KENDRIYA VIDYALAYA SILVASSA (SESSION- 2024-25)

HOLIDAY HOMEWORK

CLASS-IX

SUBJECT : ENGLISH

1. Write a story in 120-150 words from the outline given below. Give a suitable title to the story. Draw necessary pictures related to story.

10 years old Amit- back from school a baby bird under a tree – unable to fly – worried-

Nest seen on the tree- 2 little birds- picked the baby bird- placed carefully in the nest- mother bird return just then – song of thanks for Amit.

2. Write a Diary Entry in about 100-120 words describing your experience of your visit to a Flower Exhibition. You may use the following clues.

Last week – my cousin – Annual exhibition – flower business – wide variety of exotic flowers – flower species – greatest flower show– vibrant colours – wonderful experience

3. Write stanza wise summary of the poem "A LEGEND OF THE NORTHLAND". Draw or stick pictnures related to the poem while writing summary.

4. Learn and write meaning of 10 new vocabulary words.

5. Write and learn 100 verb forms.

केन्द्रीय विद्यालय सिलवासा

शरदकालीन अवकाश गृहकार्य

(2024-25)

कक्षा – 9वीं   विषय – हिंदी

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1. क्षितिज-1 एवं कृतिका-1 की पठित इकाइयों का सारांश लिखिए, प्रत्येक का सारांश कम-से-कम 150 शब्दों में लिखिए।

2. अर्थ के आधार पर वाक्य के भेद को समझाते हुए प्रत्येक के पाँच-पाँच उदाहरण लिखिए।

3. 'मोबाइल फ़ोन : वरदान या अभिशाप', 'समय का महत्त्व', 'भारत की प्रमुख समस्याएँ', 'आधुनिक विश्व की उभरती हुई प्रमुख समस्या : युद्ध' इन विषयों पर अनुच्छेद लिखिए। (200 शब्द)।

4. अपने दोस्त को दिवाली की शुभकामनाएँ देते हुए पत्र लिखिए। छात्रवृत्ति के लिए प्रधानाचार्य को प्रार्थना पत्र लिखिए। वर्तमान में मनाए जा रहे दुर्गा पूजा एवं दशहरा का चित्रण करते हुए प्रधानमंत्री जी को पत्र लिखिए।

गृहकार्य से संबंधित दिशा-निर्देश :

➢ सभी विद्यार्थी गृह कार्य अपनी हिंदी की कार्य-पुस्तिका में लिखेंगे।
➢ गृह कार्य साफ-सुथरा होना चाहिए।
➢ विद्यार्थी गृह कार्य को लिखेंगे और याद भी करेंगे।

केन्द्रीय विद्यालय सिलवासा

(शरदकालीन अवकाश गृहकार्य)
संस्कृत –विषय 9th   2024-25 –कक्षा

1. स्वर संधि के भेद लिखकर प्रत्येक के दस दस उदाहरण लिखो ।
2. शब्द के रूप लिखो और याद करो । 'रमा' स्त्रीलिंग
3. धातु के लट् लङ् और लृट लकार मे धातुरूप लिखो और याद कीजिए । खाद (खाना)
4. किसी एक विषय पर चित्र सहित पांच वाक्य लिखो.
   1.भारतदेश: 2. मम परिवार: 3. संस्कृतभाषा
5. संस्कृत प्रतिज्ञा लिखो और याद करो ।
6. संस्कृत संख्या आधारित एक चार्ट का निर्माण करो ।।

AUTUMN BREAK HOLIDAY HOMEWORK
CLASS: IX
SUBJECT:BIOLOGY

1. Complete notes of the lesson "Improvement in food resources."
2. Define crop.
3. What are the different types of crops based on season?
4. Give two examples of each: cereal crop, pulses crop, oil yielding crop and fodder crop.
5. Differentiate between micro and macronutrient giving four examples of each.
6. Differentiate between manure and fertilisers (any six)
7. Why food is necessary for us?
8. Why there is need for increasing food production?
9. What are three main activities by which crop improvement can be done?
10. What are the three main criteria for essentiality of nutrients?
11. What are the different types of fertilisers?
12. Define organic farming.
13. How efficiency of irrigation can be increased?
14. Define mixed cropping, crop rotation and intercropping.
15. What are weeds? Name two weeds.

KENDRIYA VIDYALAYA SILVASSA

AUTUMN BREAK HOMEWORK

CLASS 9TH

SOCIAL SCIENCE

WRITE THE ANSWERS TO THE FOLLOWING QUESTIONS IN YOUR NOTEBOOK

History

1. Describe the events of the french revolution.
2. Describe the policies of Napoleon.
3. Describe the february revolution.
4. Describe the october revolution
5. What were the policies of Stalin
6. What were the policies of Hitler .
7. How nazism in germany led to the second world war.

CIVICS

1. What is the importance of democracy in India?
2. What was wrong in Pakistan and chinese democracy.
3. How was constitution of South Africa formed ?
4. What is Preamble. Explain its features.
5. What is the importance of constituent assembly in the history of India.
6. Write note on important members of constituent assembly.

Geography

1. Write the locational analysis of India.
2. How were the Himalayas formed.
3. Why are great plains of India important ?
4. What are the fewtures of the Peninsular Plateau ?

ECONOMICS
1. What are the three sectors of economy of India ?
2. Why is tertiary sector important in the 21st century ?
3. How angriculture has contributed to INDIAN economy ?

KENDRIYA VIDYALAYA SILVASSA

HOLIDYA HOMEWORK

CLASS IX

1. State True / False

Machine Learning is a subset of Deep Learning.

2. Which of the following is not a domain of AI?

(a) CV   (b) DS   (c) SN   (d) NLP

3. Spam filter is an application of _____.

(a) Natural Language Processing   (c) Computer Vision

(b) Data Science   (d) Segmentation

4. _____ (AI Ethics / AI Access) needs to be ensured so that

everyone can afford the benefit of AI.

5. Searching for a Chef's photo in the web browser mostly give men's

images. This is an instance of _____.

(a) AI Access (b) AI Bias   (c) AI Domain (d) AI Ethics

6. Which of the following is not a responsibility of AI developers?

(a) User data protection   (b) Maintaining Dignity of users

(c) Class Segregation   (d) Maintain price performance ratio

7. Choose the five stages of AI project cycle in correct order:

a. Evaluation -> Problem Scoping -> Data Exploration -> Data

Acquisition -> Modelling

b. Problem Scoping -> Data Exploration -> Data Acquisition ->

Evaluation -> Modelling

c. Data Acquisition -> Problem Scoping -> Data Exploration ->

Modelling ->Evaluation

d. Problem Scoping -> Data Acquisition -> Data Exploration ->

Modelling ->Evaluation

8. Which of are the advantages of developing an AI Project Cycle?

i. Understandability

ii. Modularity

iii. Cost Effective

iv. Time saving

(a) i & iv   (b) ii & iii   (c) i & ii   (d) iii & iv

9. 4W's problem canvas does not consider _____

(a) When   (b) Where   (c) Why   (d) Who

10. _____ summarises all the key points of a problem as a

single format.

11. AI system must be fed with _____ Data and it can predict next level of data called _____
Data.

12. Which of the following is not a correct method of Data Collection?

(a) Survey   (b) Prediction   (c) Observation   (d) API

13. Data Exploration can be done through:

(a) Bar Graph   (b) Histogram   (c) Flowcharts   (d) All of these

14. State True / False:

Deep Learning is not a part of Rule Based AI model.

15. The AI System development takes place in the _____ stage of

AI Project Cycle.

16. A System surveillance wherein we categorize whether the system's

current state can be marked as "Protected," "Threat" or "Vulnerable" is
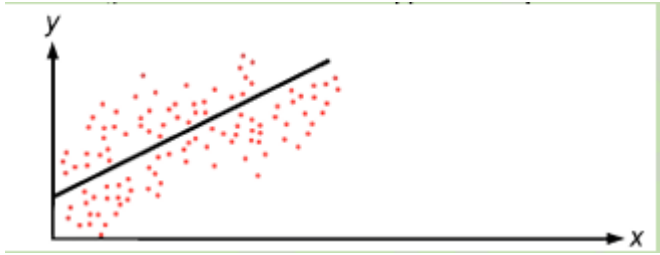
an example of:

a. Classification b. Clustering c. Regression d. Dimensionality

Reduction

17. Which of the following is a problem of Learning based AI approach?

(a) Adjusting   (b) Limited data   (c) Slower Outcome   (d) Inaccurate

18. Identify the data modelling technique.

a)Regression b) Classification c) Clustering d) Dimensionality reduction

 Q19 and 20 are ASSERTION AND REASONING based questions.

Mark the correct choice as

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

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

(c) A is True but R is False

(d) A is false but R is True

19. Assertion: Rule based AI model is a static model.

Reasoning: Rule based model can evolve over changing data set.

20. Assertion: Dimension Reduction is used in higher dimension problems.

Reasoning: Reducing dimension of a problem causes huge data loss.

 21. Write down some applications of AI in daily life.

22. How should AI system maintain privacy of user data?

23. State the requirement of NLP. Give example.

24. Why is ethics important while developing AI application? Justify your

answer.

25. How can biasness influences AI systems? Give suitable example.

26. What do you mean by AI project cycle? State its advantages.

27. Name the stages of AI project cycle.

28. Explain the concept of 4W's problem canvas.

29. Sunita needs to collect data for her AI project. Please suggest her any 4

methods of Data Acquisition.

30. Distinguish between Training data and Testing data.

31. Ravi needs to represent data. State any two data visualization techniques

during data exploration.

32. Differentiate between Supervised and Unsupervised Learning.

33. How Reinforcement Learning implemented?

34. Write down the importance of Evaluation in AI project cycle.

35. Name any two methods of AI project evaluation.

36. Define AI, ML and DL. Also state the relation among them.

37. What do you mean by Data Science and Computer Vision. Give suitable examples for each.

38. Distinguish between Rule based AI and Learning based AI.

39. Explain the concept of Regression and Classification. Give examples for each.

40. How clustering is different from classification? When is dimensionality reduction useful?

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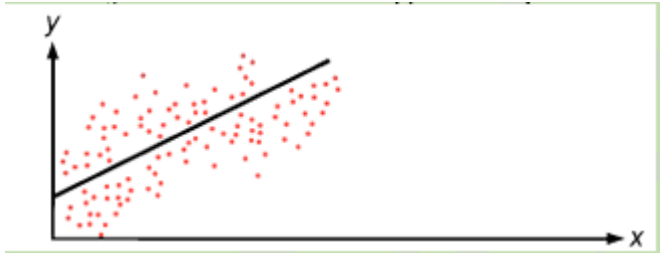
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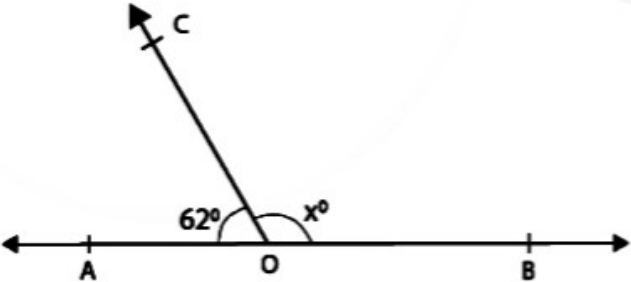
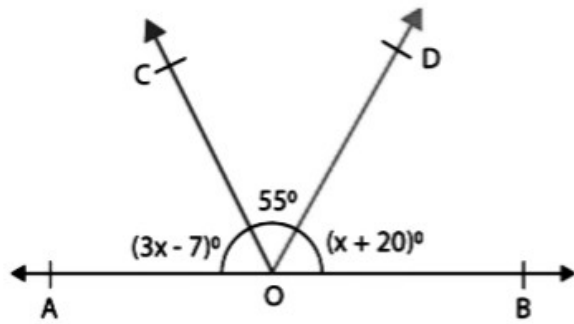30. Distinguish between Training data and Testing data.

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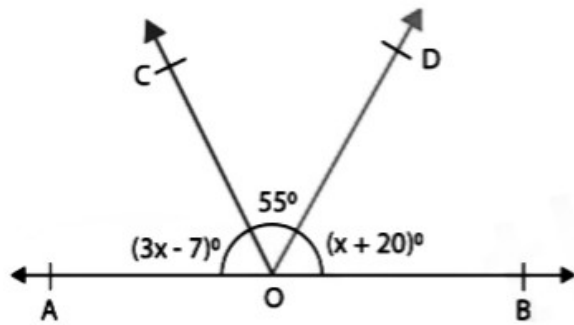40. How clustering is different from classification? When is dimensionality

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9th - Maths

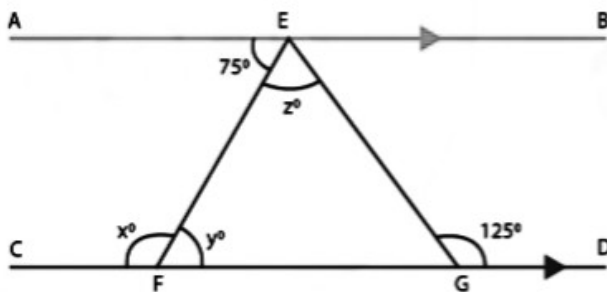| SN	
1	What is the semiperimeter of a triangle whose sides are 18cm, 24cm and 30cm ?
2	What is the area of the field whose perimeter is 540m and its sides are in ratio 25:17:12 and what is the total cost of ploughing the field at ₹5 per m^2 ?
3	Two sides of a triangular field are 85 m and 154 m in length and its perimeter is 324 m. Find (i) the area of the fi eld and (ii) the length of the perpendicular from the opposite vertex on the side measuring 154 m.
4	What is the area of a triangular field whose sides are 91m, 98m and 105m in length, also find the height of the corresponding longest side ?
5	What is the area of triangle whose sides are in ratio 5:12:13 and its perimeter is 105m ?
6	The two sides of a triangular field are 85m and 154m in length and its perimeter is 343m .Calculate the length of perpendicular from the opposite vertex on the side measuring 154m.
7	In the above figure, AOB is a straight line. Find the value of x.

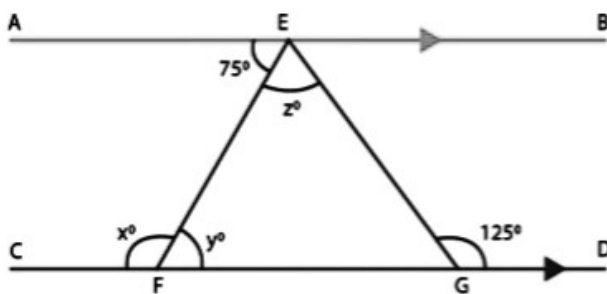In the above figure, AOB is a straight line. Find the value of x.

9

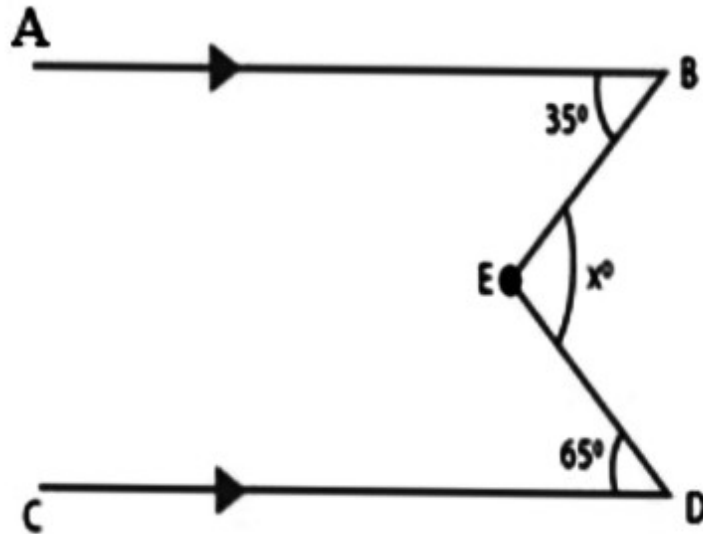In the above figure, AOB is a straight line. The value of x is $28°$, then find ■AOC.

10

In the above figure, $AB \parallel CD$. Find the value of x.

11

In the above figure, $AB \parallel CD$. Find the value of y.

12

A

B

35°

E

x°

65°

C

D

In the above image, $AB \parallel CD$. Find the value of x.