



- H A P P Y -

Summer Holiday!

*Hope your summer holiday is filled with
laughter, love, and lots of sunshine!*

DAV PUBLIC SCHOOL
YAMUNANAGAR
CLASS X

WHAT I LIKE ABOUT ME

NAME :

Things I am good at:

[illegible]

THINGS ABOUT ME!

My favourite music

My favourite place

My favourite T.V. Programme

My favourite food

I get angry when

I worry about

I look forward to

I want to be

This makes me happy

This is my favourite animal

This is important to me

WHAT I LIKE AND DO NOT LIKE ABOUT MYSELF...

Name :

What I like about myself

What I do not like about myself

Would I change anything about myself?

Holiday Homework

CLASS X

SUBJECT English

General Instructions

- 1.Students to do the Holiday homework themselves under the guidance of parents.
- 2.Only one model/project will be allotted roll no wise in one subject which they can select from options given .
- 3.Holiday homework to be done on the assignment sheets.

General HW

- 1.Revise all the work done in the classroom

Creative Corner

- 1.Make an attractive dictionary
- 2.Design your own magazine.

HOW TO DO

- Index
 - Introduction
 - Poems
 - Gk quiz
 - Puzzles and games based on tenses, verbs, prepositions and conjunctions
 - Story
 - Jokes
 - Kid's corner
 - Zodiac prediction
 - Recipe
 - Riddles
 - Interview of any famous personality
- 4.Revise Syllabus of PT1

Project /Model

Kindly Use Waste Material

Project work:

Prepare a project on the writers of Haryana and Telangana with their pictures and their work (mention at least five writers).

CRAB Worksheet

LETTER TO GOD

Q.1. Answer the following questions in 30-40 words:

1. What were Lencho's feelings when he found the letter with money in it? What did

he do after opening the letter?

2. How far would you agree that one's positivity can bring in a spark of brightness even in adverse circumstances'?

3. What impression do you form of the postmaster after reading the story 'A Letter to God'?

5. Did the letter reach God? Why did the postmaster send a reply to Lencho?

6. Lencho describes the post office employees as "a bunch of crooks."

(i) Were they really a bunch of crooks?

(ii) How would you describe them?

Q.2 Answer the following questions in 100-120 words:

1. Lencho received the money and a letter from God yet he was not happy. Do you think he did not know the pleasure of being grateful to others? Reflecting on the values required to lead a happy life, explain in your words.

2. The postmaster represents such people who still believe in helping others. Mention those values of the postmaster which you would like to emulate in yourself.

Q.3 Read the following lines and answer the questions that follow :

1. "Now we're really going to get some water woman."

Is the speaker sure that it is going to rain? Give a reason for your answer.

2. "These are not raindrops falling from sky, they are the new coins." What are the raindrops compared to and why?

3. "A plague of locusts would have left more than this." What loss is being referred to in above line?

4. "If you don't help me, my family and I will go hungry this year." What is Lencho asking for and why?
Who is 'you' in above line?

Dust of Snow

1. The poet was in _____ mood.

- a. Cheerful
- b. Pensive
- c. Emotional
- d. Stressed

2. The poet was standing below tree.

- a. Cherry
- b. He
- mlock c. Tea
- d. Palm

3. The bird mentioned here is

- a. Parrot
- b. Crow
- c. Sparrow
- d. Swallow

4. The climate was

- a. Sunny
- b. Cloudy
- c. Snowy
- d. Clear

5. The word 'rued' means.....

- a. Happy
- b. Emotional
- c. Depressed
- d. Cheerful

6. Hemlock tree is a tree

- a. Poisonous
- b. Useful
- c. Medicinal
- d. DDivine

7. In the end, the poet's mood

- a. Cheerful
- b. Sad
- c. Angry
- d. Constant

8. Hemlock tree Represents

- a. Happiness
- b. Sorrow
- c. Emotional

d. Bad tempered

9. The poet's mood underwent a change after.....

- a. meeting the hemlock tree
- b. enjoying the nature
- c. feeling the snow particles
- d. looking at the crow

10. The crow represents

- a. goodness
- b. sorrow
- c. greatness
- d. peace

Fire and Ice

11. Indifference stands for.....

- a. Fire
- b. Ice

12. Intolerance stands for.....

- a. Fire
- b. Ice
- c. Both

13. The poet agrees that the world will end in fire.

- a. True
- b. False

14. People think that only fire is responsible for the destruction of the world.

- a. True
- b. False

15. Firstly the poet agrees that _____ is responsible for the destruction of the world.

- a. Fire
- b. Ice
- c. Both

16. Anger is signified by

- a. Fire
- b. Ice
- c. Both

17. The word perish means

- a. alive
- b. create
- c. destroy
- d. manage

18. Ice is also sufficient to destroy the world.

- a. True
- b. False

19. But if it had to perish twice. Here it means.

- a. World
- b. Fire
- c. Ice
- d. Hatred

20. Insensitivity belongs to

- a. Fire
- b. Ice

21. The word suffice means

- a. enough
- b. less
- c. more
- d. great
- e.

The Thief's Story

Challenging

Answer in 120-150 words

1. The thief's story is an in-depth study of the human mind. Discuss.
2. Money can't make a man as much as education can. Elucidate this statement with reference to the 'The thief's story'.

Recap Questions

1. Why did Hari Singh want to be friends with Anil?
2. What does Hari Singh get in return from Anil for his work?
3. The narrator followed Anil 'casually'. Why?
4. What made Hari Singh come back to Anil?

Advanced Questions

1. Why does Anil not hand the thief over the police?
2. Do you think people like Anil & Hari Singh are found only in fiction, or are there such people in real life?
3. Education, love and sympathy can transform even a thief. How is this true in the case of Hari Singh?

Basic questions

1. What was the name of the shop above which Anil lived?
2. Where did Hari Singh go after stealing money from Anil?
3. What match was Anil watching?
4. Why was it difficult for Hari to rob Anil?
5. Why was the station closed?

Integrated Grammar

1. Fill in the blank by choosing the correct option to complete the following.

The crowd _____ the police barriers and attacked the hunters.

- a) broke up
- b) break up
- c) break through
- d) broke through

2. Report the dialogue between a mother and her daughter, by completing the sentence:

Mother: Why are you looking so worried?

Daughter: My exams are approaching.

In response to the question about being worried, the daughter said that _____.

3. Select the correct option to fill in the blank for the given line, from an article on Global Warming.

Global warming _____ also have a major impact on habitats.

- a) could
- b) might
- c) can
- d) may

4. Select the option that identifies the error and supplies the correction for the following line, from a news report:

These exams open doors to higher education, improve employment opportunities and increase option.

Option no.	Error	Correction
A	these	this
B	open	opens
C	to	for
D	option	options

5. My father _____ English at all although he _____ it for three years when he was in high school.

- a) hasn't been speaking / studies
- b) isn't speaking / has studied
- c) wasn't speaking / is studying
- d) doesn't speak / studied

6. Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:

I _____ (entreat) you address this at your earliest convenience and issue the recommendation letters.

7. Report the dialogue between a student and his teacher, by completing the sentence:

Student: Please explain it again.

Teacher: Acid reacts with a base to form salt.

In response to a student's request to explain that again, the teacher said that _____.

8. Identify the error and supply the correction, for the following:

VACCINATE YOURSELF TO COMBAT CORONA

No prior appointment required, Walk-in & get your jab

Facility are available for 18 years and above Health Department, Chandigarh Administration.

9. It was a cease-fire, and the commander was checking a few things before sending a troop. Report the commander's question.

Do our soldiers have enough weapons?

10.Fill in the blank by choosing the correct option, to complete the slogan for Earth Day.

PLASTIC _____ BE FANTASTIC BUT GREEN IS CLEAN!

- a) CAN
- b) MAY
- c) MUST
- d) WILL

11.Complete the sentence in reported speech:

He said, "I like this song."

He said that _____.

- a) he liked this song
- b) he likes this song
- c) he liked that song
- d) he was like that song

12.Select the option that identifies the error and supplies the correction for the following line, from a news report:

A school has adopted safety measures like screening of everyone who enters school premises and special sanitization of the school as per WHO guidelines.

Option no. Error Correction

- | | | |
|----|--------|-------|
| A. | a | the |
| B. | has | have |
| C. | enters | enter |
| D. | the | a |

13.Fill in the blank by choosing the correct option to complete the following.

Just _____ the main points, not everything the lecturer says.

- a) took down
- b) take along
- c) took up
- d) take down

14.Read the conversation and complete the sentence by reporting the reply correctly.

Anne: I want to order a big pineapple cake for my birthday.

Confectioner: When is your birthday?

Annie told the confectioner _____. The confectioner asked when her birthday was.

15.Fill in the blank by choosing the correct option, to complete a warning against smoking.

Smoking _____ cause cancer.

- a) MUST
- b) WILL
- c) CAN
- d) MAY

16.Select the option that identifies the error and supplies the correction for the following line, from a news report:

Education plays an important role in building the individual's identity and personality.

Option no.	Error	Correction
A	plays	play
B	an	a
C	in	for
D	the	An

17. She invited me to dinner. But it _____ two years since I _____ to her house. So I lost my way.

- a) is / went
- b) was / had gone
- c) is / have - been
- d) had been / went

18. Fill in the blank by using the correct form of the word in the bracket, for the given portion of a letter:

Such posters _____ (impact) youngsters negatively and can be hazardous to their self-esteem.

19. Report the dialogue between Joe and Lois, by completing the sentence:

Joe: Do you know Italian?

Lois: I don't speak Italian.

In response to the question about knowing Italian, Lois says that _____.

20. Identify the error and supply the correction, for the following:

Delhi Government

COVID-19 FAMILY FINANCIAL ASSISTANCE SCHEME

An assistance of ₹50,000/- will be given to all family living in Delhi on each death of any family member due to COVID-19, whether or not they were earning members.

PT- 1 Syllabus

- 1. A letter to God
 - 2. The Thief's Story
 - 3. Dust of Snow
 - 4. Fire and Ice
- Grammar

BEST WORK WILL BE AWARDED.

कक्षा दसवीं

ग्रीष्मावकाश कार्य 2025-2026

विषय- हिंदी

👉 संचयन पुस्तक में से हरिहर काका कहानी पढ़ें तथा पाठ का मूल भाव/उद्देश्य समझते हुए वृद्धाश्रम के किसी वृद्ध व्यक्ति अथवा आसपास के किसी बुजुर्ग से साक्षात्कार करें। उनके जीवन की कहानी को अपने पाठ से जोड़ते हुए एक परियोजना कार्य अथवा एक छोटी-सी डोक्यूमेंटरी तैयार करें। सहायक बिंदु संयुक्त परिवारों का विघटन, बुजुर्गों की स्थिति, स्वार्थ पर टिके रिश्ते, नैतिक व धार्मिक मूल्यों का हनन, वृद्धाश्रम की बढ़ती संख्या, प्रभाव, समस्याएं व समाधान आपकी भूमिका, योगदान और सहयोग।

संबंधित विषय सामाजिक विज्ञान, कंप्यूटर।

👉 अपने घर परिवार के बुजुर्ग सदस्यों से कोई लोक कथा सुनें और उस स्थान विशेष की या मणिपुर राज्य की विस्तृत जानकारी प्राप्त कर ; वहां की भौगोलिक, आर्थिक, सामाजिक, धार्मिक विशेषताओं के साथ-साथ वहां की सभ्यता और संस्कृति की अपने राज्य के साथ तुलना पीपीटी अथवा परियोजना कार्य के रूप में प्रस्तुत करें।

संबंधित विषय सामाजिक विज्ञान, कंप्यूटर ।

कार्य प्रपत्र 1

1. 'हरिहर काका' पाठ में जिस यथार्थ को उजागर किया गया है, उससे आपको क्या सीख मिलती है?
2. हरिहर काका के परिवार वालों का बदलता व्यवहार आपको क्या सोचने के लिए विवश करता है? कहानी के आधार पर बताएं।
3. अंत में हरिहर काका द्वारा जमीन के बारे में लिया जाने वाला निर्णय क्या था और वह परिवार के मूल्यों को किस परिस्थिति में प्रभावित करता है और कैसे? यह स्थिति हर व्यक्ति को क्या संदेश प्रदान करती है?
4. समाज में रिश्तों की क्या अहमियत है? इस विषय पर अपने विचार उदाहरण सहित स्पष्ट करें।
5. क्या महंत और हरिहर काका के भाइयों को एक ही श्रेणी में रखा जा सकता है? अपनी कथन का समर्थन उदाहरण सहित स्पष्ट करें।

कार्य प्रपत्र 2

1. निम्नलिखित गद्यांशों को पढ़कर प्रश्नों के दिए गए विकल्पों में से उचित विकल्प का चयन कीजिए।

1. उसका व्यक्तित्व तो आकर्षक था ही , साथ ही आत्मीय स्वभाव की वजह से लोग उसके करीब रहना चाहते। पारंपरिक पोशाक के साथ वह अपनी कमर में सदैव एक लकड़ी की तलवार बांधे रहता । लोगों का मत था, बावजूद लकड़ी की होने पर ,उस तलवार में अद्भुत दैवीय शक्ति थी । ततार्रा अपनी तलवार को कभी अलग न होने देता । उसका दूसरों के सामने उपयोग भी न करता । किंतु उसके चर्चित साहसिक कारनामों के कारण लोग -बाग तलवार में अद्भुत शक्ति का होना मानते थे । ततार्रा की तलवार एक विलक्षण रहस्य थी । एक शाम ततार्रा दिन भर के अथक परिश्रम के बाद समुद्र किनारे टहलने निकल पड़ा । सूरज समुद्र से लगे क्षितिज तले डूबने को था । समुद्र से ठंडी बयारें आ रही थी । पक्षियों की सायंकालीन चहचहाहटें शनैःशनैःक्षीण होने को थी। उसका मन शांत था।विचार मग्न ततार्रा समुद्री बालू पर बैठकर सूरज की अंतिम रंग -बिरंगी किरणों को समुद्र पर निहारने लगा। तभी कहीं पास से उसे मधुर गीत गूंजता सुनाई दिया। गीत मानो बहता हुआ उसकी तरफ आ रहा हो ।

क) ततार्रा कैसी पोशाक पहनता था ?

- | | |
|----------------|----------------|
| i). आधुनिक | ii). साधारण |
| iii). पारंपरिक | iv). डिजाइनदार |

ख) ततार्रा की तलवार किसकी बनी हुई थी ?

- | | |
|---------------|---------------|
| i). चांदी की | ii). लकड़ी की |
| iii). लोहे की | iv). सोने की |

ग) समुद्र से क्या आ रही थी ?

- | | |
|--------------------|-------------------------|
| i). ठंडी बयारें | ii) ठंडी लहरें |
| iii). ठंडी बौछारें | iv). रंग -बिरंगी किरणें |

घ) ततार्रा को समुद्र के किनारे क्या सुनाई दिया?

- | | |
|-------------------------|-------------------|
| i). पक्षियों की चहचहाहट | ii). लहरों का शोर |
| iii). हवाओं की सरसराहट | iv). मधुर गीत |

ड) ततार्रा किसे अपने से कभी अलग नहीं करता था?

- | | |
|----------------|---------------------|
| i). पोशाक को | ii). दैवीय शक्ति को |
| iii). तलवार को | iv). द्वीप को |

२. ठीक 4:10 पर सुभाष बाबू जुलूस लेकर आए। उनको चौरंगी पर ही रोका गया, पर भीड़ की अधिकता के कारण पुलिस जुलूस को रोक नहीं सकी। मैदान के मोड़ पर पहुंचते ही पुलिस ने लाठियां चलानी शुरू कर दी। बहुत आदमी घायल हुए ,सुभाष बाबू पर भी लाठियां पड़ी। सुभाष बाबू बहुत जोरों से वंदे मातरम

बोल रहे थे। ज्योतिर्मय गांगुली ने सुभाष बाबू से कहा- आप इधर आ जाइए। पर सुभाष बाबू ने कहा कि आगे बढ़ाना है।

क) प्रस्तुत गद्यांश के पाठ का नाम बताएं ।

i). बड़े भाई साहब

ii). गिरगिट

iii). डायरी का एक पन्ना

iv). तर्तारा वामीरो कथा

ख) स्मारक के नीचे सभा स्थल की ओर जुलूस लेकर कौन जा रहे थे?

i). सुभाष बाबू

ii). धर्मेश बाबू

iii). हरीश बाबू

iv). रोहन बाबू

ग) सुभाष बाबू कितने बजे जुलूस लेकर आए?

i). 4:30 पर

ii). 4:20 पर

iii). 4:10 पर

iv). 4:50 पर

घ) जुलूस को कहाँ पर रोका गया?

i). नौरंगी पर

ii). चौरंगी पर

iii). तिरंगी पर

iv). पंचरंगी पर

ड) सुभाष बाबू जोर से क्या बोल रहे थे ?

i). जन गण मन

ii). भारत माता की जय

iii). इंकलाब जिंदाबाद

iv). वंदे मातरम

3. निम्नलिखित प्रश्नों के उत्तर लिखें।

क) डायरी का एक पन्ना पाठ से क्या संदेश मिलता है?

ख) 26 जनवरी 1931 के दिन को अमर बनाने के लिए क्या-क्या तैयारी की गई ?

ग) तर्तारा वामीरो की त्यागमयी मृत्यु से निकोबार में क्या परिवर्तन आया ?

घ) प्राचीन काल में मनोरंजन और शक्ति प्रदर्शन के लिए किस प्रकार के आयोजन किए जाते थे?

DAV PUBLIC SCHOOL, YNR
Holiday Assessment
Class X

HOLIDAY HOMEWORK Maths

Do ch -Real numbers, polynomial,linear equation in two variables,quadratic equations,introduction to trigonometry, statistics and probability from ncert and ncert exemplar.

Do 10 subject enrichment activity.

SCIENCE PROJECT

Fostering cultural exchange and understanding between states and Union Territories (UTs) in India, with a goal of promoting unity and strength, students are supposed to

Prepare a project on Topic: Ek Bharat Shreshtha Bharat under following headings


*Art integration

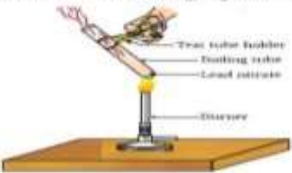
*Cultural heritage

*Development in the field of science and technology

CHEMISTRY WORKSHEET

CHAPTER - 1

Name of the Student : _____ Class & Division : X---- Roll Number : -----		
1.	What is the need to balance a chemical equation?	1
2.	Define Rancidity.	1
3.	Which one is a chemical change? Electrolysis of water or sodium chloride exposed to sunlight?	1
4.	Write a balanced chemical equation to represent the following reaction. Carbon monoxide reacts with hydrogen gas at 340 atm. to form methyl alcohol.	1
5.	White silver chloride turns grey in sunlight. Why?	1
6.	Why are bags of chips flushed with nitrogen gas?	1
7.	Which is the brown coloured gas evolved when lead nitrate crystals are heated in a dry test tube?	1
8.	Write a balanced chemical equation to represent the following reaction: Iron reacts with steam to form Iron (II, III) oxide and hydrogen gas.	1
9.	Write any one example of an endothermic reaction and exothermic reaction.	1
10.		2

	(a) Write a balanced chemical equation involved in the above reaction. (b) Write one use of the solution of the product formed in the above reaction.	
11.	What is the colour of $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ crystals? How does this colour change upon heating? Give balanced equation for the changes.	2
12.	A magnesium ribbon is burnt in oxygen to give a white compound 'X' accompanied by emission of light. If the burning ribbon is now placed in an atmosphere of nitrogen, it continues to burn and forms a compound 'Y'. (a) Write the chemical formulae of X and Y. (b) Write a balanced chemical equation, when X is dissolved in water.	2
13.	Observe the following figure and answer the questions.  (a) Identify the type of reaction. (b) Write a balanced chemical equation for the reaction. (c) What are the gaseous products formed in this reaction	2
14.	A substance 'X', which is an oxide of a group 2 element, is used intensively in the cement industry. This element is present in bones also. On treatment with water it forms a solution which turns red litmus blue. Identify 'X' and also write the chemical reactions involved.	2
15.	What changes do you observe in the iron nails and colour of copper sulphate solution if the iron nails are dipped in CuSO_4 solution for 15 minutes?	2
16.	A shiny brown coloured element 'X' on heating in air becomes black in colour. Name the element 'X' and the black coloured compound formed. Write the chemical equation for the reaction.	2
17.	A solution of potassium chloride when mixed with silver nitrate solution, an insoluble white substance is formed.	2

	(i) Translate the above statement into a chemical equation. (ii) State two types for this reaction.	
18.	Differentiate between photochemical and thermal decomposition reactions.	2
19.	What is the chemical formula of rust? Give conditions for rusting.	2
20.	(a) Why do silver articles turn black when kept in the open for a few days? Name the phenomenon involved. (b) Name the black substance formed and give its chemical formula.	2
21.	An aluminium can is used to store Ferrous sulphate solution. It is observed that in few days holes appeared in the can. Explain the observation and write chemical equation to support your answer.	2
22.	Respiration is an exothermic reaction. Explain why?	2
23.	Write a balanced chemical equation for each of the following reactions and also classify them. (a) Lead acetate solution is treated with dilute hydrochloric acid to form lead chloride and acetic acid solution. (b) A piece of sodium metal is added to absolute ethanol to form sodium ethoxide and hydrogen gas.	3
24.	Aqueous solutions of lead nitrate and potassium iodide are mixed together. What change in colour will you observe? Write balanced equation for the reaction and the type of the reaction.	3
25.	In the refining of silver, the recovery of silver from silver nitrate solution involves displacement by copper metal. Why? Also write down the reaction involved.	3
26.	What is Redox reaction? Identify the reducing agent and oxidizing agent in the following reactions. (a) $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$ (b) $\text{Fe}_2\text{O}_3 + 3\text{CO} \rightarrow 2\text{Fe} + 3\text{CO}_2$ (c) $4\text{NH}_3 + 5\text{O}_2 \rightarrow 4\text{NO} + 6\text{H}_2\text{O}$	3

☆ Revise Notes & Exercise of Chapter 1.

BIOLOGY

1.Revise life processes

2.Draw diagrams & any one model

i)Section of leaf

ii)Stomata

iii)Human alimentary canal

iv)Villi

v)Human respiratory system

vi)Flow Chart showing path of food through oral cavity to large intestine

vii)Various pathways of break down of glucose

viii)The Human heart

ix) Human urinary system
x) Nephronology

PHYSICS

☆NCERT and board questions of ☆chapter reflection and refraction of light
☆Flowchart of reflection and refraction
☆Project:: collect the different type of mirror and different type of lenses and make a project file
Class X

Holiday Homework (10th Class)

Class 10

Social Science Holidays homework

1. Prepare a project on Climate Conditions and Religion of Haryana and Manipur (Ek Bharat Shreshth Bharat)
2. Prepare a detailed project on any one of the following topics,

Project 1:- Consumer Rights

- a. Different types of consumers rights that you have as a consumer.
- b. COPRA
- c. Role of courts in implementation of consumer rights.
- d. How you can spread consumer awareness.
- e. Case study

Project 2:- Social Issues

(Students may select any one topic related with social issues. Some suggested topics are given below)

- a. Gender issue
- b. Caste issue
- c. Linguistic diversity
- d. Regionalisation
- e. Economic disparities
- f. Religious diversity
- g. Environmental issue

Project 3:- Sustainable Development

- a. Meaning of sustainable development
- b. Issue of sustainable development
- c. Importance of sustainable development
- d. Meetings/reports/summit related to sustainable development
- e. Current status of development

Holiday Homework (10th Class)

3. Read and learn PT-1 syllabus
Chapter 1 Economics

Chapter 1 History

Chapter 1 Geography

Chapter 1 political science
4. Complete all the written work of Chapters done in class (Mind map, Summary, NCERT Questions)
5. Do comparative activity focusing on the images of Germania, Bharat Mata and Marine from chapter 1 History Nationalism in Europe.
6. Do picture observation questions with pictures (pasted) of chapter Nationalism in Europe and Power Sharing in your notebook.
7. Complete the following assignments

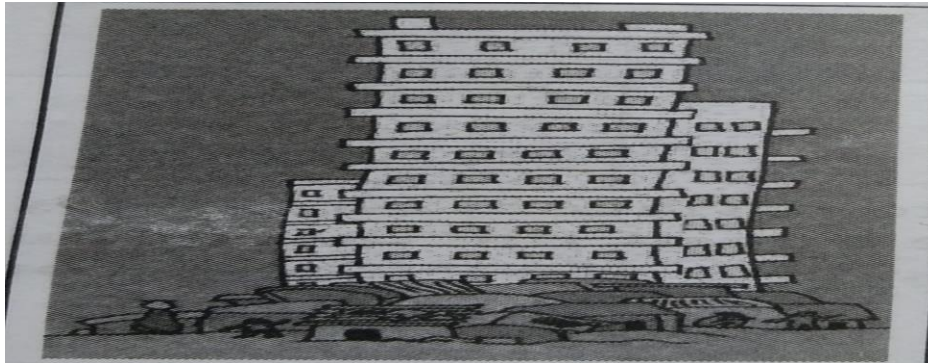
Assignment of Economics

Chapter – 1 Development

1. Which one of the following is the correct meaning of 'Average Income'?
 - (a) The total income of the country divided by its earning population.
 - (b) The total income of the country divided by its total population.
 - (c) The total income of all the residents of the country.
 - (d) The total income from the domestic and foreign sources.
2. Which one of the following sectors shows the highest share in employment in 2017-18, in India?
 - (a) Primary
 - (b) Secondary
 - (c) Tertiary
 - (d) Quaternary
3. Groundwater is an example of:
 - (a) renewable resources
 - (b) development of public facilities
 - (c) sustainable development
 - (d) human development

Holiday Homework (10th Class)

4. Look at the image given below.



Which of the following goals of development should be prioritized in this region?

- (a) reducing, income disparities (b) combatting climate change
(c) ending gender violence (d) ensuring caste equality
5. Which one of the following best describes Human Development Index (HDI)?
- (a) Improvement in science, information and technology
(b) Improvement in health, education and income
(c) Improvement in information and communication
(d) Improvement in investment, finance and technology
6. "Consequences of environmental degradation do not respect National or State boundaries." Which of the following is the essence of this statement?
- (a) Economic Development (b) Human Development
(c) Sustainable Development (d) National Development
7. Read the following data and information carefully and select the most appropriate answer from the given options: [CBSE Sample Paper 2022]

Table for Comparison of Three Countries					
Country	Monthly income of citizens in 2007 (in Rupees)				
	I	II	III	IV	V
Country A	9,500	10,500	9,800	10,000	10,200
Country B	500	500	500	500	48,000
Country C	5,000	1,000	15,000	4,000	25,000

Rita is an employee of a multinational company who gets transferred to different countries after every three years of service. She has been given an opportunity to choose any one out of the three countries mentioned in the table above as her next job location. She calculates average income of all these countries as per the given data and chooses to be transferred to Country A.

Identify the reason for which Rita has chosen country A.

- (a) Most of its citizens are rich and stable
(b) Has most equitable distribution of income
(c) National income of its citizens is higher
(d) Average income of its citizens is lower

Holiday Homework (10th Class)

8. Vijay is undernourished as his weight is 45 kgs and his height is 1.78 meters. Find out his Body Mass Index (BMI) from the following options.

(a) 12.6 (b) 13.5 (c) 14.2 (d) 15.2

9. Given below is the income distribution of two fictional countries, each with a population of 5 persons. Which of them would have a wide gap between the rich and poor?

Country	Person I	Person II	Person III	Person IV
P	9,500	10,500	9,800	10,800
Q	500	600	700	800

(a) Country P (b) Country Q
(c) Both P and Q (d) Neither P nor Q

10. Which of the following gives the correct explanation of Gross Domestic Product?

(a) The value of final goods and services is added for secondary and tertiary sector for one year.
(b) The value of every good and service is added up to for all the three sectors for one year.
(c) The value of final goods and services is added up to for all the three sectors for one year.
(d) The value of goods is added for the primary sector for one year.

11. As of 2020, India is the 6th largest economy in the world, but is ranked low in per capital income. What can be the reason for this?

(a) low foreign investments (b) low GDP growth rate
(c) high mortality rate (d) high poverty

12. Read the given data in the table and find out the average monthly income of Country P.

[CBSE 2023]

Country	Person I	Person II	Person III	Person IV
P	9,500	10,500	9,800	10,000
Q	500	600	700	800

(a) 9,500 (b) 9,950 (c) 10,500 (d) 10,060

13. Identify the incorrect statement regarding the criterion used by World Bank to classify countries:

(a) Countries with per capita income of US\$ 49,300 per annum and above in 2019, are called high income countries or rich countries.
(b) Countries with per capita income of US\$ 2500 or less in 2019 are called low-income countries.
(c) India comes in the category of high-income countries.
(d) The rich countries, excluding countries of Middle East and certain other small countries, are generally called developed countries.

Holiday Homework (10th Class)

14. Which of the following is the most important component for comparing different countries? [CBSE Sept. 2010, 2012, 2023]
(a) Population (b) Income (c) Per capita income (d) Resources
15. Literacy rate measures the proportion of literate population in the _____ and above age group.
(a) Five (b) Six (c) Seven (d) Eight
16. "Kerala has low infant mortality rate." Which of the following is appropriate reason for the same? [CBSE Sept. 2010, 2012]
(a) It has adequate provision of basic health and educational facilities.
(b) It has highest per capita income. (c) It has natural resources.
(d) The government of Kerala is very efficient.
17. In which state in India is the infant mortality rate lowest? [CBSE Sept. 2011]
(a) Kerala (b) Bihar (c) Uttar Pradesh (d) Punjab
18. Infant mortality rate refers to the number of the children that die:
(a) Before the age of one year as a proportion to 1000 live births in that particular year.
(b) Before the age of five years as a proportion to 1000 live births in that particular year.
(c) Before the age of one year as a proportion to 100 live births in that particular year.
(d) Out of 1000 live births in that particular year.
19. Which of the following is most likely to be a development goal for landless rural labourers: [CBSE Sept. 2011]
(a) Highest support prices for their crops.
(b) They should be able to settle their children abroad.
(c) Raised wages. (d) None of these.
20. Which one of the following is also called average income? [CBSE Sept. 2010]
(a) National Income (b) Per Capita Income
(c) Total Income (d) All the mentioned above
21. Life expectancy at birth means: [CBSE Sept. 2011]
(a) average expected length of life of a person at the time of birth.
(b) average expected length of a life of a person at time of death.
(c) average expected length of a child at time of birth.
(d) none of above.
22. Which one of following statements defines 'Literacy Rate'? [CBSE Sept. 2011]
(a) Total literate population divided by total population.
(b) Total literate population divided by total literate population.
(c) Proportion of literate population in the 18 and above age group.
(d) It measures the proportion of literate population in the 7 years and above age group.

Holiday Homework (10th Class)

23. Which of the following do we get when we divide the National Income of a country by its total population? [CBSE Sept. 2011, 2012]
- (a) Per Capita Income (b) Gross Development Product
(c) Human Development Index (d) None of the above
24. Which of the following is TRUE with respect to Human Development Report ?
- (i) It is published by UNDP
(ii) It compares countries based on per Capita Income.
- (a) Only (i) (b) Only (ii)
(c) Both (i) and (ii) (d) Neither (i) nor (ii)
25. _____ is considered to be one of the most important attributes for development.
- (a) Per Capita Income (b) Average literacy level
(c) Health status of the people (d) Safety
26. Which state among the following has the lowest literacy rate?
- (a) Punjab (b) Bihar (c) Kerala (d) Tamil Nadu
27. Which of the following countries has better rank in Human Development Index?
- (a) Afghanistan (b) Myanmar (c) India (d) Nepal
28. Which one of the following is a developmental goal of the factory workers?
- (a) Better wages (b) Better technology
(c) More hours of work (d) More labour work
29. Complete the box by choosing the correct option.
- | | |
|-------|--------------|
| USA | Rich Country |
| India | ? |
- (a) high income country (b) low middle income country
(c) developed country (d) middle income country
30. Read the following statements about Human Development and choose the correct option:
- (i) It is the composite Index prepared by United Nations Development Programme (UNDP).
(ii) Parameters to measure it are Longevity, Literacy and Per Capita Income.
(iii) Countries are ranked according to Developed and Low Developing countries.
(iv) World Bank also prepares report of Human Development on the basis of Quality of Life.
- (a) I and II
(b) II and III
(c) I and III
(d) II and IV

Holiday Homework (10th Class)

31. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
(i) Per Capita Income	a) Indicates the number of children that die before the age of one year.
(ii) Infant Mortality Rate	b) Measures the proportion of literate population in the 7-and-above age group.
(iii) Literacy Rate	c) The total number of children of age group 14- and 15-years attending school as a percentage of total number of children in the same age group.
(iv) Net Attendance Ratio	d) National Income divided by total population.

(a) (i)-(b), (ii)-(c), (iii)-(d), (iv)-(a)

(b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b)

(d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

32. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
(i) Sustainable Development	a) Human Development Report
(ii) UNDP	b) Classify the countries on per capita income
(iii) World Bank	c) To calculate nutrition level
(iv) BMI	d) Caring for needs of future generations

(a) (i)-(b), (ii)-(c), (iii)-(d), (iv)-(a)

(b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b)

(d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

33. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
(i) Highest Per Capita Income	a) Bihar
(ii) Highest literacy rate	b) Haryana
(iii) Highest infant mortality rate	c) Kerala

(a) (i) – b, (ii) – c, (iii) – a

(b) (i) – b, (ii) – a, (iii) – c

(c) (i) – c, (ii) – a, (iii) – b

(d) (i) – a, (ii) – c, (iii) – b

34. Choose the incorrect option from column A and column B.

A. Landless rural labourers	i. More days of work and better wages
B. Prosperous farmers from Punjab	ii. Availability of other sources of irrigation.
C. Farmers who depend only on rain for growing crops	iii. Assured a higher support prices for their crops
D. A rural woman from a land owning family	iv. Regular job and high wages to increase her income

(a) A-i

(b) B-ii

(c) C-iii

(d) D-iv

Holiday Homework (10th Class)

35. Assertion (A): For development, people look at a mix of goals.
Reason (R): The development goals that people have are not only about better income but also about other important things in life.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
36. Assertion (A): India comes in the category of low middle income countries.
Reason (R): India's per capita income in 2019 was just US\$ 6700 per annum.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
37. Assertion (A): Kerala has a low infant mortality.
Reason (R): It has adequate provision of basic health and educational facilities.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
38. Assertion (A): Human Development Report published by UNDP is a narrow concept of measuring human development.
Reason (R): It is based on the educational levels of the people, their health status and per capita income.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
39. Assertion (A): Groundwater level is under serious threat in many parts of our country.
Reason (R): It is a non-renewable resource.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
40. Assertion (A): Money cannot buy all the goods and services that one needs to live well.
Reason (R): It cannot buy pollution free environment, unadulterated medicines, happiness, peace etc.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true

Holiday Homework (10th Class)

Assignment of Geography Chapter -1 Resources and Development

1. "There is enough for everybody's need and not for anybody's greed." Who said these words? [CBSE Sept. 2010]
(a) Jawaharlal Nehru (b) Motilal Nehru
(c) Subhas Chandra Bose (d) Mahatma Gandhi
2. Which of the following soil(s) is ideal for growing cotton? [CBSE Sept. 2010, 2011]
(a) Alluvial soil (b) Black soil (c) Red soil (d) Laterite soil
3. These soils are well known for their capacity to hold moisture.
(a) Alluvial soil (b) Black soil (c) Red soil (d) Laterite soil
4. _____ takes place when the running water cuts the deep ravines in the absence of vegetation. [CBSE Sept. 2010]
(a) Wind erosion (b) Sheet erosion
(c) Water erosion (d) Gully erosion
5. In which of the following states is black soil found?
(a) Punjab (b) Gujarat (c) Rajasthan (d) Jharkhand
6. Which one of the following methods does not help in soil conservation?
(a) Contour ploughing (b) Strip cropping
(c) Creating shelter belts
(d) Ploughing up and down the slopes
7. Which of the following soil is known as regur soil?
(a) Black soil (b) Red soil (c) Laterite soil (d) Arid soil
8. Gully erosion is common in the: [CBSE Sept. 2011]
(a) Chambal Basin (b) Ganga Basin (c) Rajasthan (d) Hilly regions
9. 'Laterite' has been derived from the Greek word 'later' which means:
(a) Mountain (b) Brick (c) Rock (d) Stone
10. In which one of the following states is overgrazing the main reason for land degradation?
(a) Maharashtra (b) Punjab (c) Haryana (d) Uttar Pradesh
11. Identify the soil which ranges from red to brown in colour and saline in nature:
(a) Red soil (b) Laterite soil (c) Arid soil (d) Alluvial soil
12. Which one of the following forces leads to maximum soil erosion in plains?
(a) Wind (b) Glacier (c) Running water (d) Earthquake
13. Deforestation due to mining has caused severe land degradation in which one of the following states? [CBSE 2021 Term-I]
(a) Odisha (b) Tamil Nadu (c) Kerala (d) Gujarat

Holiday Homework (10th Class)

14. Which among the following is not a problem of resource development?
(a) Depletion of resources for satisfying the greed of few individuals
(b) Accumulation of resources in few hands
(c) Indiscriminate exploitation of resources
(d) An equitable distribution of resources
15. Which one of the following human activities has contributed most in land degradation?
(a) Deforestation (b) Overgrazing (c) Mining (d) Over-irrigation
16. Which one of the following is an example of the Ferrous Metal? [CBSE 2023 (D)]
(a) Copper (b) Tin (c) Bauxite (d) Nickel
17. Which of the following soil is a non-recyclable resource?
(a) Metal (b) Paper (c) Fossil fuel (d) Water
18. Match the column -I with column -2 and choose the correct options:

Column 1	Column 2
I. Biological	1. Coal
II. Renewable	2. Wildlife
III. Non-renewable	3. Solar Energy

- (a) I-1, II-3, III-2 (b) I-3, II-2, III-1
(c) I-2, II-3, III-1 (d) I-1, II-2, III-3
19. Which of the following is correctly matched?
- | Column A | Column B |
|---|---------------|
| Most widely spread soil in India | Black soil |
| Soil is ideal for growing cotton | Alluvial soil |
| Develops under tropical and subtropical climate | Laterite soil |
- (a) Only (i) (b) Only (iii) (c) Only (ii) (d) Both (i) & (ii)

20. Complete the box by choosing the correct option.

Khaddar	Alluvial Soil
Regur	?

- (a) Red Soil (b) Black Soil (c) Laterite Soil (d) Arid Soil
21. Complete the box by choosing the correct option.

Alluvial Soil	Punjab
Black Soil	?

- (a) Bihar (b) Himachal Pradesh (c) Gujarat (d) Rajasthan
22. "There is enough for everybody's need but not for anybody's greed." Who said this?
(a) Jawaharlal Nehru (b) Atal Bihari Vajpai
(c) M.K. Gandhi (d) Sunder Lal Bahuguna

Holiday Homework (10th Class)

23. Which one of the following statements is true about the term resources?
- (a) Resources are free gifts of nature.
 - (b) They are the functions of human activities.
 - (c) All those things which are found in nature.
 - (d) Things which cannot be used to fulfill our needs.
24. Which among the following is not a physical factor that determine the land use pattern?
- (a) Topography
 - (b) Soil type
 - (c) Climate
 - (d) Population density
25. The availability of resources is a necessary condition for the development of any region. A part from this what is required for development?
- (a) Huge workforce for the exploitation of resources
 - (b) Easy access of the resources for the people living in that region
 - (c) Corresponding changes in technology and institutions
 - (d) Rich cultural heritage
26. Land not a available for cultivation includes:
- (i) Barren and waste land
 - (ii) Land put to non-agricultural uses, e.g. buildings, roads, factories, etc.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Both (i) and (ii)
 - (d) None of the above
27. Identify the type of soil from the following statements:
- These soils are also known as regur soils.
 - This soil is ideal for growing cotton.
 - This type of soil is typical of the Deccan trap (Basalt) region spread over northwest Deccan plateau and is made up of lava flows.
 - These soils are made up of extremely fine i.e. clayey material.
- (a) Alluvial soil
 - (b) Black soil
 - (c) Laterite soil
 - (d) Forest soil
28. Identify the type of soil from the following statements:
- This soil develops on crystalline igneous rocks in areas of low rainfall in the eastern and southern parts of the Deccan plateau.
 - These soils are also found in parts of Odisha, Chhattisgarh, southern parts of the middle Ganga plain and along the piedmont zone of the Western Ghats.
 - These soils develop a reddish colour due to diffusion of iron in crystalline and metamorphic rocks.
- (a) Alluvial soil
 - (b) Black soil
 - (c) Laterite soil
 - (d) Red and Yellow soils

Holiday Homework (10th Class)

29. Identify the type of soil from the following statements:

- This is the most widely spread and important soil.
- This soil has been deposited by three important Himalayan river systems- the Indus, the Ganga and the Brahmaputra.
- These soils contain adequate proportion of potash, phosphoric acid and lime which are ideal for the growth of sugarcane, paddy, wheat and other cereal and pulse crops.
- Regions of these soils are intensively cultivated and densely populated.

(a) Alluvial soil (b) Black soil (c) Laterite soil (d) Forest soil

30. Identify the type of soil from the following statements:

- These soils are found in the hilly and mountainous areas.
- The soils texture varies according to the mountain environment where they are formed.
- In the snow covered areas of Himalayas, these soils experience denudation and are acidic with low humus content.

(a) Alluvial soil (b) Black soil (c) Laterite soil (d) Forest soil

31. Match the column I with column II and choose the correct options:

Column I	Column II
A. Biological	i. Coal
B. Renewable	ii. Wildlife
C. Non-renewable	iii. Solar Energy

(a) A-i, B-iii, C-ii

(b) A-iii, B-ii, C-i

(c) A-ii, B-iii, C-i

(d) A-i, B-ii, C-iii

32. Which of the following is correctly matched?

Column A	Column B
i. Most widely spread soil in India	Black soil
ii. Soil is ideal for growing cotton	Alluvial soil
iii. Develops under tropical and subtropical climate	Laterite soil

(a) Only (i)

(b) Only (ii)

(c) Only (iii)

(d) Both (i) & (ii)

33. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
i. Khaddar and Bangar	a) Laterite soil
ii. Regur	b) Alluvial soil
iii. Soil is deficient in plant nutrients	c) Red soil
iv. Develops on crystalline igneous rocks	d) Black soil

(b) (i)-(b), (ii)-(d), (iii)-(a), (iv)-(c)

(b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b)

(d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

Holiday Homework (10th Class)

34. Match the following:

Resources	Examples
A. Renewable Resources	(i) Forests and wildlife
B. Non-Renewable Resources	(ii) The oceanic resources
C. National Resources	(iii) Roads, canals and railways
D. International Resources	(iv) Minerals and fossil fuels

(a) A-i, B-iv, C-iii, D-ii

(b) A-iv, B-i, C-ii, D-iii

(c) A-iii, B-iv, C-i, D-ii

(d) A-iv, B-iii, C-ii, D-i

35. Assertion (A): Planning is widely accepted strategy for judicious use of resources in India.

Reason (R): There is an enormous diversity in the availability of resources.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

36. Assertion (A): Soil is the most important renewable natural resource.

Reason (R): Relief, parent rock, climate etc. are important factors in the formation of soil.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

37. Assertion (A): Laterite soil dominates Western Ghats.

Reason (R): The region receives very less rainfall.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

38. Assertion (A): Creating shelter belts leads to soil erosion.

Reason (R): Shelter belts break up the force of the wind.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

39. Assertion (A): Arid soil is well-known for their capacity to hold moisture.

Reason (R): The black soils are made up of extremely fine, i.e. clayey material.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

40. Assertion (A): Strip cropping helps in preventing soil erosion.

Reason (R): Large fields are divided into strips. Strips of grass are left to grow between the crops. This breaks up the force of the wind.

Holiday Homework (10th Class)

- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true

Assignment of Political Science Chapter -1 Power Sharing

1. The Principle of majoritarianism led to a Civil War in _____.
(a) Sri Lanka (b) India (c) Belgium (d) Britain
2. The Community government in Belgium is elected by _____.
(a) people belonging to one language community-Dutch, French and German.
(b) all the citizens.
(c) all the community leaders.
(d) all the leaders.
3. Power sharing is good because :
(a) It increases the conflict between social groups.
(b) It ensures the instability of political order.
(c) It reduces the possibility of conflict between social groups.
(d) It leads to violence.
4. Which two languages are generally spoken in Belgium?
(a) French and English (b) Dutch and English
(c) French and Dutch (d) Dutch and Sinhala
5. Which of the following is an example of horizontal sharing of power?
(a) Power sharing between different states.
(b) Power sharing between different organs of the government.
(c) Power sharing between different levels of the government.
(d) Power sharing between different political parties.
6. 'Sri Lankan Tamil' refers to which of the following?
(a) Tamil Muslim (b) Tamil native of the country
(c) Tamil whose forefathers came from India in the colonial period
(d) Tamil Hindu
7. Division of powers between higher and lower levels of government is called:
(a) Horizontal distribution (b) Parallel distribution
(c) Vertical division (d) Diagonal division

Holiday Homework (10th Class)

8. In Sri Lanka, the democratically elected government adopted a series of which measures to establish Sinhala supremacy?
- (a) Community Government (b) Federal Government
(c) Majoritarian Government (d) Prudential Government
9. Modern democracies maintain check and balance system. Identify the correct option based on the horizontal power sharing arrangement.
- (a) Central government, state government, local bodies.
(b) Legislature, executive, judiciary.
(c) Among different social groups.
(d) Among different pressure groups.
10. Which major social group constituted the largest share in population of Sri Lanka?
- (a) Sinhalas (b) Sri Lankan Tamils
(c) Indian Tamils (d) Muslims
11. Which of the following ethnic groups in Belgium has the largest population?
- (a) Walloon (b) Flemish (c) German (d) None of these
12. Which one of the following systems of power sharing is called checks and balances?
- (a) Horizontal distribution of powers (b) Federal division of powers
(c) Separation of powers
(d) Power shared among different levels of government (vertical division of powers)
13. Which one of the following elements is not included in the Belgium model?
- a) Dutch and French speaking ministers shall be equal in the government.
b) Many powers of the central government have been given to state governments.
c) Brussels has a separate government in which both the communities have equal representation.
d) There is a community government which has special powers of administration.
14. Identify 'Horizontal power sharing' arrangements among the following in modern democracies:
- (a) Different organs of government
(b) Governments at different levels
(c) Different social groups
(d) Different parties, pressure groups and movements
15. Community Government is:
- a) A general government for the entire country
b) A government elected by the people belonging to one language community.
c) A social division based on shared culture.
d) A government which literally means "rule by the people".
16. The other name for regional government in India is:

Holiday Homework (10th Class)

- (a) Provincial Government (b) State Government
(c) Community Government (d) None of these
17. What Percentage of population of Belgium lives in the Flemish region?
(a) 40% (b) 80% (c) 59% (d) 70%
18. Which of the following step(s) was/were adopted by the Sri Lankan government to establish Sinhala supremacy?
(i) In 1956, an Act was passed to recognise Sinhala as the only official language, thus disregarding Tamil.
(ii) The governments followed preferential policies that favoured Sinhala applicants for university positions and government jobs.
(iii) A new constitution stipulated that the state shall protect and foster Buddhism.
(a) Only (i) & (ii) (b) Only (ii) & (iii)
(c) Only (i) & (iii) (d) All the mentioned above
19. Which of the following is not correctly matched?
- | Column A | Column B |
|-------------|-----------------------------------|
| i. Sinhala | a) Official language of Sri Lanka |
| ii. Belgium | b) Community Government |
| iii. India | c) Unitary Government |
- (a) Only (i) (b) Only (ii)
(c) Only (iii) (d) Both (i) & (iii)
20. Complete the box by choosing the correct option.
- | Community Government | Belgium |
|----------------------|---------|
| Majoritarianism | ? |
- (a) Bhutan (b) Sri Lanka
(c) Pakistan (d) U.S.A
21. Complete the box by choosing the correct option.
- | Power sharing between different levels of Government | Vertical division |
|--|-------------------|
| Power sharing between different organs of the Government | ? |
- (a) Majoritarian division (b) Horizontal division
(c) Dictatorship (d) Diagonal division
22. Which one of the following languages was declared as the official language of Sri Lanka by an act passed in 1956?
(a) Tamil (b) Sinhala (c) Hindi (d) English
23. Consider the following statements regarding power sharing arrangements in Belgium and identify the incorrect one from the following:

Holiday Homework (10th Class)

- a) Equal number of members from Dutch and French community in the central government
b) Separate government for Brussels with equal representation of communities
c) The state government to be subordinate to the central government
d) Community government elected by people belonging to one language community
24. Which one of the following religions was protected and fostered by Sri Lankans in their constitution?
(a) Christianity (b) Hinduism (c) Buddhism (d) Islam
25. Which of the following is correct with respect to the ethnic composition of Belgium?
(a) 59% of people live in the Flemish region and speak the Dutch language.
(b) 30% of people living in the Wallonia region speak French.
(c) 10% of Belgians speak German.
(d) 1% of Belgians speak Russian.
26. Learning from Belgium's experience, which of the following steps could have most likely avoided a civil war in Sri Lanka that ended in 2009?
(a) making reservations in jobs for the Tamil speaking minority community
(b) dividing the entire country on the basis of linguistic lines to appease the citizens
(c) devising laws to accommodate the ethnic differences of citizens to ensure peace
(d) conducting a thorough census to strictly segregate the Indian Tamils from the Sri Lankan Tamils
27. Identify 'Horizontal power sharing' arrangements among the following in modern democracies.
(a) Different organs of government
(b) Governments at different levels
(c) Different social groups
(d) Different parties, pressure groups and movements
28. Which one of the following countries adopted majoritarianism in their Constitution?
(a) Nepal (b) India (c) Sri Lanka (d) Bangladesh
29. Identify the significant reason of power sharing from the following options.
(a) Reduces socio-economic conflicts
(b) Provides ethnic-cultural development
(c) Allows people to enjoy specific rights
(d) Restricts supremacy of one party
30. Apart from the Central and the State Government, Belgium has a third kind of government as well. Identify this third kind of government from the following options:
(a) Democratic Government (b) Socialist Government
(c) Community Government (d) Liberal Government

Holiday Homework (10th Class)

31. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
i. Brussels	a) Dutch speaking people in majority.
ii. India	b) Dutch speaking people in minority.
iii. Belgium	c) Majoritarianism
iv. Sri Lanka	d) Secular State

(c) (i)-(b), (ii)-(d), (iii)-(a), (iv)-(c)

(b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b)

(d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

32. Match List I (forms of power sharing) with List II (forms of government) and select the correct answer using the codes given below the lists.

List I	List II
i. Power shared among different organs of government	a) Community government
ii. Power shared among governments at different levels	b) Separation of powers
iii. Power shared by different social groups	c) Coalition government
iv. Power shared by two or more political parties	d) Federal government

(a) (i)-(b), (ii)-(d), (iii)-(a), (iv)-(c)

(b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)

(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b)

(d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

33. Assertion (A): Sri Lanka followed the principle of majoritarianism.

Reason (R): The leaders of the Sinhala community sought to secure dominance over government by virtue of their majority.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

34. Assertion (A): There was a tension between the Dutch and French speaking communities in Belgium.

Reason (R): Economic disparity and lack of power sharing model was the basic cause.

(a) Both A and R are true and R is the correct explanation of A

(b) Both A and R are true but R is not the correct explanation of A

(c) A is true but R is false

(d) A is false but R is true

35. Assertion (A): Power sharing among different organs of government is known as horizontal distribution of power.

Holiday Homework (10th Class)

Reason (R): It allows different organs of Government placed at the same level to exercise different powers.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

36. Assertion (A): Power sharing is good.

Reason (R): It helps to reduce the possibility of social conflict.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

37. Assertion (A): Majority community is dominant in a few democratic states.

Reason (R): Dominance can underline the unity of the country.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

38. Assertion (A): Belgium amended their Constitution four times.

Reason (R): Amendments were to enable everyone to live together the same country.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

39. Assertion (A): Power sharing is good.

Reason (R): It helps to reduce the possibility of conflicts between social groups.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

40. Assertion (A): The distrust between Sinhalese and Tamil communities turned into widespread conflict in Sri Lanka.

Reason (R): 1956 Act recognized Sinhala as the only official language.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

Assignment of History

Chapter -1

The Rise of Nationalism in Europe

1. Who among the following formed the secret society called 'Young Italy'?

Holiday Homework (10th Class)

- (a) Otto von Bismarck (b) Giuseppe Mazzini
(c) Metternich (d) Gottfried Herder
2. Elle, the measuring unit in Germany was used to measure:
(a) cloth (b) thread (c) land (d) height
3. Which one of the following is not true about the unification of Italy?
(a) During the middle of the nineteenth century, Italy was divided into four states, of which only one, Tuscany was ruled by an Italian princely house.
(b) Giuseppe Mazzini had formed a secret society called Young Italy.
(c) Chief Minister Cavour who led the movement to unify the regions of Italy was neither a revolutionary nor a democrat.
(d) In 1861 Victor Emmanuel II was proclaimed king of united Italy.
4. Identify the correct statement.
(a) In visual representations, Germania wears a crown of oak leaves, as the German oak stands for heroism.
(b) Giuseppe Garibaldi played very significant role in the unification of Italy.
(c) Gender equality is associated with the term 'ideology'.
(d) The 1830s were years of great economic prosperity in Europe.
5. Choose the correctly matched pair.
(a) Lord Byron – Spanish poet
(b) Johann Gottfried Herder – French Philosopher
(c) Friedrich Bismarck – King of Belgium
(d) Otto von Bismarck – Unification of Germany
6. Zollverein started in 1834 in Prussia refers to a:
(a) Trade Union (b) Customs Union
(c) Labour Union (d) Farmer's Union
7. What do the saints, angels and Christ symbolize in the Utopian vision?
(a) Equality among people (b) Fraternity among nations
(c) Freedom of nations (d) Resentment against nations
8. Who were the 'Junkers'?
(a) Soldiers (b) Large landowners
(c) Aristocracy (d) Weavers
9. Which treaty recognized Greece as an independent nation?
(a) Treaty of Constantinople, 1832 (b) Treaty of Vienna, 1815
(c) Treaty of Versailles, 1871 (d) None of these

Holiday Homework (10th Class)

10. Identify the correct statement with regard to 'The Act of Union-1707' from the following options.
- (a) The British monarchy surrendered the power to English Parliament
 - (b) The British parliament seized power from Ireland.
 - (c) The formation of the 'United Kingdom of Great Britain'.
 - (d) The British nation was formed as a result of a war with Scotland and Wales
11. Identify the correct statement with regard to the 'Zollverein' from the following options.
- (a) It was a measuring unit of cloth in Germany.
 - (b) It was a class of traders in Germany.
 - (c) It was a customs union formed in 1834.
 - (d) It was the Congress hosted by the Austrian Chancellor Duke Metternich in 1815.
12. What was the theme of the printings of Frederic Sorrieu?
- (a) Democracy
 - (b) Socialism
 - (c) Capitalism
 - (d) none of these
13. Which of the following is not true with referene to Napoleon?
- (a) He introduced Napoleonic Code.
 - (b) He promoted democracy in France.
 - (c) He made the administrative system more rational and efficient.
 - (d) The Napoleonic Code was exported to all the regions under French control.
14. Who headed the Vienna Congress of 1815?
- (a) The Austrian Chancellor Duke Metternich
 - (b) The German Chancellor Duke Metternich
 - (c) The Australian Chancellor Duke Metternich
 - (d) The French Chancellor Duke Metternich
15. Which of the following secret societies was founded by Giuseppe Mazzini and where?
- (i) Young Italy in Marseilles
 - (ii) Young Europe in Berne
 - (iii) Young Europe in England
 - (iv) Young Italy in Rome
- (a) Only (i) and (ii)
 - (b) Only (ii) and (iii)
 - (c) Only (iii) and (iv)
 - (d) all of the above
16. When "France sneezes, the rest of Europe catches cold." Who said these words?
- (a) Metternich
 - (b) Lenin
 - (c) Napoleon
 - (d) William-I
17. During the middle of the 19th century, Italy was divided into _____ states.
- (a) five
 - (b) six
 - (c) seven
 - (d) eight
18. Which of the following states was ruled by an Italian Princely House?
- (a) Sardinia - Piedmont
 - (b) Papal State
 - (c) Venetia
 - (d) Tuscany

Holiday Homework (10th Class)

19. The Act of Union between England and _____ resulted in the formation of the United Kingdom of the Great Britain.
(a) Russia (b) France (c) Scotland (d) Prussia
20. The most serious source of nationalist tension in Europe after 1871 the area was called _____.
(a) Prussia (b) Russia (c) Balkans (d) England
21. Conservatives did not believe in establishing and preserving:
(a) The monarchy (b) The democracy
(c) Traditional institutions of state and society (d) Social hierarchies
22. A force which brought about sweeping changes in the political and material world of Europe in the nineteenth century?
(a) The emergence of the nation state
(b) The multi-national dynastic empire
(c) Territorial state (d) Absolute monarchy
23. Which of the following was the result of the Act of Union 1707?
(a) United Kingdom of Irish (b) United Kingdom of Scotland
(c) United Kingdom of America
(d) United Kingdom of Great Britain
24. Which of the following powers was not interested in Balkan peninsula?
(a) England (b) Germany (c) Russia (d) Japan
25. Which one of the following is true regarding how the new artists depicted liberty during the French Revolution?
(a) As a female figure with a torch of enlightenment in one hand and the Charter of Rights of Man in the other hand.
(b) Blindfolded woman carrying a pair of weighing scales.
(c) The gold red and black tricolor.
(d) Rays of the rising sun.
26. Who among the following was described as 'the most dangerous enemy of social order' by Duke Metternich?
(a) Louis Philippe (b) Karol Kurpinski
(c) Giuseppe Mazzini (d) Johan Gottfried
27. Which of the following became the female allegory of the German Nation?
(a) Marianne (b) Germania (c) Britannia (d) Mazzini
28. Which of the following treaty recognized Greece as an independent nation?
(a) Vienna Treaty of 1815 (b) Constantinople Treaty
(c) Diplomatic Treaty of Sardinia Piedmont (d) None of these
29. What does a blind-folded woman carrying a pair of weighing scales symbolize?

Holiday Homework (10th Class)

- (a) Peace (b) Equality (c) Justice (d) Liberty

30. Who among the following was proclaimed the first king of united Italy?

- (a) King George II (b) Kaiser William IV
(c) Nicholas II (d) Victor Emmanuel II

31. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
i. Unification of Germany	a) 1789
ii. French Revolution	b) 1815
iii. Vienna Congress	c) 1834
iv. Formation of Zollverein	d) 1871

- (a) (i)-(b), (ii)-(c), (iii)-(d), (iv)-(a) (b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)
(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b) (d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

32. Match the following items in column A with those in column B and choose the correct answer from the options given below:

Column A	Column B
i. Young Italy	a) Cavour
ii. German Emperor	b) Giuseppe Mazzini
iii. Italian Nationalist	c) Otto Van Bismarck
iv. German Nationalist	d) William I

- (a) (i)-(b), (ii)-(d), (iii)-(a), (iv)-(c) (b) (i)-(d), (ii)-(a), (iii)-(b), (iv)-(c)
(c) (i)-(c), (ii)-(a), (iii)-(d), (iv)-(b) (d) (i)-(d), (ii)-(b), (iii)-(a), (iv)-(c)

33. Match the columns.

Column A	Column B
(i) French Revolution	a) Brought the conservative regimes back to power
(ii) Liberalism	b) Ensured right to property for the privileged class
(iii) Napoleonic Code	c) Recognized Greece as an independent nation
(iv) The Treaty of Vienna	d) Transfer of sovereignty from monarch to the French citizens
(v) Treaty of Constantinople	e) Individual freedom and equality before law

Holiday Homework (10th Class)

- (a) i-d, ii-c, iii-e, iv-b, v-a (b) i-e, ii-a, iii-b, iv-c, v-d
(c) i-c, ii-d, iii-a, iv-e, v-b (d) i-d, ii-c, iii-e, iv-a, v-b
34. Assertion (A): In the areas conquered by Napoleon the reactions of the local population were mixed.
Reason (R): Increased taxation, censorship etc. outweigh the advantages of administrative changes.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
35. Assertion (A): Conservatives believed that established traditional institutions of state and society should be preserved.
Reason (R): Zollverein was formed to preserve conservatism.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
36. Assertion (A): Treaty of Constantinople was signed in 1832.
Reason (R): Under this treaty Greece was recognized as an independent nation.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
37. Assertion (A): Act of Union was signed between England and Scotland.
Reason (R): The object of the Act was to undo changes that had come up in Europe during the Napoleonic wars.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
38. Assertion (A): Ideas of national unity in early-nineteenth-century Europe were closely allied to the ideology of liberalism.
Reason (R): In 1834, a customs union or Zollverein was formed at the initiative of Prussia.
(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
39. Assertion (A): In 1834, Zollverein was formed at the initiative of Prussia.
Reason (R): The basic aim was to transfer sovereignty from the monarchy to a body of citizens.
(a) Both A and R are true and R is the correct explanation of A

Holiday Homework (10th Class)

- (b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true
40. Assertion (A): The first clear expression of nationalism came with the French Revolution in 1789.
Reason (R): The Act of Union between England and Scotland resulted in the formation of the United Kingdom.
- (a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false (d) A is false but R is true

D.A.V. Public School, Professor Colony, YNR, KAPIL BATRA (PGT, ECONOMICS)

Subject Artificial Intelligence

Choose the correct answer from the following:

(1x10=10)

Q1 Assume you are working as IT Head at EncryptI, which is an AI learning app. Due to the ongoing pandemic, all employees are working remotely. Remote employees throughout the company should be able to connect with one another in a smooth and simple manner, without being bombarded with irrelevant or unwanted communications. However, with so many professionals working there, emails can get mixed up and even lost. This leads to loss of productivity plus a couple of communication issues. You propose that all employees use an instant communication app so that only official mails are sent over the email. Taking this as a problem, choose which of the following would be the ideal problem statement template.

- (i) Remote employees have a problem that they are getting irrelevant and unwanted mails frequently from different departments. An ideal solution is to block everyone.
- (ii) Remote employees have a problem that they are getting irrelevant and unwanted mails frequently from different departments. An ideal solution is to fire some professionals.
- (iii) Remote employees have a problem that they are getting irrelevant and unwanted mails frequently from different departments. An ideal solution is to use the communication app and email should be used only for formal work messages.
- (iv) Remote employees have a problem that they are getting irrelevant and unwanted mails frequently from different departments. An ideal solution is to write letters and post them in the letterbox.

Q2. A well-known news channel broadcasts information on a wide range of topics, including politics, government, foreign affairs, sports and the latest movie and television news. Reporters are in charge of gathering, evaluating and transmitting information about current events. Furthermore, the news channel permits people to submit breaking news, which is subject to verification by the channel's reporters. However, it may be difficult to distinguish between real news and fake news, which can lead to confusion among readers and threaten a news organization's reputation. Which of the following domains is used to detect fake news so that the audience has a high level of trust in the news channel?

- (i) Computer Vision
- (ii) Matrices
- (iii) Natural Language Processing
- (iv) Data Science

Q3. An AI application that has a higher level of intelligence and is capable of understanding open-ended questions and providing assistance in finding the most relevant replies beyond the pre-scripted responses it learns over time using NLP. It is ideal for dealing with customer support concerns, resolving typical issues, aiding account administration and offering general assistance. Which of the following applications can you relate to this?

- (i) Automatic Number Plate Recognition
- (ii) Alexa
- (iii) Smart Chatbot
- (iv) Spam filters



Class X Worksheet 1

Q4 An AI model uses input only from the dynamic environment that does not include any labelled data. It uses a behavioural learning model and improves as it learns about the environment. As the learning agent interacts with the environment while moving from one state to another, it is rewarded for success but penalized for failure. Identify the learning model.

- (i) Supervised Learning
- (ii) Unsupervised Learning
- (iii) Reinforcement Learning
- (iv) All of the above

Q5 There is a visual representation question in an online test where students have to observe and write two statements about it in their notebooks. The question includes an image of a park where children are playing. Some elderly people are sitting in the park. The Park looks very well maintained due to greenery. The students submitted their answer sheets and the teacher found variations in the submissions of six students.

Student 1:

Statement 1: The Park is surrounded by only trees.

Statement 2: There are 5 girls and 4 boys.

Student 2:

Statement 1: The Park is surrounded by flowers and trees.

Statement 2: An old man and women are sitting on a tree.

Student 3:

Statement 1: There are 4 girls and 3 boys in the park.

Statement 2: Two boys are sliding

Student 4:

Statement 1: There are only 2 girls playing in the park.

Statement 2: An old man and women are sitting on a bench.

Student 5:

Statement 1: The Park is surrounded by trees and flowers.

Statement 2: Two girls are sitting on a bench.

Student 6:

Statement 1: Two girls are skipping and two are playing on the see-saw.

Statement 2: Two old women are playing on the see-saw.

However, the teacher found that one student had written both statements wrong while another had written both statements right. The remaining students had written one true and one false description of the image. Can you answer the following while keeping this in mind?

- (i) How many girls are there in the park?
- (ii) How many boys are there in the park?
- (iii) How many children are playing on the see-saw?
- (iv) Are there any flowers or trees in the park?
- (v) Where are the old man and women sitting?
- (vi) How many elderly people are there in the park?

(a) (i) 5; (ii) 4; (iii) 1; (iv) No; (v) Tree; (vi) 1

Class X Worksheet 1

- (b) (i) 4; (ii) 3; (iii) 3; (iv) Yes; (v) Bench; (vi) 2
- (c) (i) 6; (ii) 4; (iii) 2; (iv) No; (v) Tree; (vi) 2
- (d) (i) 3; (ii) 3; (iii) 2; (iv) Yes; (v) Bench; (vi) 2

Q6. A school uses an AI-based system to manage the learning process by delivering customized study materials. To assign appropriate subjects to students, the system takes into consideration all the factors such as gender, race, ongoing learning, economic level, minority status and previous educational institute. However, because it ignores a fundamental aspect of learning as an ongoing process based on an individual's abilities and knowledge, this approach may lead to a student's future prospects being hidden. What is the significance of this scenario?

- (i) Deep fakes
- (ii) Algorithm bias
- (iii) Safety concerns
- (iv) Explainable AI

Q7. Suppose you are working as a librarian in ABC Public School. Your duty is to organize books by class, subjects and authors. But the library doesn't have any database system and all books are mixed up. Thus, you encounter several problems when looking for a particular book. In order to find a book, the library requires an effective technique. So you recommend to the management for the creation of a database of books, after which the books are categorized into shelves so that students can quickly search for them. Taking this as a problem, choose which of the following would be the ideal problem statement template.

- (i) Librarian and students are facing problem regarding searching for books in a library. An ideal solution would be to assign a duty to the student to find books in the library.
- (ii) Librarian and students are facing problem regarding searching for books in a library. An ideal solution would be to create a database of books and place books on shelves according to category.
- (iii) Librarian and students are facing problem regarding searching for books in a library. An ideal solution would be to restrict the entry of students in the library.
- (iv) Librarian and students are facing problem regarding searching for books in a library. An ideal solution would be to close the library.

Q8. (a) With more and more data, an algorithm becomes better and more accurate. (1)

- (b) We can choose from various techniques such as Regression, Classification, Clustering, depending on the data set.
- (c) Algorithms are mainly used in pattern recognition which help in deriving meaningful insights and describe the data better to the users.

The above points are regarding algorithms. Which stage of AI project life cycle requires algorithms?

- (i) Problem Scoping
- (ii) Data Acquisition
- (iii) Modelling
- (iv) Evaluation

Class X Worksheet 1

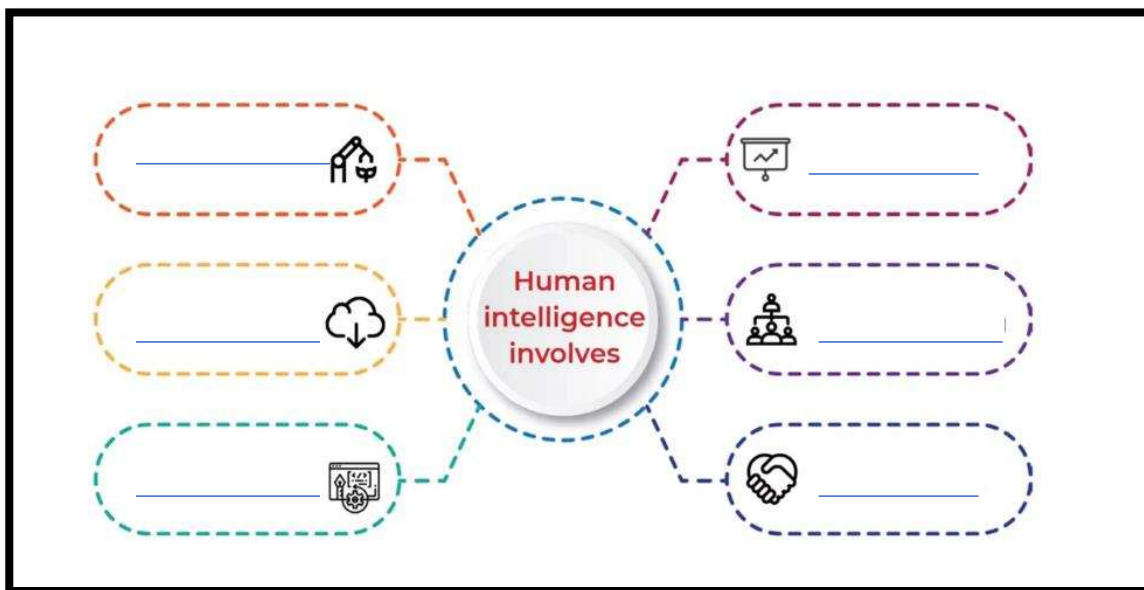
Q9. Customer churn or attrition is one of the toughest challenges for every organization. Acquiring a new client is more expensive than retaining an existing customer. The customer churn directly affects the company's operating costs and market spending. This happens if a consumer is no longer a paid customer of a certain company. Using an AI application, it is possible to identify a customer's feelings with data sets such as phone records, web chats and feedback on social media platforms. Which of the following domains can help an organization predict customer churn?

- (i) Metrics
- (ii) Computer Vision
- (iii) Natural Language Processing
- (iv) Data Science

Q10. It is an application which offers appropriate results on the basis of the same search behaviour or user intention, so people will find what they need. It not only supports voice-enabled queries but also offers real-time auto-complete suggestions based on factors such as browsing history, the intention commonly associated with the words used and best ranked contents from comparable searches. Which of the following applications can you relate to this?

- (i) Siri
- (ii) Alexa
- (iii) Search Engine
- (iv) Chatbot

Activity: Complete the flowchart by fill in the blanks:



Subject Artificial Intelligence

Answer the following questions in your subject notebook.

Choose the correct answer from the following:

(1x6=6)

- Q1 Which step should one take to build confidence?
(a) Never Set goals in life (b) Appreciate no one for all the achievements
(c) Always think positively (d) Talk to people who are confident
- Q2 Which of the following is a quality of a self-confident person?
(a) Patient (b) Compassionate (c) Committed (d) Passionate
- Q3 What is the best way to start our day positively?
(a) Think about all that can go wrong.
(b) Think about the difficult test you will face during the day.
(c) Think about all your accomplishment so far and feel good about it.
(d) Think about the traffic on the road and feel stressed.
- Q4. Rahul gets feedback on his project work from his class teacher. Which of these options demonstrates positive attitude in this situation?
(a) Rahul ignores the feedback.
(b) Rahul takes the feedback but does not use it.
(c) Rahul tells others that the teacher is wrong.
(d) Rahul learns from the feedback and makes his project work better.
- Q5 What can you do to get rid of negative thoughts or feelings?
(a) Meditate to calm down and feel positive.
(b) Ignore them and move on in life.
(c) Act based on the negative thoughts or feelings.
(d) Talk to a friend and share all your negative feelings.
- Q6 The information which is transferred to the receiver has to be interpreted this process is called:
(a) Encoding
(b) Decoding
(c) Opening
(d) Closing
- Q7 What is the difference between a misconception and reality? Give an example. (2)
- Q8 What is time management and how can you manage your time? (2)
- Q9 How will you prevent others from using your computer? (2)
- Q10 Write any three advantages of self-regulation. (3)

Activity:

Please download SDG Board game from the link given below:

The purpose of this game is to help students understand the UN Sustainable Development Goals (SDGs).

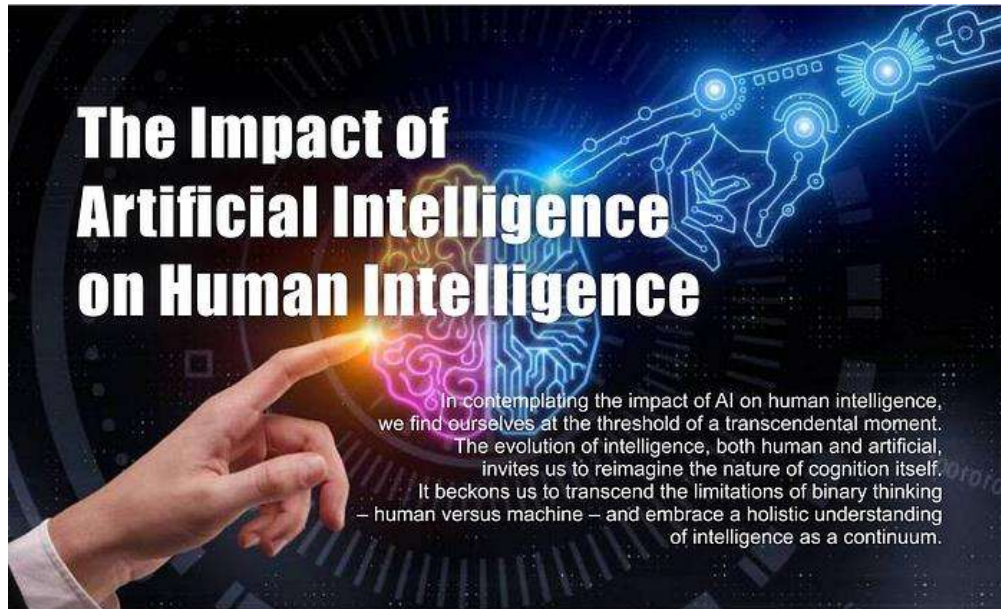
<https://go-goals.org/>



Subject Artificial Intelligence

Prepare a presentation of minimum 10 slides on the following topic: [REDACTED]

(10)



Consider the following points to prepare the same.

- Introduction
Definition of Artificial Intelligence (AI):
- Brief overview of what AI is.
Types of AI (narrow AI, general AI, super intelligent AI).
Definition of Human Intelligence:
- Components of human intelligence (cognitive abilities, emotional intelligence, creativity).
- Positive Impacts of AI on Human Intelligence
Enhancement of Cognitive Abilities:
AI as a tool for enhancing problem-solving and decision-making.
AI-driven educational technologies that personalize learning experiences.
Augmentation of Human Skills:
AI-assisted creativity in art, music, and writing.
AI in scientific research to accelerate discoveries and innovation.
Improvement in Healthcare:
AI in diagnostics and personalized medicine.
AI-driven mental health support systems (e.g., chatbots for therapy).
Increased Accessibility:
AI technologies for aiding individuals with disabilities (e.g., speech-to-text, vision assistance).
- Negative Impacts of AI on Human Intelligence
Dependence and Cognitive Offloading:
Over-reliance on AI tools leading to reduced problem-solving and critical thinking skills.
Potential decline in memory and knowledge retention due to easy access to information.



Class X Worksheet 3

- **Job Displacement and Skill Degradation:**

Impact of AI automation on employment and skill requirements.

The need for continuous learning and adaptation to new technologies.

- **Ethical and Psychological Concerns:**

Issues of privacy, surveillance, and data security.

Case Studies and Examples:

Real-world examples of AI impacting human intelligence positively and negatively.

Case studies from various sectors like healthcare, education, and industry.



Subject: Artificial Intelligence

Note: Open a MS-Word file and write down all the practical question.

Take the snip of the program code and the output window.

Then paste it under each practical.

Save the file as a pdf and upload under the ASSIGNMENT created in MS-Teams

Q1. Label the Sustainable Development Goals listed below.

(2)



Q2. Write the Python program for the following.

(3)

(Open IDLE Python to type the programs mentioned below)

a) To accept the value for the temperature in Celsius and convert it into Fahrenheit.

[$^{\circ}\text{C} \times 9/5 + 32 = ^{\circ}\text{F}$] (Refer to page no. 227)

b) To accept the value for three variables num1, num2 and num3. Find the sum of the three variables and store the calculated value in the variable sum. (Refer to page no. 226)

Q3. Using ppt/sway create a webpage on the impact of AI on all the 17 Sustainable Development Goals.

(5)



**HAPPY
HOLIDAY**