

APS INTERNATIONAL SCHOOL, UJHANI
SUMMER HOLIDAY HOMEWORK (2024-25)
CLASS- X

SUBJECT- ENGLISH

Note: Kindly fill in optima English Language & Literature Practice Worksheets.

READING

Page NO. 23,24,25,26,27,28,29,30,31,32,33,34,35,36 & 37.
[Worksheet 01 to 05]

WRITING

Page No. 110,111,112,113
[Worksheet 05,06,07 & 08]

GRAMMAR

Page No. 143,148
[Tenses]

LITERATURE [FIRST FLIGHT PROSE]

Page No. 235,236,237,238, 239, 240, 241, 242, 277, 278, 279, 280, 281, 282]

**FOOTPRINTS WITHOUT FEET
[SUPPLEMENTARY READER]**

Page No. [313, 314, 315, 316 ,317 , 318, 319, 320]

SUBJECT- HINDI

1. भक्तिकाल के बारे में अध्ययन करें। भक्तिकाल की विभिन्न शाखाओं को रेखाचित्र के माध्यम से प्रस्तुत करते हुए, सूरदास के 'भ्रमरगीत' का सार लिखिए।
2. सुभाष चन्द्र बोस का संक्षिप्त परिचय (चित्र सहित) दीजिए। स्वतंत्रता आंदोलन में उनकी भूमिका को संक्षेप में रंखांकित कीजिए।
3. आपके निकट सामुदायिक केंद्र में रक्तदान शिविर का आयोजन किया जा रहा है। इस संदर्भ में एक आकर्षक विज्ञापन लेखन तैयार कीजिए।
4. देश में बढ़ती महँगाई के संदर्भ में दो महिलाओं के मध्य हुए संवाद को 80 शब्दों में लिखिए।

SUBJECT- MATHEMATICS

- 1- learn and write tables from 2 to 20.
- 2- Learn and write the squares and square roots from 1 to 30.
- 3- Make a project/Model on "Mathematics around us"
- 4- Do 15-15 questions from chapter- 1,2 & 8 from previous year question bank.
- 5- Practice of Hindu-Arabic Numbers from 1 to 100 which are using in daily life.

SUBJECT- SCIENCE

LAB MANUAL WORK

Write down the following practical in science lab manual.

1. Experimentally show that carbon dioxide is given out during respiration.
2. Determination of the focal length of: Unit-III i) Concave mirror ii Convex lens by obtaining the image of a distant object.
3. Preparing a temporary mount of a leaf peel to show stomata.
4. Performing and observing the following reactions and classifying them into:
 - A. Combination reaction
 - B. Decomposition reaction
 - C. Displacement reaction
 - D. Double displacement reaction
 - (i) Action of water on quicklime
 - (ii) Action of heat on ferrous sulphate crystals
 - (iii) Iron nails kept in copper sulphate solution
 - (iv) Reaction between sodium sulphate and barium chloride solutions

Do all the given questions in your subject notebooks.

PHYSICS

Question 1

A 5 cm tall object is placed perpendicular to the principal axis of a convex lens of focal- length 20 cm. The distance of the object from the lens is 30 cm. Find the:

- (i) position (ii) nature (iii) size of the image formed.

Question 2.

(a) Write two rules of the new Cartesian sign conventions for spherical mirrors.

(b) Trace the path of the reflected ray by drawing a figure if it passes from centre of curvature of a concave mirror.

Question 3.

Design an activity using concave mirror to prove that it is converging in nature. Also state a method to find its rough focal length

Question 4.

4.5 cm needle is placed 12 cm away from a convex mirror of focal length 15 cm. Give the location of image and magnification. Describe what happens to the image as the needle is moved farther from the mirror.

Question 5.

Rohit placed a pencil perpendicular to principal axis in front of a converging mirror of focal length 30 cm. The image formed is twice the size of the pencil. Calculate the distance of the object from the mirror.

Question 6.

Define magnification produced by a spherical mirror in terms of height of a object and image. How is it related to object and image distance? Explain why magnification is positive for virtual image and negative for real image?

Question 7.

An object is placed at a distance of 25 cm away from a converging mirror of focal length 20 cm. Discuss the effect on the nature and position of the image if the position of the object changes from 25 cm to 15 cm. Justify your without using mirror formula.

Question 8.

Write one similarity and one dissimilarity between image formed by plane mirror and convex mirror.

Question 9.

The linear magnification produced by a spherical mirror is +1/3. Analysing this value state the (i) type of mirror and (ii) position of the object with respect to the pole of the mirror. Draw any diagram to justify your

Question 10.

A concave mirror is used for image formation for different positions of an object. What inferences can be drawn about the following when an object is placed at a distance of 10 cm from the pole of a concave mirror of focal length 15 cm?

- (a) Position of the image
- (b) Size of the image
- (c) Nature of the image

Draw a labelled ray diagram to justify your inferences.

CHEMISTRY

Question 1

Explain the significance of photosynthesis.

Write the balanced chemical equation involved in the process.

Question 2.

Write balanced chemical equations for the following chemical reactions:

- (a) Hydrogen + Chlorine \rightarrow Hydrogen chloride
- (b) Lead + Copper chloride \rightarrow Lead chloride + Copper
- (c) Zinc oxide + Carbon \rightarrow Zinc + Carbon monoxide

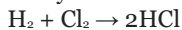
Question 3

Calcium oxide reacts vigorously with water to produce slaked lime.

Write the type of reaction and balanced chemical equations.

Question 4.

Study the following equation of a chemical reaction



- (i) Identify the type of reaction.
- (ii) Write a balanced chemical equation of another example of this type of reaction.

Question 5.

A compound 'A' is used in white washing. When dissolved in water, it evolves a large amount of heat and forms compound 'B'.

- (i) Identify A and B.
- (ii) Write chemical equation for the reaction of A with water.
- (iii) List two types of reaction in which this reaction may be classified.

Question 6.

Mention with reason the colour changes observe when:

- (i) silver chloride is exposed to sunlight.
- (ii) copper powder is strongly heated in the presence of oxygen.
- (iii) a piece of zinc is dropped in copper sulphate solution.

Question 7

Lead nitrate solution is added to a test tube containing potassium iodide solution.

- (a) Write the name and colour of the compound precipitated.
- (b) Write the balanced chemical equation for the reaction involved.
- (c) Name the type of this reaction justifying your answer.

Question 8

2 g of silver chloride is taken in a China dish and the China dish is placed in sunlight for sometime. What will be your observation in this case? Write the chemical reaction involved in the form of a balanced chemical equation. Identify the type of chemical reaction. (Delhi 2019)

Question 9

2 g of ferrous sulphate crystals are heated in a dry boiling tube.

- (a) List any two observations.
- (b) Name the type of chemical reaction taking place.
- (c) Write balanced chemical equation for the reaction and name the products formed.

Question 10

Decomposition reactions require energy either in the form of heat or light or electricity for breaking down the reactants. Write one equation each for decomposition reactions where energy is supplied in the form of heat, light and electricity.

BIOLOGY**Short answer type questions****Question 1**

Bile juice does not have digestive enzyme, but still play a significant role in the process of digestion. Justify the statement in detail.

Question 2

What are the functions of gastric glands present in the wall of stomach?

Question 3

With the help of an activity, explain the activity of saliva on the food we eat ?

Question 4

- i. Why is the nutrition unnecessary for an organism? State any two reasons.
- ii. What is likely to happen if producers disappear from earth?

Question 5

There are two enzymes, name, pepsin, and trips in almost have common functions. Then how are they different from each other? Explain about their secretion and role.

Long answer type questions**Question 1**

Mention the experiment to show that chlorophyll is necessary for photosynthesis

Question 2

Elaborate about the anatomy and physiology of liver and pancreas

Question 3

Diagram explain the nutrition in amoeba from ingestion to egestion.

Question 4

- a. What happens to the dental cavity when a person consumes sweet food like chocolates, etc. ? How did their affects be prevented?
- b. What is the role of teeth, tongue, and celery glands present in buccal cavity?

Question 5

Explain the digestion of a Chapati in human beings by depicting the diagram of human alimentary canal

SUBJECT- SOCIAL SCIENCE

Worksheet -1 Political-Science

MCQs Question:-

Q1- In Belgium, out of the total population, 59 per cent live in the Flemish region and speak _____ language.

- a) Dutch
- b) French
- c) English
- d) German

Q2- Choose the incorrect statement

- (a) Belgium and Sri Lanka are democracies.
- (b) Both of them dealt with the question of power-sharing similarly.
- (c) In Belgium, leaders realised that unity of the country was possible only by respecting the feelings and interests of all communities.
- (d) In Sri Lanka, majority community forced its domination over others and refused to share power.

Q3- Non-sharing of power leads to

- (a) peace among all the communities.
- (b) tyranny of the majority and oppression of the minority.
- (c) negation of the very spirit of democracy.
- (d) both (b) and (c)

Q4- What led to tensions between the Dutch-speaking and French-speaking communities in Belgium during the 1950s and 1960s?

- (a) Both the communities demanded special powers.
- (b) The minority French-speaking community was richer and more powerful than the majority Dutch-speaking community.
- (c) The majority Dutch-speaking community was richer and more powerful than the minority French-speaking community.
- (d) Both the communities were equal in socio-economic ladder and this was resented by the French-speaking community

Q5- Which of the statements about power-sharing arrangements in Belgium and Sri Lanka are correct?

- (a) In Belgium, the Dutch-speaking majority people tried to impose their domination on the minority French-speaking people.
- (b) In Sri Lanka, the policies of the government sought to ensure the dominance of the Sinhala-speaking majority.
- (c) The Tamils in Sri Lanka demanded a federal arrangement of power-sharing to protect their culture, language and equality of opportunity in education and jobs.
- (d) The transformation of Belgium from a unitary government to a federal one prevented the division of country on linguistic lines.

Q6- Which of the following was not one of the initial demands of the Sri Lankan Tamils?

- (a) Recognition of Tamil as an official language.
- (b) Regional autonomy.
- (c) Equality of opportunity in securing jobs and education.
- (d) Creation of an independent Tamil Eelam (state)

Worksheet -2 History

Q1 What do you mean by modern state and nation state.

Q2 a) Define Liberalism b) Conservatism c) Radical

Q3 What do you mean by suffrage?

Worksheet -3 Economics

Source-based Questions:

Q1- Read the following passage on 'Exhaustion of Natural Resources' given on Textbook Page 15 and then answer the questions that follow:

Region/Country	Reserves (2013) (Thousand Million Barrels)	Number of Reserves wi
Middle East	808.5	78.1
United States of America	44.2	12.1
World	1687.9	53.3

Source : BP Statistical Review of World Energy, June 2014

The table gives an estimate of reserves of crude oil (column 1). More important, it also tells us for how many years the stock of crude oil will last if people continue to extract it at the present rate. The reserves would last only 53 years more. This is for the world as a whole. However, different countries face different situations. Countries like India depend on importing oil from abroad because they do not have enough stocks of their own. If prices of oil increase this becomes a burden for everyone. There are countries like USA which have low reserves and hence want to secure oil through military or economic power. The question of sustainability of development raises many fundamentally new issues about the nature and process of development.

Q (i) Is crude oil essential for the development process in a country? Discuss.

(ii) India has to import crude oil. What problems do you anticipate for the country looking at the above situation?

Q2 Define:

- (i) Infant mortality rate
- (ii) Literacy rate
- (iii) Net attendance ratio
- (iv) BMI

3) Literacy Rate measures the proportion of the literate population in the _____ age group.

- a) 10 and above
- b) 21 and above
- c) 7 and above
- d) 18 and above

4) Net Attendance Ratio is the total number of children of the age group _____ attending school as a percentage of the total number of children in the same age group.

- a) 17 and 18 years
- b) 9 and 10 years
- c) 12 and 13 years
- d) 14 and 15 years

5) As per 2011, which among the following states has the highest literacy rate?

- a) Kerala
- b) Maharashtra
- c) Bihar
- d) Odisha

6) As per 2011, which among the following states has the highest infant mortality rate per 1000 live births?

- a) Kerala
- b) Bihar
- c) Maharashtra
- d) All of the above have the same infant mortality rate

7) From the given table in the chapter, which state has the highest net attendance ratio?

- a) Gujarat
- b) Maharashtra
- c) Kerala
- d) Bihar

8) Which of the following statements about money are true?

- a) Money cannot buy you a pollution-free environment.
- b) Money cannot ensure that you get unadulterated medicines.
- c) Money may also not be able to protect you from infectious diseases.

d) All of the above statements are true

Q9- Which of the following countries has higher HDI rank than India?(a) Sri Lanka

(b) Nepal

(c) Bangladesh

(d) Pakistan

Q10- Kerala has low Infant Mortality Rate because:(a) it has good climatic condition

(b) it has adequate infrastructure

(c) it has adequate provision of basic health and educational facilities

(d) it has poor net attendance ratio

Worksheet - 4

Q1- Which of the following countries has higher HDI rank than India?

(a) Sri Lanka

(b) Nepal

(c) Bangladesh

(d) Pakistan

Q2- Kerala has low Infant Mortality Rate because:

(a) it has good climatic condition

(b) it has adequate infrastructure

(c) it has adequate provision of basic health and educational facilities

(d) it has poor net attendance ratio

3) India comes in the category of _____ countries because its per capita income in 2012 was just US\$ 1530 per annum.

a) low middle income

b) middle income

c) high middle income

d) none of the above

Answer: Option (a)

4) Among the following states _____ has the highest per capita income as per 2012-13 figures.

a) Maharashtra

b) Bihar

c) Kerala

d) Jharkhand

Answer: Option (a)

5) Infant Mortality Rate (or IMR) indicates the number of children that die before the age of _____ as a proportion of 100 live children born in that particular year.

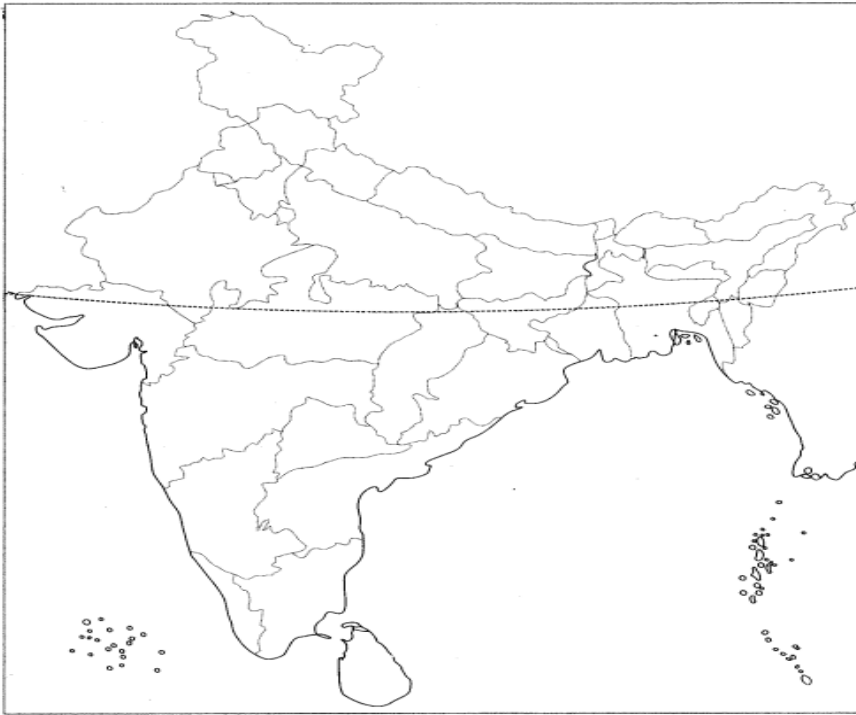
a) four years

b) one year

c) two years

d) three years

Q6- The different types of soils are found as mentioned In MAP : (All types of Soils)



SUBJECT- Information Technology

Note: - Take printout of this worksheet and solve it.

Q1. The origin of the word communication is _____

- A) Communicate
- B) Comunicare
- C) Compute
- D) Computer

Q2. Types of words used for verbal communication?

- A) Acronyms
- B) Simple
- C) Technical
- D) Jargons

Q3. The first language which we learn or speak as a child _____

- A) Jargon
- B) Dialect
- C) Mother Tongue
- D) Vernacular

Q4. Which of the following s a positive facial expression?

- A) Frowning while concentrating
- B) Maintaining eye contact
- C) Smiling continuously
- D) Rolling up your eyes

Q5. By what method we can know what the receiver understood or got the message

- A) transmitting
- B) feedback
- C) message
- D) listening

Q6. What is a sentence?

- A) A group of ideas.
- B) A group of words that communicate a complete thought.
- C) A set of rules to write correctly.
- D) A set of words that is grammatically correct

Q7. Which type of word is generally not used in verbal communication.

- A) Technical
- B) Simple
- C) Easy
- D) Local Language

Q8. _____ can be presented by face

- A) Gestures
- B) Body Language
- C) Para Language
- D) Expressions

Q9. _____ are a group of words that together act as a grammatical unit.

- A) Imperative
- B) Interrogative
- C) Phrase
- D) Exclamatory

Q10. Using abbreviations in communication leads to which type of communication barrier

- A) Language/ Linguistic
- B) Physical
- C) Cultural
- D) Organisational

Q11. which can be used to overcome the communication barrier

- A) Using a translator
- B) By writing a letter
- C) Not communicating at all
- D) Using your own language

Q12. Which of the following is NOT a communication barrier?

- A) Linguistic barrier
- B) Interpersonal barrier
- C) Financial barrier
- D) Organisational barrier

Q13. Straight body posture s what?

- A) Pride
- B) Professionalism
- C) Confidence
- D) Humility

Q14. Which of the following is a positive facial expression?

- A) Staring hard
- B) Wrinkled forehead
- C) Looking somewhere else
- D) Nodding while listening

Q15. Which type of words should be used for good communication?

- A) Acronyms
- B) Technical
- C) Jargons
- D) Simple

Q16. Sending a letter is which type of communication?

- A) Listening
- B) Writing
- C) Speaking
- D) Reading

Q17. Which of the following is not an element of the communication cycle?

- A) Channel
- B) Receiver
- C) Time
- D) Sender

Q18. Written communication can be classified in which type of communication?

- A) Non-verbal
- B) Verbal
- C) Visual
- D) None of these

Q19. . is the exchange of messages in the communication cycle.

- A) Transmitting
- B) Listening
- C) Message
- D) Feedback

Q20. The abilities to communicate properly are:

- A) read
- B) write
- C) speak
- D) all of these

Q21. Which of the following is an example of negative feedback?

- A) You can dance better.
- B) Your Dance was good but you can do better.
- C) Your Dance skill is not really good. You have to practise more.
- D) None of the above

Q22. . is not a communication barrier?

- A) Language
- B) Culture
- C) Habits
- D) Physical

Q23. The communication cycle does not include

- A) sender
- B) message
- C) receiver
- D) programming

Q24. Which of the following is quick and clear method of communication

- A) e-mail
- B) notices/posters
- C) face-to-face informal communication
- D) business meetings

Q25. Which method is good for taking leave in the office.

- A) Website
- B) notices/posters
- C) e-mail
- D) business meetings

Q26. The word Commūnicāre means _____ in Latin.

- A) to deliver
- B) to share
- C) to present
- D) to sacrifice

Q27. To understand the message properly the receiver need to _____ the message properly.

- A) transmit
- B) throw
- C) listen
- D) ignore

Q28. Keeping shoulders straight right and body relaxed is an example of:

- A) Facial Expressions
- B) Posture
- C) Gesture
- D) Eye contact

Q29. Aural communication is based on ..

- A) Body language
- B) Language and tone of voice
- C) Facial expressions
- D) Listening and Hearing

Q30. Visual communication are dependent on what factors?

- A) Signs, symbols and pictures
- B) Text messages
- C) Posture
- D) Body language

Q31. What is the final step in the communication cycle?

- A) Encoding
- B) Decoding
- C) Feedback
- D) Receiving

Q32. Which type of feedback supports student development from their current level of achievement?

- A) Specific Feedback
- B) Descriptive Feedback
- C) Non-Specific Feedback
- D) None of the above

Q33. If there is the absence of feedback then it will lead to

- A) Mistrust
- B) Communication Barrier
- C) Interference
- D) None of the above

Q34. It is a word used in place of a noun that is

- A) Pronoun
- B) Verb
- C) Adverb
- D) Preposition

Q35. A word used to express emotion and is often followed by an exclamation mark is called

- A) Preposition
- B) Conjunction
- C) Adverb
- D) Interjection

Q36. Which part of the sentence contains two independent clauses joined by conjunction?

- A) Compound Sentences
- B) Simple Sentences
- C) Complex Sentences
- D) Compound-Complex Sentences

Q37. The process in which the receiver interprets and understands the message is called .

- A) Decoding
- B) Encoding
- C) Feedback
- D) None of these

Q38. .. is an instance of non-verbal communication.

- A) A speech
- B) Proximity
- C) A notice
- D) An e-mail

Q39. Which of the following is an example of oral communication?

- A) Newspapers
- B) Letters
- C) Phone call
- D) e-mail

Q40. "Two girls talking over a phone" – is an example of.

- A) inter personal communication
- B) written communication
- C) small group communication
- D) public communication

Q41. Pointing finger to something is an example of..

- A) Expressions
- B) Gestures

- C) Body Language
- D) Para Language

Q42. which of the following includes the tone, speed and volume of voice

- A) Eye Contact
- B) Body Language
- C) Para Language
- D) Gestures

Q43. Which communication method does not require any language to understand?

- A) Verbal
- B) Non-Verbal
- C) Visual
- D) None of these

Q44. Which is the suitable method to overcome communication barriers?

- A) Use visuals
- B) Take the help of a translator
- C) Always be respectful in other's opinion
- D) All the Above

Q45. Identify the noun(s): Radhika went to the park for a picnic.

- A) Radhika and picnic
- B) park and picnic
- C) Radhika and Park
- D) went

Q46. Which one of the following is prepositions?

- A) And
- B) The
- C) Under
- D) Because

Q47. Rakesh is playing with football – Identify the verb

- A) Rakesh
- B) Football
- C) Playing
- D) None of the above

Q48. The frog jumped quickly – Identify the adverb

- A) The
- B) Quickly
- C) jump
- D) frog

Q49. Identify the Pronoun(s): Raju is a brave boy. He wen to the forest at night.

- A) He
- B) Raju
- C) brave
- D) boy

Q50.. is not a communication barrier.

- A) Language
- B) Culture
- C) Physical
- D) Habit

happy

dreamstime.

