of 10to 12 pages written on colored sheets.

3 All pictures should be well label.

4 The project report will be presented in this order-
        a. Project title, student information, subject and year

b. Acknowledgement.

c. Content with relevant heading(definition ,main cause of fire ,cause of
    road accident .steps to minimize the risk of fire and how to control
    road accident)

d. Bibliography.

5 Marks will be given on the basis of presentation, neatness and basis of content.

 Q 2 Visit waste to wonder park (near sarai kale khan) collect information, make poster or collage

Q3 Revise and learn all the chapter done in the class for periodic test

  CH. The French Revolution.

  CH. India size and location.

 CH. The story of village Palampur.

 CH. What is Democracy? Why Democracy?

Q4 In your region, talk to anyone labourer. choose either, Farm labourer or labourer working at construction sites.

 NOTE- Write following answer in a separate sheet.

1. What wages does he get?
2. Is he paid in cash or kind?
3. Does he get work regularly?
4. Is he in debt?

Q5 Collect and paste pictures related to "General Election"2019 in India in your civics note book.

SCIENCE

CHEMISTRY

 Q1 Why is dry ice a better option for food preservation at low temperature ?
Q2 Why does the food cooks faster in pressure cooker ?
Q3 Why do kulfi seller use the mixture of ice and common salt as freezing
    mixture ?
Q4 Why does we sprinkle water on cotton cloths before ironing ?
Q5 Why does the air in coastal areas has high density ?

PREPARE A WORKING MODEL ON TOPIC RELATED TO SCIENCE SUBJECT

PHYSICS

1. A circular track has a circumference of 3140m with AB as one of its diameter. A scooterist moves from
    A to B along the circular path with a uniform speed of 10m/s. Find
    a) Distance covered by the scooterist,
    b) Displacement of the scooterist, and

c) Time taken by the scooterist in reaching from A to B.

2. Using the following data, draw displacement –time graph for a moving object:

Time(sec)	0	2	4	6	8	10	12	14	16
Displacement(m)	0	2	4	4	4	6	4	2	0

Use this graph to find velocity for first 4s, for next 4s and for last 6s.

3. A car is moving at a uniform speed of 72 km/hr. The driver sees a child at a distance of 50m. He applies brakes to stop the car just in front of the child. Calculate the acceleration of the car.

4. Mehak was moving through the city roads towards her school by a car. She recorded the odometer reading of the car after every five minutes and plotted a graph for distance vs time. She then inferred about the type of motion and found average speed from the graph.
   a) What type of motion would she have inferred?
   b) How is average speed calculated from the graph.

5. An aero plane starts from rest with an acceleration of $3m/s^2$ and takes a run for 35 sec before taking off. What is the minimum length of runway and with what velocity the plane took off?

6. An object is moving along a straight line with uniform acceleration. The following table gives the velocity of the object at various instants of time.

Time(s)	0	1	2	3	4	5	6
Velocity(m/s)	2	4	6	8	10	12	14

Plot the graph

From the graph,
   a) Find velocity of object at the end of 2.5 sec
   b) Calculate the acceleration
   c) Calculate the distance covered in the last 4 seconds

BIOLOGY

1.Write the functions of the following cell organelles
   a. ER
   b. lysosomes
   c. golgi bodies
   d. vacuoles
   e. ribosomes
   f. plastids
2. Expand the following:
   ER
   ATP
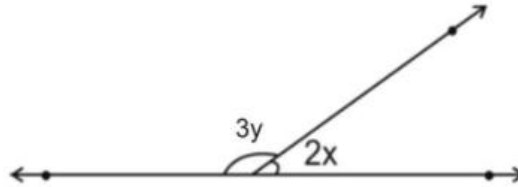   RER
   SER
   DNA
   RNA
3. What are semiautonomous cell organelles? Explain any one .
4. Record the practical in your record file
5. Revise whatsoever has been done in the class.

Section - A

Q.1 In the given figure, $x = 30^0$

The value of y is

(a) 10^0 (b) 40^0 (c) 36^0 (d) 45^0

Q.2 An exterior angle of a triangle is 75^0 and its two interior opposite angles are equal. Each of these equal angles is

(a) 105^0 (b) 50.5^0 (c) 52^0 (d) 37.5^0

Q.3 The compliment of an angle 'm' is:

(a) m   (b) 90^0+m   (c) 90^0-m   (d) m X 90^0

Q.4 If one angle of a triangle is equal to the sum of the other two equal angles, then the triangle is

(a) an isosceles triangle   (b) an obtuse triangle

(c) an equilateral triangle   (d) a right triangle

Q.5 In the given figure $\angle a$ and $\angle b$

form a linear pair if a-b = 100^0

then a and b are

(a) 120^0, 20^0 (b) 40^0, 140^0

(c) 50^0, 150^0 (d) 140^0, 40^0
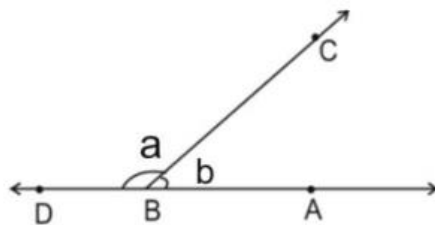
Q.6 Angle of a triangle are in the ratio 2 : 4 : 3. The smallest angle of the triangle is

(a) 60^0 (b) 40^0 (c) 80^0 (d) 20^0
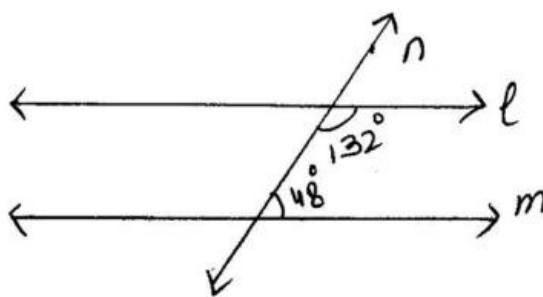
Section - B

Q.7 Two adjacent angles are equal. Is it necessary that each of these angles will be a right angle? Justify your answer.

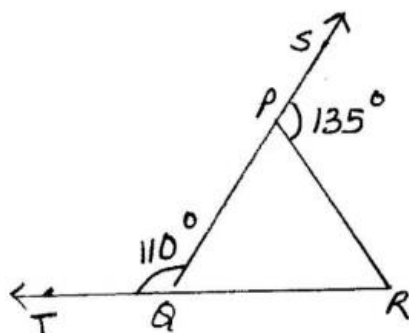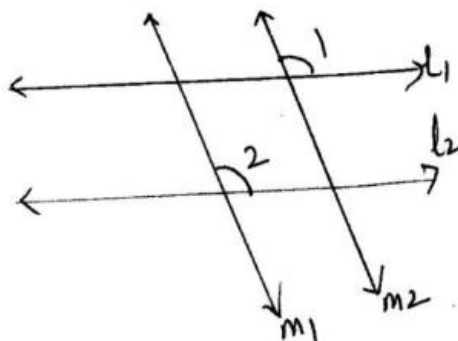**Q.8** In the following figures which of the two lines are parallel and why?
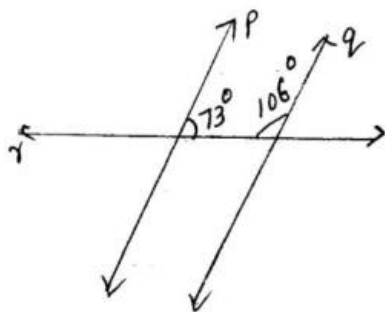
(i)   (ii)

Q.9 In the given fig. sides QP and RQ of $\triangle PQR$ are produced to point S and T respectively. If $\angle PQT = 110^0$ and $\angle SPR = 135^0$ find $\angle PRQ$
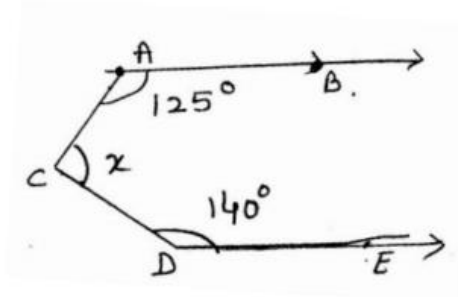

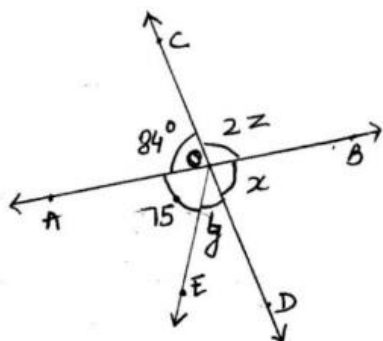**Q.10** In the fig. $l_1 \parallel l_2$ and $m_1 \parallel m_2$ if $\angle 1 = 115^0$ find $\angle 2$

Q.11 Sum of two angles of a triangle is 90^0 and their difference is 50^0. Find all the angles of the triangle.

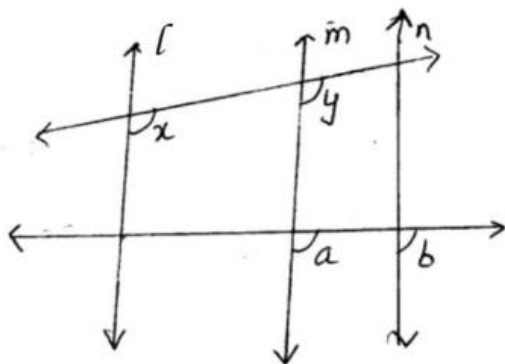**Q.12** In the adjoining figure, $AB \parallel DE$, find the value of x.

Section - C

Q.13 In the given figure AB and CD intersect each other at O. If $\angle AOE = 75^0$ find the value of $x, y \; and \; z$.
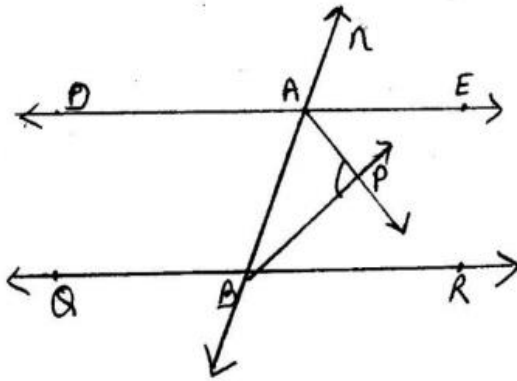

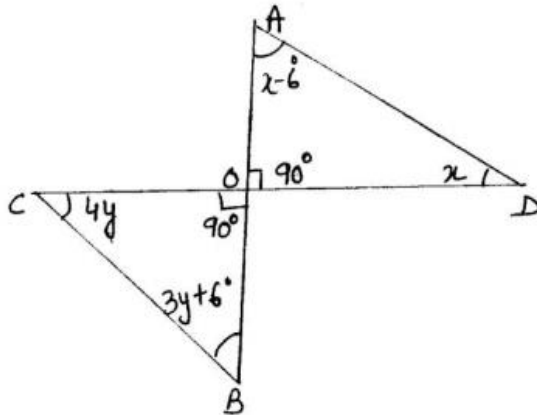**Q.14** Prove that vertically opposite angle are equal.

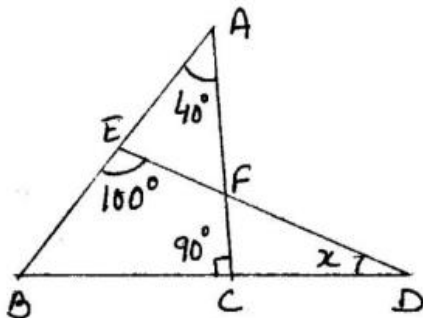**Q.15** In the given figure $x = y \; and \; a = b$ prove that $l \parallel n$

Q.16   In the given figure $DE \parallel QR$ and AP and BP are bisectors of $\angle EAB$ and $\angle RBA$

respectively find $\angle APB$

Q.17   The angles of a triangle are in the ratio 2: 3: 5 find the angles of the triangle.
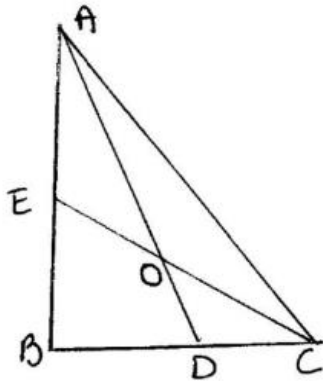
Q.18   Find x and y in the following figure.

Q.19   In figure find x.

Section - D

Q.20 Prove that sum of the angles of triangle is 180^0.

Q.21 Prove that sum of the angles of a hexagon is 720^0.

Q.22 The angles of a triangle are $(x - 40^0)$, $(x - 20^0)$ and $\left(\frac{1}{2}x - 10\right)^0$ find the value of x.

Q.23 In the given figure, AD and CE are the angle bisectors of $\angle A$ and $\angle C$ respectively If $\angle ABC = 90^0$ then find $\angle AOC$

Q.24 A transversal intersects two parallel lines. Prove that the bisectors of any pair of corresponding angle so formed are parallel.

Answer :

(1) b   (2) d   (3) c   (4) a,d   (5) d   (6) b

(9) 65^0 (10) 115^0 (11) 20^0, 70^0, 90^0 (12) 95^0 (13) 84^0, 21^0, 48^0 (16) 90^0

(17) 36^0, 54^0, 90^0 (18) 48^0, 12^0 (19) 30^0 (22) 100^0

(23) 135^0

INFORMATION TECHNOLOGY

➢ Explore topic " 3D Internet" . Make notes in Ms word (10 pages) using pictures/emojis and different font styles.