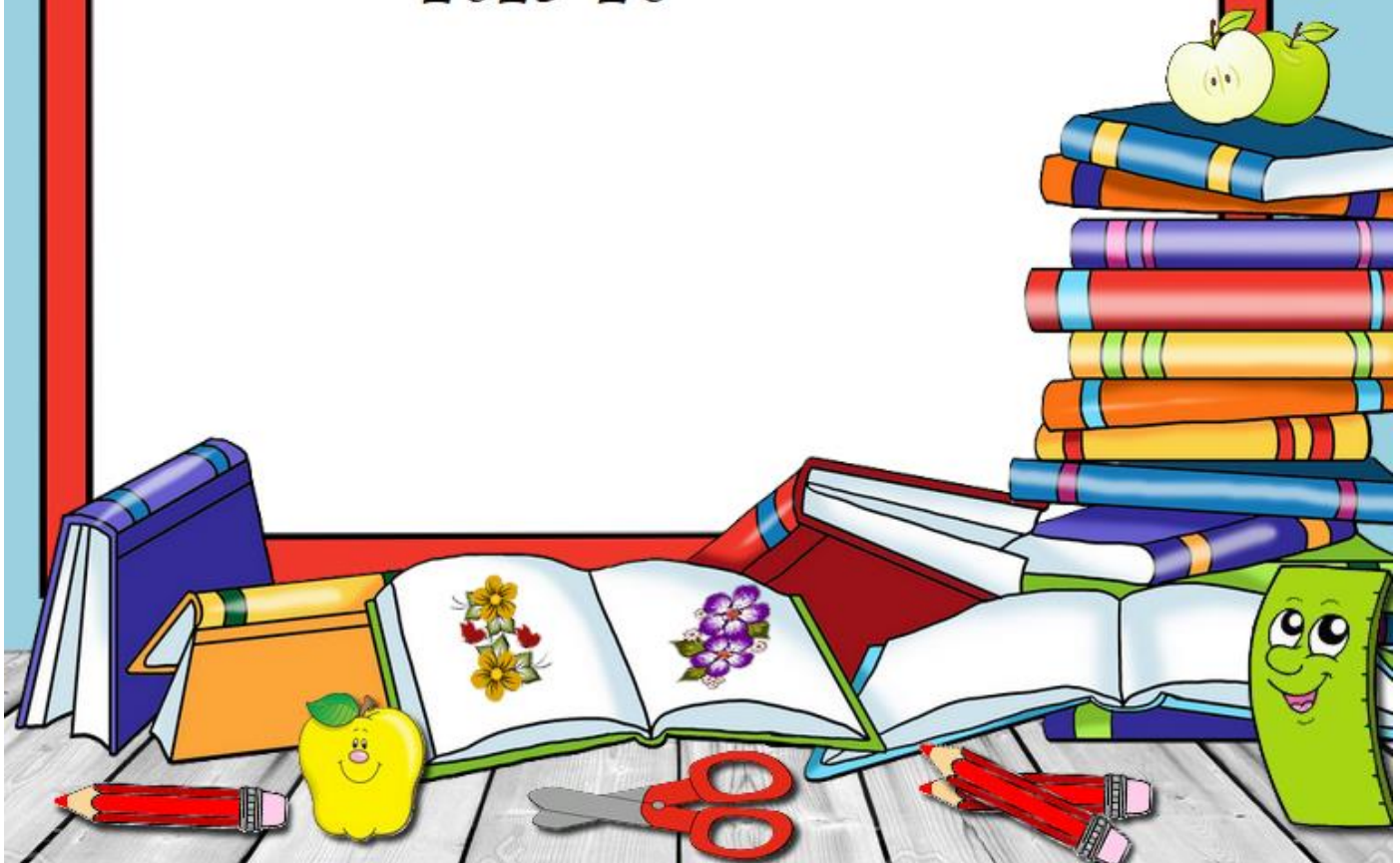




*SUMMER
HOLIDAYS
HOMEWORK
CLASS X
SESSION
2025-26*



English

Assignmentsheet-1

Q1. Thinking lencho to be extremely simple and innocent, justify his reaction to the postmaster's letter.

Q2. Would you agree that "depth of oppression" create "heights of characters"? How does Mandela illustrate this?

Q3. Which two obligations, according to Nelson Mandela, does every man have in life ? How could a man not fulfill these obligations in a country like South Africa?

Q4. How did the sea gull family help th believed that paper has more patience than people she could confide more in her diary than in people why did she feel so was she free from bais and stereotypes?

Q5. 'The Diary of Anne Frank' is a work of an insightful mind of a young girl. Explain.

Q6. 'God has those who help themselves' Do you agree? Discuss with reference to the lesson 'Black Aeroplane'

Q7. From beginning to the end of the lesson 'Black Aeroplane' is a mystery. How?

Q8. Compare and contrast Tricky in the beginning and in the end of the story "A Triumph of Surgery"

Q9. The theme of the story 'A Triumph of Surgery'. Who was Anil? How did he treat Hari Singh and how did it influence Hari's life?

Q10. We need intelligence more than physical strength in a difficult situation. How is it proved from the story "The Midnight Visitor"?

Q11. Who do you think is there alculprit and the story "A Question of Trust".

Q12. Why did Horace Danby get angry when anyone talked about 'Honor among thieves'? what does it mean in the context of the story " A Question of Trust"?

Q13. What makes you think that Griffin was a lawless person?

Q14. "The measure of a man is what he does with his power ." In the light of this statement, comment on the character of Griffin.

Q15. What impression do you form of all the Bell as secret agent after reading the story 'The Midnight visitor'.?

Q16. Write Message and theme of the poem "Fire and Ice" and "Dust of Snow".

Q17. Write Message and Theme of the poem, "How to Tell Wild Animals" and "The Ball Poem".

**Write and learn these Question Answer in your fair notebook.
Learn Textual Question Answer of(First Flight & Footprints without
feet) thoroughly.
Thorough reading of Chapters is compulsory for all.**

Assignment-2

1. (Reading)

Practice offive reading passages fromBBC.

2. (Writing)

Practice of editorial letter and complaint letter from

BBC. Project work

Prepare a project on Nelson

Mandela OR

Robert Frost

**Prepare a model and chart on any topic of your syllabus including
poetry, prose and language.(It's mandatory for all)**

HINDI

प्रश्न (1) निम्नलिखित विषयों पर 80 से 100 शब्दों में अनुच्छेद लिखिए-

- (क) ग्लोबल वार्मिंग मनुष्य के लिए खतरा
- (ख) मर्यादित जीवन का आधार: सादा जीवन उच्च विचार
- (ग) समाचार पत्र ज्ञान और मनोरंजन का साधन
- (घ) अंतर्राष्ट्रीय योग दिवस
- (ङ) महान संस्कृति और सभ्यता संपन्न भारत

प्रश्न (2) निम्नलिखित विषयों पर औपचारिक पत्र लिखिए

- (क) दैनिक समाचार पत्र के संपादक को अपनी कविता प्रकाशित करवाने का अनुरोध करते हुए पत्र लिखिए।
- (ख) अपने विद्यालय की प्रधानाचार्या को प्रार्थना पत्र लिखिए जिसमें कंप्यूटर का महत्व बताते हुए कंप्यूटर शिक्षक की व्यवस्था करवाने का अनुरोध किया गया हो।
- (ग) कल- कारखानों के कारण आपके नगर में बढ़ते हुए प्रदूषण तथा उसके खतरों को देखते हुए किसी दैनिक समाचार पत्र के संपादक को पत्र लिखिए।
- (घ) आपका नाम मुदित/ मुदिता है। प्रतियोगी परीक्षाओं में प्रवेश हेतु प्रदेश सरकार द्वारा आर्थिक दृष्टि से कमजोर, प्रतिभाशाली छात्रों के लिए निःशुल्क शिक्षण की जो व्यवस्था की गई है, उसकी सराहना करते हुए किसी दैनिक हिंदी समाचार- पत्र के संपादक को लगभग 100 शब्दों में एक पत्र लिखिए।

प्रश्न(3) निम्नलिखित विषयों के लिए एक सुंदर एवं आकर्षक विज्ञापन तैयार कीजिए-

- (क) आपके भाई ने वातानुकूलित यंत्र बनाने की एक कंपनी खोली है। उसके प्रचार- प्रसार के लिए 30- 40 शब्दों में एक आकर्षक विज्ञापन तैयार कीजिए।
- (ख) अपने पुराने मकान को बेचने हेतु एक सुंदर एवं आकर्षक विज्ञापन 25 से 30 शब्दों में बनाइए।
- (ग) विद्यालय में नर्सरी के दाखिले के लिए 30- 40 शब्दों में एक विज्ञापन तैयार कीजिए।

प्रश्न(4) निम्नलिखित प्रश्नों के उत्तर पाठ्यपुस्तक के आधार पर दीजिए-

- (क) आदर्श स्थिति बनाए रखने के लिए बड़े भाई साहब का बचपन कैसे तिरोहित हो जाता है?
- (ख) कबीर ने किस घर को जलाने की बात की है? वर्तमान में यह कितना युक्ति संगत है?
- (ग) कथा नायक को क्या-क्या करना पसंद था?

- (घ) कबीर दास जी ने अपने दोहे में हिरण का उदाहरण किस संदर्भ में दिया है? क्या आप भी कबीर दास जी के विचार से सहमत हैं या नहीं? तर्क सहित उत्तर दीजिए।
- (ङ) अहंकार का भाव भक्ति मार्ग की सबसे बड़ी बाधा है। इस विषय पर अपने विचार व्यक्त कीजिए।
- (च) भक्ति भाव को जागीर क्यों कहा गया है? इसके लिए क्या आवश्यक है?
- (छ) निर्गुण और सगुण भक्ति में क्या अंतर है? दोनों से संबंधित किन्हीं दो कवि या कवियत्रियों के नाम लिखिए।
- (ज) स्वतंत्रता प्राप्त करने के लिए भारतीयों को कौन-कौन से कष्ट सहने पड़े? 'डायरी का एक पन्ना' पाठ के आधार पर उत्तर दीजिए।
- (झ) कृष्ण की चाकरी से मीरा को क्या लाभ मिलेगा?
- (ष) कबीर दास जी किन जीवन मूल्यों को मानव के लिए आवश्यक मानते हैं?
- (ट) ततारा की तलवार एक रहस्य क्यों थी?
- (ठ) 'डायरी का पन्ना' पाठ के आधार पर बताइए कि पुलिस ने कैसा दमन चक्र चलाया और क्यों? लोगों ने किस प्रकार उसका मुंह तोड़ जवाब दिया?
- (ड) प्रेम का संबंध किसी विशेष धर्म, जाति, भाषा से नहीं है। उसे सीमाओं में नहीं बांधा जा सकता - ततारा वामीरो पाठ के आधार पर इस कथन का मूल्यांकन कीजिए।
- (ढ) मानव को अपने ऊपर कभी घमंड नहीं करना चाहिए। यह जीवन के लिए नुकसानदायक है। यह हमारा नाश कर देता है तथा सामाजिक रूप से बहिष्कार के योग्य बना देता है आपके द्वारा इस पाठ्यक्रम में पढ़े गए पाठ में घमंड के नुकसान के बारे में बताया गया है। इस कथन को स्पष्ट करने के लिए बड़े भाई साहब ने कौन-कौन से उदाहरण दिए? अपने शब्दों में लिखिए।
- (ण) मीरा सांसारिक सुखों को त्याग कर श्री कृष्ण की चाकरी क्यों करना चाहती है? 'मीरा के पद' पाठ के आधार पर स्पष्ट कीजिए।

प्रश्न(5) निम्नलिखित मुहावरों के अर्थ लिखकर उपयुक्त वाक्य बनाइए-

खून जलाना, सूक्ति बाण चलाना, जिगर के टुकड़े-टुकड़े होना, गाढ़ी कमाई, आड़े हाथों लेना, घाव पर नमक छिड़कना, तलवार खींचना, दिमाग हो जाना, अंधे के हाथ बटेर लगना, चुल्लू भर पानी देने वाला ना होना, बे-सिर पैर की बातें करना, आटे- दाल का भाव मालूम होना, प्राणांतक परिश्रम करना, आपा खोना, लाज रखना, रंग दिखाना, कलंक धुलना, हाथ पांव फूलना, दबे पांव आना, पापड़ बेलना।

प्रश्न(6) निम्नलिखित रिक्त स्थानों की पूर्ति उचित मुहावरों से कीजिए-

- (क) कभी नौकरी ढूँढने निकलोगे तो..... होगा।
- (ख) बेटे के अनुत्तीर्ण होने का समाचार सुनकर पिताजी।
- (ग) यदि आर्थिक स्थिति ठीक ना हो तो ठीक बात नहीं।
- (घ) अपने मेहमानों के स्वागत मेंहम भारतीयों की संस्कृति है।
- (ङ) गरीब माता-पिता अपना..... कर बच्चों का पालन पोषण करते हैं।

Activities:

- (1) अनुक्रमांक(1-23) के विद्यार्थी 'बड़े भाई साहब' पाठ पर एक सुंदर आकर्षक प्रवाह तालिका बनाएंगे।
अनुक्रमांक (24-45) के विद्यार्थी 'कबीर की साखी' पाठ की प्रवाह तालिका बनाएंगे।
- (2) प्रकृति पर आधारित एक सुंदर कविता लिखिए और चित्र भी बनाइए।
- (3) राष्ट्रीय एवं सांस्कृतिक धरोहरों के चित्र एवं उनके नाम लिखिए।
- (4) किन्हीं पांच निडर, साहसी और बुद्धिमान देश भक्तों के चित्र, नाम तथा उनका संक्षिप्त परिचय लिखिए।
- (5) किसी एक विषय पर सुंदर, आकर्षक, रंगीन विज्ञापन बनाइए।
- (6) 'मीराबाई जी' का सचित्र जीवन परिचय तथा साहित्यिक विशेषताएं लिखिए।
- (7) 'सुमित्रानंदन पंत जी' का सचित्र जीवन परिचय तथा साहित्यिक विशेषताएं लिखिए।

Note-

जुलाई परीक्षा के लिए निम्नलिखित पाठ्यक्रम याद कीजिए-

गद्य भाग- बड़े भाई साहब, डायरी का एक पन्ना, ततांरा वामीरो कथा।

पद्य भाग- कबीर की साखी, मीरा के पद, हिंदी व्याकरण की पुस्तक में से 1 से 10 तक अनुच्छेद लेखन याद कीजिए तथा 1 से लेकर 100 तक मुहावरे याद कीजिए।

MATHEMATICS Ch- 1 (Number system)

Ch-2 (Polynomials)

Ch-3 (Coordinate Geometry)

Ch -4 (Linear equations in two variables)

Practice All NCERT questions from Chapters as assignment.

Submit after holidays.

Write the following activities in Maths lab Manual book.

1. To construct a square root spiral.
2. To verify the identity $(a+b)^2 = a^2 + 2ab + b^2$ geometrically.
3. To find the values of abscissa and ordinates of various points given in a Cartesian plane.

Social studies

Assignment (Learn and write)

- 1.Explain the statement “when France sneezes,the rest of Europe catches cold”.
2. Write about Rio de Janeiro at the summit,1992.
3. Over exploitation of natural resources can lead to many problems.Justify how can an individual help in saving energy?
- 4.Mention some steps which have been taken by the government to protect biodiversity in the country.
5. What were jacobin clubs?How did their activities and campaigns help to spread the idea of nationalism abroad?Explain.
6. Analyse the role of Chief Minister of Cavour who led the Movement to unite the regions of Italy.
- 7.What changes did Napoleon introduce to make the administrative system more efficient in the territories ruled by him?
- 8.Explain The different factors which lead to the rise of nationalism in europe.
9. What are the advantages of local governments?
10. How did nationalism align with Imperialism and become the cause of the first world war? Explain.
11. Highlight any three factors responsible for the growth of the service sector in the economy.
- 12.Why was Federalism succeeded in India? Which were the policies adopted by Indian that ensured this succes?Explain.

Project File:

Create a project file (15-16 pages on A4 paper) with a cover page, table of contents, acknowledgments, chapters with headings, a summary, conclusions, and a bibliography.

Topic: "Consumer Rights"

Map work:- Ch.2 History (Indian National Congress sessions and Indian National Movement)

Ch.3 Geography (Major Rivers and Dams)

Students can create a timeline of important historical events or developments.

Make a mind map on the given topics:-

A) Power sharing

B) Federalism

Write about the symbols and manifestos of five political parties in India.

Make a PPT on Sectors of the Indian Economy.

Learn and revise all the completed chapters and also complete your H W Notebook.

ARTIFICIAL INTELLIGENCE

Note:learn all question done In your notebook

Q1Learn unit1 & unit 3(part B)

Q2.Application Based(A4sizesheet)

Read carefully and give answer:

AI Bias Another aspect to AI Ethics is bias. Everyone has a bias of their own no matter how much one tries to be unbiased, we in some way or the other have our own biases even towards smaller things. Biases are not negative all the time. Sometimes, it is required to have a bias to control a situation and keep things working. When we talk about a machine, we know that it is artificial and cannot think on its own. It can have intelligence, but we cannot expect a machine to have any biases of its own. Any bias can transfer from the developer to the machine while the algorithm is being developed. Now Think and write the answer of the followings :

1. Majorly, all the virtual assistants have a female voice. It is only now that some companies have understood this bias and have started giving options for male voices but since the virtual assistants came into practice, female voices are always preferred for them over any other voice. Can you think / write of some reasons for this?
2. If you search on Google for salons, the first few searches are mostly for female salons. This is based on the assumption that if a person is searching for a salon, in all probability it would be a female. Do you think this is a bias? If yes, then is it a Negative bias or Positive one?
3. DIFF BETWEEN RULE BASED AND LEARNING BASED AI APPROCHES
4. DIFF BETWEEN SUPERVISED AND UNSUPERVISED AND REINFORCEMENT LEARNING MODELS
5. DIFF BETWEEN SCRIPT BOARDS AND SMARTBOARDS
6. Explain the process of AI project cycle

PHYSICAL EDUCATION

1. Prepare 5 yoga poses on chart & their benefit.
2. draw track on chart paper
- 3) write 1 & 2 chapters in notebook
4. Assignment. Role of physical education in child development

SCIENCE

Assignment-1 (Chemistry)

Answer the following questions :

- Q.1.** What causes rancidity ? Name an antioxidant which prevents rancidity.
- Q.2.** Balance the equation :
$$S + HNO_3 \longrightarrow H_2SO_4 + NO_2 + H_2O$$
- Q.3.** In electrolysis of water, why is the volume of gas collected over one electrode double that of gas collected over the other electrode.
- Q.4.** Why respiration and decomposition processes are considered to be an exothermic process ?
- Q.5.** Identify the substance oxidised and reduced in the chemical reaction : $2Mg + O_2 \longrightarrow 2MgO$
- Q.6.** Why potato chips manufacturers fill the packet of chips with nitrogen gas ?
- Q.7.** Identify the type of reaction :
$$Fe + CuSO_4(aq) \longrightarrow FeSO_4(aq) + Cu(s)$$
- Q.8.** Balance the given chemical equation:
$$Al(s) + CuCl_2(aq) \longrightarrow AlCl_3(aq) + Cu(s)$$
- Q.9.** What happens chemically when quicklime is added to water ?
- Q.10.** On adding dilute HCl to CuO powder, the solution formed is blue-green. Predict the new compound formed which imparts a blue-green colour to the solution.
- Q.11.** What happens when :
(a) copper powder is heated in a china dish ?
(b) hydrogen gas is passed over hot copper (II) oxide?
- Q.12.** A student has found black coating on his silver coins and green coating on his copper coins. Which chemical phenomenon is responsible for this ? Write chemical name of these coatings.
- Q.13.** Give differences between : Oxidation and Reduction.
- Q.14.** How combination reaction differs from decomposition reaction ?
- Q.15.** Differentiate between displacement and double displacement reactions.
- Q.16.** What is observed when : (i) Potassium iodide is added to aqueous lead nitrate ? (ii) Identify the type of reaction. (iii) Give a balanced chemical equation for this.
- Q.17.** Define oxidising and reducing agents by giving suitable example.
- Q.18.** What is meant by rancidity ? How it can be prevented ?
- Q.19.** Give reasons why : (a) Magnesium ribbon should be cleaned before burning in air (b) Iron should be protected from moist air.
- Q.20.** What happens when: (i) Lead nitrate is heated (ii) crystals of $FeSO_4$ are heated ?
- Q.21.** Give two examples each of : (i) Double displacement reactions (ii) Redox reactions (iii) Combination reactions.
- Q.22.** Differentiate between exothermic and endothermic reactions by giving one example of each.
- Q.23.** Give reason why : (a) Na acts as a reducing agent while chlorine acts as an oxidising agent in the reaction : $2Na(s) + Cl_2(g) \longrightarrow 2NaCl(s)$
(b) White coloured AgCl turns grey when kept in sunlight.
(c) Colour of the solution changes when iron nail is dipped in copper sulphate solution.
(d) Lime water turns milky when CO_2 is passed through it ?

Assignment-2(Biology)

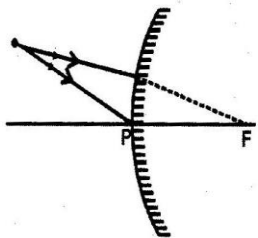
Answer the following questions :

- Q.1.** How do autotrophs obtain CO_2 and N_2 to make their food ?
- Q.2.** Name the tissue which transports (a) Soluble products of photosynthesis in plants (b) Water and minerals in plants.
- Q.3.** Name the largest artery and vein in our body.
- Q.4.** What is the function of Platelets and Haemoglobin in our body?
- Q.5.** What will happen to a plant if its xylem is removed?
- Q.6.** Define transpiration. Give its role in the plants.
- Q.7.** What disadvantage (if any) would be there, if the human RBCs become biconvex instead of their normal biconcave shape ?
- Q.8.** What is the function of pancreas in the human digestive system ?
- Q.9.** Where does digestion of fat take place in our body ?
- Q.10.** What is the function of digestive enzymes ?
- Q.11.** What is meant by breathing ? What happens to the rate of breathing during vigorous exercise and why?
- Q.12.** Name four chambers of human heart. State one function of each chamber in a tabular form.
- Q.13.** Give one structural and one functional difference between an artery and a vein.
- Q.14.** What is meant by blood pressure ? How systolic pressure differs from diastolic pressure ?
- Q.15.** Differentiate between aerobic and anaerobic respiration.
- Q.16.** Name the end products formed during :
(i) Oxidation of glucose in the muscles
(ii) Oxidation of glucose in body cells
(iii) Breakdown of glucose anaerobically.
- Q.17.** Give the function of the following :
(a) Stomatal pore (b) Guard cell.
- Q.18.** Write the role of the following : (a) Bile (b) Lipase
(c) Salivary amylase (d) Trypsin ?
- Q.19.** What would be the consequences of a deficiency of haemoglobin in our bodies ?
- Q.20.** What are the necessary conditions for autotrophic nutrition ? What are its by-products ?
- Q.21.** Describe double circulation in human beings. Why is it necessary ?
- Q.22.** What are the differences between the transport of materials in xylem and phloem ?
- Q.23.** Compare the functioning of alveoli in lungs and nephrons in the kidneys with respect to their structure and functioning.
- Q.24.** Draw a labelled diagram of sectional view of human heart or human digestive system.
- Q.25.** What is the role of following : (i) Lymph (ii) RBCs?
- Q.26.** Define translocation with respect to transport in plants. Why is it essential for plants ? Where in plants are the following synthesised :
(a) Sugar (b) Hormone ?

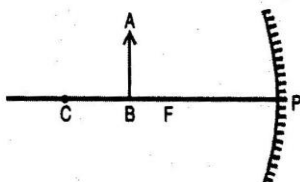
Assignment-3(Physics)

Answer the following questions :

- Q.1.** Complete the following ray diagram by drawing suitable rays.

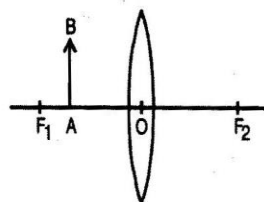


- Q.2.** A concave mirror produces three times magnified (enlarged) real image of an object placed at 10 cm in front of it. Where is the image located ?
- Q.3.** What is the difference between virtual images produced by concave, plane and convex mirrors?
- Q.4.** For driving a car what type of mirror would you prefer to see the traffic at your back and why? Explain why it is preferred over a plane mirror?
- Q.5.** An erect image three times the size of the object is formed with a concave mirror of radius of curvature 36 cm. What is the position of the image?
- Q.6.** Copy the figure and show the image formation with the help of rays. Write three characteristic of the image formed.



- Q.7.** Discuss the position and nature of the image formed by a concave mirror when the object is moved from infinity towards the pole of the mirror.

- Q.8.** Figure below shows an object AB placed on the principal axis of a convex lens placed in air. F_1 and F_2 are the two foci of the lens. Copy the diagram. (i) Draw a ray of light starting from B and passing through O. Show the same ray after refraction by the lens. (ii) Draw another ray from B which passes through F_2 after refraction by the lens. (iii) Locate the final image formed. (iv) Is the image real or inverted?



- Q.9.** Find the position, nature and size of the image of an object 3 cm high placed at a distance of 9 cm from a concave mirror of focal length 18 cm.
- Q.10.** With the help of ray diagrams, show the formation of the images of an object by a concave mirror. When it is placed : (i) beyond the centre of curvature (ii) at the centre of curvature.

2.Revise all the work done in science notebooks.

3• Make a portfolio and PowerPoint Presentation on the following topics as per your roll no's TOPIC:

1. Ecosystem
2. Environmental problems, Ozone depletion
3. Waste production and their solutions
4. Biodegradable and non biodegradable substances