

Class	Subject	Homework
II	EVS	1. Draw pictures on chart paper or make any 4 models of means of communication or means of transports.
II	ENG	1. Draw and write 5 – 6 lines on “ My favourite animal. “ (on a chart paper) 2. Learn by heart and write the poem “ I AM THE MUSIC MAN” on chart paper.
III	English	1. Revise chapters from Trains to What’s in the mailbox. 2. Learn new words. There will be dictation test of new words. 3. Write a letter to your favourite teacher and post it to the school address. Address – Kendriya Vidyalaya Kokrajhar, Titaguri, Kokrajhar, Assam Pin Code – 783370 4. Write atleast five sentences where did you visit in your vacation on A4 size paper.
III	Comp	Q. Draw the tools of MS Paint and label them.
III	EVS	1. How is water used in your house? Click pictures and paste. (A4 Size sheet) 2. Paste any five male and 5 female players’ pictures with the name of the sports they are concerned with. (A4 Size sheet)
III A	Maths	1. Learn tables from 2 to 10. There will be oral test in January. 2. Revise chapters who is heavier,. How many times and Play with pattern. 3. Find out different patterns in your home or any other place where you visit in your vacation. 4. Go with your mother or father while shopping and try to give the amount while billing by calculating yourself.
III	Hindi	1) रोज एक पेज सुलेख करो। 2) मिर्च का मजा कविता लिखो एवम् याद करो। 3) नव वर्ष के लिए बधाई कार्ड बनाओ।
IIIB	Maths	1) Read and Write 1 – 20 tables. 2) Prepare clock with thick sheet. 3) Measure these things with 1 litre bottle and paste these pictures. Bucket, Bowl, Jug, Glass, Mineral water can. 4) Do any five word problems of divisions with your own.
IV	Eng	1. Write your daily routine. 2. Read any story book and write the following. a. Title of the story. b. Who is your favourite character and why? c. Moral of the story. (Paste or draw any one picture based on it). 3. Prepare a dictionary having minimum 5 words of each letter with meaning to enhance the vocabulary. 4. Read the chapter “The scholar’s mother tongue ” and “The giving tree” of your textbook and underline all the nouns you can find. Write these nouns and try to write one adjectives for each noun
IV	EVS	1. Draw or paste a picture of rhinoceros and write five lines about it.

		<p>2. Write the name of animals which are used for carrying loads and paste their pictures too.</p> <p>3. Write the name of any five birds of prey (hunter birds) and paste their picture also.</p> <p>4. Write about teeth of -</p> <p>i. Squirrel</p> <p>ii. Snake</p>
IV	Comp	<p>1. Write the steps to create a folder in desktop.</p> <p>2. Write the steps to rename a folder in desktop.</p> <p>3. Write the steps to delete a folder from desktop.</p>
IV	Maths	<p>1 Collect different coins.</p> <p>2 Collect the Indian cricketers' pictures.</p> <p>3 Learn and write Table 1 to 20.</p> <p>4 Write the odd or even numbers from 1 to 100.</p> <p>5. Do ten sums of division and multiplication each.</p>
V	EVS	<p>1. Revise chapters 10 – 16.</p> <p>2. Complete your notebook with neat and clean diagrams if not completed yet.</p> <p>3. Find out what should we do in case of Earthquake.</p> <p>4. Help your mother or father in doing different works at home in your vacation.</p>
V	Comp	<p>Q1. Write 2 uses of each:</p> <p>A .MS Power Point</p> <p>B.MS Excel</p> <p>Q2. List out any 3 commonly used shortcut keys of MS Power Point.</p> <p>Q3. List out any 3 commonly used shortcut keys of MS Excel.</p>
V	Hindi	<p>1. किन्हीं पाँच मिठाइयों के नाम लिखो और चित्र बनाओ।</p> <p>2. अपने किसी एक मनपसंद व्यंजन (dish) के बारे में पाँच से दस वाक्य लिखो।</p> <p>3. सर्दियों में खाये जाने वाले किन्हीं पाँच फल - सब्जियों के नाम लिखो और चित्र बनाओ।</p> <p>4. जानवरों से हमें कौन - कौनसे खाद्य पदार्थ प्राप्त होते हैं? नाम लिखो और चित्र बनाओ ।</p>
V	Maths	<p>1. Read newspaper daily and write the maximum and minimum temperature of the days.</p> <p>2. Go to the market with your family and observe –</p> <p>(a) The things in the market.</p> <p>(b) Make a list of the things.</p> <p>(c) Write price of the things.</p> <p>3. Measure the length of your bed or table and find its perimeter and area of flat surface.</p> <p>4. Practice all the work done in the class (up to December) for Periodic Test - 2.</p>

		<p align="center">MULTIDISCIPLINARY PROJECT (MATHS) PART- 2</p> <p>Take 2 biscuit packets of different brands.</p> <p>Note down the following contents on the packets of both the brands.</p> <p>a) Carbohydrates b) Proteins c) Fats d) Sugar</p> <p>Paste the empty packets of these biscuits. Also represent these nutrients through Bar graph.</p>
VA	Eng	<ol style="list-style-type: none"> 1. Learn the idioms done in the class and use them in daily conversation. 2. Find five new idioms and write in English notebook. 3. Write 10 new action words (verb) with its three forms. Ex – Snap snapped snapped 4. Find two unseen passage from magazine or newspaper. Make questions related to the passage and answer it in your English notebook. Do paste the cut out . <p align="center">Multidisciplinary project</p> <ol style="list-style-type: none"> 1. Take two packets of biscuits.(Mention the name of biscuits and paste the wrapper.) 2. Find out how biscuits are made, packed and sold in these large quantities. 3. Find out how these are advertised for the people to consume. 4. Write the whole thing in your own creative way.
VB	Eng	<ol style="list-style-type: none"> 1) Daily write one news headline from any English news paper. 2) Write the recipe of any winters Dish. 3) Write 5 lines about Natural Environment and 5 lines about The Pollution. 4) Write an application to the principal for two days leave.
VI	Eng	<ol style="list-style-type: none"> 1. You are Mahesh/ Mita of Gandhinagar, Delhi. Write a letter to your friend Geeta/ Ram inviting him/ her to your Birthday Party._ 2. Make Sentence with the following phrases. (i) Look after (ii) To the Point (iii) well and good (iv) All in all (v) At a time. 3. Imagine you are journeying through a desert write a paragraph describing what you see and hear. <p>1. Solve the Adjective related grammar of Page No. 136 and 137 of the lesson “The Banyan Tree”.</p>
VI	Comp	Q. Write any 10 common Internet Safety rules.
VI	SKT	<ol style="list-style-type: none"> 1) विंशति आकारान्तस्रीलिङ्गान् शब्दान् लिखन्तु। 2) संस्कृते एकतः पञ्चाशत् पर्यन्तं लिखत । 3) निम्नलिखितानां शब्दानां रूपानि लिखत- बालकः, बालिका, फल 4) संस्कृते दशपुष्पाणां चित्रं रचयित्वा तेषां नामानि लिखन्तु। पुष्पोत्सवस्य विषये पञ्चवाक्यानि लिखन्तु।

VI	SST	CLASS 6
		<ol style="list-style-type: none"> 1. Draw a picture showing the biosphere . 2. What can we do to prevent the air and the water pollution? 3. Make a model of volcano. 4. Find about the following personalities and write a brief note on them. (a) The king Ashoka. (b) The teachings lord Buddha
VI	Sci	<ol style="list-style-type: none"> 1. Using a plane mirror, find out the mirror images of the following words and a note down in your notebook A.Mountain B.Ambulance C.Reflection D.School 2. Collect information about the various disease caused due to the dust and smoke. What preventive measures you may follow? 3. Find out how current flows in a closed electric circuit.
VI	Hindi	<ol style="list-style-type: none"> १) बाल रामकथा से १०८ प्रश्नोत्तर लिखो। २) संज्ञा, सर्वनाम, क्रिया एवम् विशेषण की परिभाषा एवम् भेद लिखो। ३) हिंदी के किसी भी अखबार से रोज़ एक मुख्य ख़बर लिखो एवं उसे अपने शब्दों में भी लिखो।
VII	Eng	<ol style="list-style-type: none"> 1. You have found a purse containing some money and papers. It has no name. Draft a notice asking the owner to contact you. _ 2. Write twenty words each using prefix and suffix. 3. Write a paragraph describing a green field or a park. 4. Develop a story from the given outlines and give a suitable moral of the story: <i>Outlines: The hen laid a golden egg daily- "the hen's inside must be full of gold". Thought the owner-killed the hen-gets nothing-repents.</i>
VII	Sci	<ol style="list-style-type: none"> 1. What important role does the forest play in maintaining ecological balance? 2. State the various types of mirror and tabulate it's characteristics. 3. Complete exercise of chapter 17 : Forest our life line
VII	SST	<p>Short Answer type Questions</p> <ol style="list-style-type: none"> 1. What are the four means of transport? 2. Mention any two merits of railways. 3. Why has India a rich heritage of flora and fauna? 4. What do you understand by communication? 5. In what way does the media play an important role in a democracy? 6. In what ways is a hawker different from a shop owner? 7. Name different types of vegetation found in India and describe the vegetation of high altitudes. <p>Long Answer type Questions</p>

		<ol style="list-style-type: none">1. 'All persons have equal rights to visit any shop in a marketplace'. Do you think this is true of shops with expensive products? Explain with examples2. 'Buying and selling can take place without going to a marketplace'. Explain this statement with the help of examples.
VII	Comp	<p>Q. Write a. Algorithm b. Flowchart c. Python Code</p> <p>To find whether a number is positive or negative. (Observe how the prior process makes the next one easier)</p>
VII	SKT	<p>Class-7</p> <ol style="list-style-type: none">1) निम्नलिखितानां शब्दानां रूपानि लिखत फल, नदी, मुनि,2) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत दा, पठ्, गम्, खाद्, ।3) विभिन्नभारतीयसंस्थानां सिद्धान्तः (Motto) चित्तं रचयित्वा संस्कृत भाषायां लिखत ।

VIII	AI	<p>Q.1 Write the print statement code to say "Hello All! This is _____" with your name in the blank.</p> <p>Ans. <input type="text"/></p> <p>Q.2 Write a print statement that uses 20 and the divided by operator: / and prints out 4.</p> <p>Ans. <input type="text"/></p> <p>Q.3 Add a print statement using 5 and multiplication (*), prints out 15 as result.</p> <p>Ans. <input type="text"/></p> <p>Q.4 Write a line of code that asks the user's name and stores it in a variable called name. Now, display the user's name using the print command.</p> <p>Q.5 Edit your code from the last task so it prints "Hello [name]". Add a print statement so that says "[name] is a nice name!"</p> <p>Ans. <input type="text"/> <input type="text"/></p> <p>Q.6 Print the word "Spam!" 8 times.</p> <p>Ans. <input type="text"/></p> <p>Q.7 Write a print statement that calculates: $2 \times 5 + 3$.</p> <p>Ans. <input type="text"/></p> <p>Q.8 Write a print statement that calculates: 5^4.</p> <p>Ans. <input type="text"/></p> <p>Q.9 Add brackets to the print statement on line 1 so that the output is 5.</p> <p><i>print(7 + 3 / 2)</i></p> <p>Ans. <input type="text"/></p>
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Q.10 Calculate:

i) Create a variable called `hourly_rate` and store the number 15.50 in it.

Ans.

ii) Create a variable called `hours_worked` and store the number 40 in it.

Ans.

iii) Set a variable called `wages` equal to the hourly rate multiplied by the number of hours. Print the result.

Ans.

Answer the following questions:

a) What type of variable is `hourly_rate`?

Ans.

b) What type of variable is `wages`?

Ans.

c) What type of variable is `hours_worked`?

Q.11 Add a calculation on to the end of the print statement.

```
print("9 x 12 =")
```

Ans.

Q.12 Add a calculation into the print statement for the circumference of a circle.

```
PI = 3.14159
```

```
diameter = 30
```

```
#Hint: The circumference of a circle=pi*diameter
```

```
print("The circumference of the circle is:" _____)
```

Ans.

VIII	Eng	<ol style="list-style-type: none"> 1. It was the First day of your new school. Make a diary entry describing your first-day experience in your new school. 2. Make Sentence with the following Idioms: <ul style="list-style-type: none"> (i) Bag and baggage (ii) By means of (iii) Hue and cry (iv) In black and white. 3. Write an article on the topic Mobile: "A boon or a Bane"? 4. Rearrange the jumbled words and phrases into meaningful sentences. The first one has been done as an example. <p style="margin-left: 40px;">Example: Curse/a / illiteracy / is /</p> <p style="margin-left: 40px;">Answer: Illiteracy is a curse.</p> <ul style="list-style-type: none"> a. Illiterate/ remain/ the / and//backward/ poor/ people. b. Easily / by/ they/ cheated/ are/ others. c. Our/ it is/ to help/ moral duty/ to become/ literate/ everyone. d. Be can/ increased/ the / rate/ thus/ literacy. e. Illiteracy/ of/ towards/ eradication/ one/ one/ is/ each/ teach/ a / step.
VIII	SST	<ol style="list-style-type: none"> 1. Collect some news items showing the improvement in condition of women in our society. 2. Write a brief note on any one social reformer of your choice. 3. What are the problems of Indian farmers how can we solve it. 4. In the chapter agriculture of the book resource and development (geography) two stories are given on the page number 44 and 45 read the story and find out the difference between the way of farming in India and in America. 5. What was the merits and demerits of British education system in India? <hr/>

VIII	Maths	<p style="text-align: center;"><u>Holiday Homework</u></p> <p>and write</p> <p>1) Learn & table from 9 to 20</p> <p>2) Learn and write square and cube from 1 to 20</p> <p>3) <u>Chapter - 9</u></p> <p>Ex: 9.3 - 4, 5(b) and (c)</p> <p>9.4 - 3(ii) (v) (vi)</p> <p>9.5 - 3(ii) (iii) (iv), 4(iii) (v) & 5(ii), 7(i) (ii)</p> <p><u>Chapter - 11</u></p> <p>Ex: 11.1 - 2, 3</p> <p>11.2 - 3, 7, 11</p> <p>11.3 - 5, 7, 10</p> <p>11.4 - 2, 4, 8</p> <p><u>Chapter - 12</u></p> <p>Ex: 12.1 - 4, 5, 6, 7</p>
VIII	SKT	<p>1) कः रक्षति कः रक्षितः " - इति पाठस्य आधारेण स्वच्छता स्वास्थ्यकरी विषयं अधिकृत्य चित्रवर्णनं कृत्वा दशवाक्यानि लिखत ।</p> <p>2) निम्नलिखितानां शब्दानां रूपानि लिखत - नदी, मुनि, अस्मद्</p> <p>3) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत - पठ्, गम्, खाद्, ।</p>

VIII	Hindi	<p>*कक्षा-8*</p> <ol style="list-style-type: none"> 1.अनौपचारिक पत्र-छोटे भाई को पढ़ाई के लिए 2.क्रिया की परिभाषा एवं प्रकार 3.योग का महत्व अनुच्छेद 4.सूरदास और नरोत्तमदास कविताओं का भावार्थ
VIII	Science	<ol style="list-style-type: none"> 1.Complete your learner diary and MDP (topic: common wealth games) 2.Learn NCERT question answers of chapter <ul style="list-style-type: none"> • reproduction in animals • reaching the age of adolescence • sound • chemical effects of electric current • some natural phenomena • light 3. explain keywords of above-mentioned chapter in your notebook.
IX	Eng	<p>Q.1 REVISE ALL THE LESSONS OF BOTH THE BOOKS.</p> <p>Q.2 REVISE STRUCTURES OF ALL THE TENSES AND MAKE SENTENCES.</p> <p>Q.3 LEARN SECOND AND THIRD FORM OF 50 HARD VERBS AND WRITE THEM IN NOTEBOOK.</p> <p>Q.4 MAKE TEN SENTENCES IN DIRECT NARRATION AND CHANGE THEM INTO INDIRECT NARRATION.</p>
IX	Hindi	<p>*कक्षा-9*</p> <ol style="list-style-type: none"> 1.समास और उसके प्रकार 2.गणतंत्र दिवस पर प्रधानमंत्री का राष्ट्र के नाम सन्देश 3.परीक्षा की तैयारी को लेकर दो विद्यार्थियों में संवाद 4.खेल दिवस के आयोजन के संदर्भ में प्राचार्य को ई मेल लिखें।

IX	Bio	<p>1. Prepare a model to compare plant cell and animal cell using common household items.</p> <p>2. Write about global warming.</p>
IX	SST	<p>1. Collect some pictures related with Second World War and prepare a PPT with description of that photograph.</p> <p>2. Briefly narrate the view of nazism in audio recording.</p> <p>3. Prepare at least 15 MCQs from the chapter Nazism the rise of Hitler and climate.</p> <p>4. Find about the following and write a brief note on them. <u>(a) Prime Minister (b) Cabinet Minister (c) Election commission of India (d) President of India</u></p>
IX	Phy	<p>ANSWER THE FOLLOWING QUESTIONS</p> <p>WORK ENERGY AND POWER</p> <ol style="list-style-type: none"> What is conservation of energy? Explain with an example. What are the quantities on which the amount of work done depend? How are they related to work? A load of 100 kg is pulled up to 5 m. Calculate the work done. ($g = 10 \text{ m/s}^2$) (Ans. 5000 J) A body of mass m is moving with a velocity 5 ms^{-1}. Its kinetic energy is 25 J. If its velocity is doubled, what is its kinetic energy? (Ans. 100 J) A boy weighing 50 kg climbs up a vertical height of 100 m. Calculate the amount of work done by him. How much potential energy he gains? (Given $g = 9.8 \text{ m/s}^2$) (Ans. $4.9 \times 10^4 \text{ J}$) Five electric fans of 120 watts each are used for 4 hours. Calculate the electrical energy consumed in kilowatt hours. (Ans. 2.4 KWh) The power of an electric heater is 1500 Watt. How much energy it consumes in 10 hours? [Ans. 15 KWh(units)] <p style="text-align: center;">GRAVITATION</p> <ol style="list-style-type: none"> State Archimedes' Principle and explain it with example. State two factors on which buoyant force depends. Density of aluminum is 2700 kg m^{-3}. What is its relative density? Density of water is 1000 kg m^{-3}. Define relative density. Ans: 2.7 A ball is released from a height of 1 meter. What time it will take to reach the surface of the earth Ans: 0.45 s A ball thrown up, vertically returns to the thrower after 6 s. Find: <ol style="list-style-type: none"> the velocity with which it was thrown up. the maximum height it reaches and

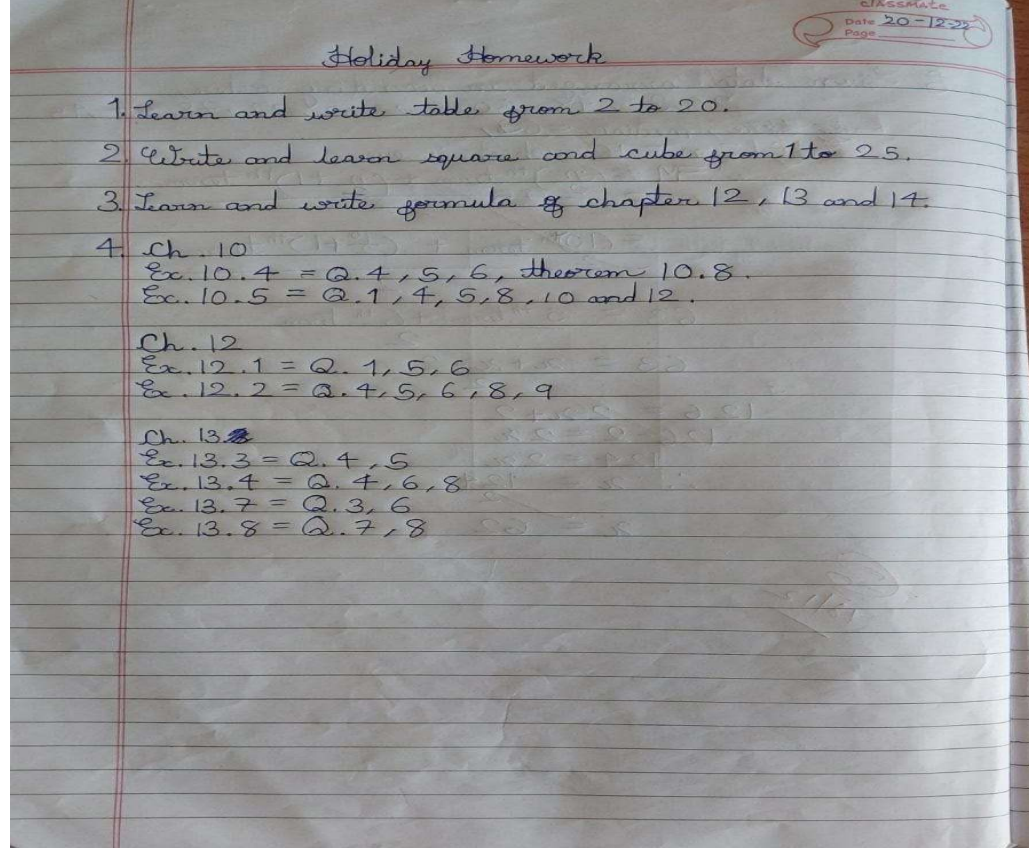
- c. its position after 4 s.
Ans: 29.4 m/s Ans: 4.9 m Ans: 39.2 m

IX SKT

Class-9

- 1) संस्कृते अव्यय पदानां एकां तालिकां प्रस्तुतं करोतु।
- 2) निम्नलिखितानां शब्दानां रूपानि लिखत-
पितृ, किम् (त्रिषु लिंगेषु), राजन्, गुणिन्
- 3) निम्नलिखितधातूनाम् लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत - अस्, लभ्
- 4) भ्रान्तो बालः - इति पाठं चित्रं रचयित्वा कथावर्णनं करोतु।

IX Maths



IX	AI	<ol style="list-style-type: none"> 1. Briefly describe each component of neural network? 2. State the advantages of neural network? 3. Classify the types of machine learning (3 types) and provide brief explanation of them 4. What do you mean by carbon growth? What are its consequences? 5. Write down the objective of GSDP of Government of India? 6. What do you mean by green skills and green jobs? Give examples 7. Distinguish between corporation and cooperation. 8. Define whole sale price and retail price in merchandising business? 9. Discuss the social factors affecting the growth of Entrepreneurship. 10. Write program in python for the following problems- <ol style="list-style-type: none"> i) Input radius of a sphere and calculate its volume, surface area. ii) Input 2 list from the user, add them and find the maximum and minimum elements from the resultant list.
X	Eng	<p>Q.1 REVISE ALL THE LESSONS OF BOTH THE BOOKS.</p> <p>Q.2 ATTEMPT ENGLISH QUESTION PAPER OF PRE BOARD 1 AND WRITE ALL THE ANSWERS IN THE NOTEBOOK.</p> <p>Q.3 REVISE TENSES AND ACTIVE & PASSIVE VOICE STRUCTURES.</p> <p>Q.4 REVISE THE RULES OF DIRECT AND INDIRECT NARRATION AND MAKE 10 SENTENCES IN DIRECT & INDIRECT NARRATION.</p>
X	SST	<ol style="list-style-type: none"> 1. Collect some pictures related with Indian National Movement in India and prepare a PPT with description of the photograph. 2. Draw an outline map of India and mark the following places on it. <ol style="list-style-type: none"> A. Chauri chaura B. Lahore C. Dandi D. Ahmedabad E. Kheda F. Champaran G. Madras H. Bombay I. Nagpur J. Kolkata 3. Explore the philosophy of Mahatma Gandhi with special focus on the idea of Satyagraha and prepare a brief note on it. 4. What are the three list of Indian Constitution? Explain.

X	Bio	<ol style="list-style-type: none"> 1. Discuss what methods could be applied to reduce our intake of pesticides. 2. How do Mendel's experiment show that traits are inherited independently? 3. Life processes (chapter 6) Activity 6.2
X	Hindi	<p>कक्षा-10</p> <ol style="list-style-type: none"> 1. होली पर मुख्यमंत्री का संदेश 2. आपने एक योग प्रशिक्षण केंद्र खोला है। प्रचार के लिए विज्ञापन लिखें। 3. बिजली कटौती की परेशानी के कारण आपकी पढाई बाधित हो रही है। जानकारी देते हुए मुख्य बिजली अभियंता को पत्र लिखिए। 4. पद परिचय
X	Phy	<ol style="list-style-type: none"> 1. solve pre board-1 question paper 2. solve NCERT exercise numerical 3. learn and write all formulas
X	SKT	<p>Class-10</p> <ol style="list-style-type: none"> 1) संस्कृते अव्यय पदानां एकां तालिकां प्रस्तुतं करोतु। 2) कर्मवाच्ये, भाववाच्ये धातूनां रूपाणि कीदृशानि भवन्ति तत् लिखित्वा एकं चलचित्रं निर्मातु । (20) 3) विचित्रसाक्षी" - इति पाठं चित्रं रचयित्वा कथावर्णनं करोतु। 4) धातु रूपाणि लिखत- शी, लभ्(आत्मनेपदी) , कृ ।

X	Hindi	<p>कक्षा 11</p> <ol style="list-style-type: none"> 1.जनसंचार 2.पत्रकारिता 3 पत्र लेखन के प्रकार 4.फीचर 													
X	AI	<p>Prepare for Preboard II, complete the Project file and answer the following questions:</p> <ol style="list-style-type: none"> 1. Answer the following Questions mentioning the correct state[TP, TN, FP, FN] of the confusion matrix : <ol style="list-style-type: none"> a. When Predicted is Yes and Reality Is yes : b. When Predicted is No and Relaiity is Yes: c. When Predicted is No and Reality is No: d. When Predicted is Yes and Reality is No: 2. Find out Accuracy,Precision,Recall and F1 Score for the following Confusion matrix <table border="1" data-bbox="430 840 1523 1323" style="margin-left: 20px;"> <thead> <tr> <th colspan="2" rowspan="2"></th> <th colspan="2">Prediction</th> </tr> <tr> <th>1</th> <th>0</th> </tr> </thead> <tbody> <tr> <th rowspan="2">Reality</th> <th>1</th> <td>60</td> <td>22</td> </tr> <tr> <th>0</th> <td>10</td> <td>15</td> </tr> </tbody> </table> 3. Correctly specify all the text normalization steps for the following documents. Doc 1 : Nita loves reading books. Nita is fond of soft toys. Doc 2 : Ram loves playing chess. He is also an athlete. 4. Differentiate between script bot and smart bot. 5. Explain Artificial Neural networks with a neatly labelled diagram 6. Mention all steps of AI project cycle briefly explaining each phase. 			Prediction		1	0	Reality	1	60	22	0	10	15
		Prediction													
		1	0												
Reality	1	60	22												
	0	10	15												

XI	Eng	<p>Q.1 REVISE ALL THE LESSONS OF BOTH THE BOOKS TAUGHT TILL DATE.</p> <p>STUDY THE FOLLOWING</p> <p>Main Characteristics of Classified Advertisements:</p> <ul style="list-style-type: none"> • They are categorised into columns according to different classes. • They are written in short catchy phrases and words. • The language used is simple, factual and formal. • They are short, concise and to the point. • All the relevant information is provided. • Contact name and address is given. • They are written in a box to attract attention. <p>You are Krishna/ Tisha, Secretary, Greenland Enterprises Ltd, Delhi-110006. Your Chairman has asked you to draft an advertisement for a local daily under the classified columns for the vacant posts of one accountant and two office assistants. Draft an advertisement.</p> <p>Answer:</p> <p style="text-align: center;">SITUATION VACANT</p> <p style="text-align: center;">Required one accountant and two office assistants for a renowned firm. Minimum qualification: Bachelor's degree in commerce and work experience of minimum one year. Remuneration—best in the industry. Interested candidates can send their CVs by courier/speed post to Greenland Enterprises Ltd, 4436/16, Daryaganj, Delhi-110006. Contact Krishna, Secretary, Mobile no 98111XXXXX</p> <p>Q.2 Hotel Lake View. Udaipur, needs young & smart lady receptionists. Write an advertisement to be published in the 'Situation Vacant' column of a local newspaper.</p> <p>Q.3 You are the Managing Director of Varun Enterprises, a leading garments export house. You need accountants for your Meerut office. Write an advertisement for the 'Situation Vacant' column of a local daily.</p> <p>Q.4 ATTEMPT ENGLISH QUESTION PAPER OF HALF YEARLY EXAMINATION AND WRITE ALL THE ANSWERS IN THE NOTEBOOK.</p>
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XI	Phy	<p style="text-align: center;">Class: XI physics homework</p> <p>Solve these question</p> <p>SECTION A</p> <table border="1" data-bbox="337 1522 1510 1795"> <thead> <tr> <th data-bbox="342 1528 391 1612">Q. No</th> <th data-bbox="391 1528 1433 1612">Question</th> <th data-bbox="1433 1528 1505 1612">Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="342 1612 391 1789">1</td> <td data-bbox="391 1612 1433 1789"> Which physical quantities have the same dimension? a. force and power b. torque and energy c. torque and power d. force and torque </td> <td data-bbox="1433 1612 1505 1789">1</td> </tr> </tbody> </table>	Q. No	Question	Marks	1	Which physical quantities have the same dimension? a. force and power b. torque and energy c. torque and power d. force and torque	1
Q. No	Question	Marks						
1	Which physical quantities have the same dimension? a. force and power b. torque and energy c. torque and power d. force and torque	1						

		<p>2 The velocity of a particle moving along a straight line is described by the equation $v = 12 - 3t^2$ where x is in meter and t in sec. The retardation of the particle when its velocity becomes zero is</p> <p>a. 24 m/s² b. 0 c. 6 m/s² d. 12 m/s²</p>	1
		<p>3 The angle between $i+j$ and $i-j$</p> <p>a. 45° b. 90° c. -45° d. 180°</p>	1
		<p>4 Conservation of momentum in a collision between particles can be understood from</p> <p>a. conservation of energy</p>	1
		<p>b. Newton's first law only b. Newton's second law only b. both Newton's second & third law</p>	
		<p>5 In equilibrium of particle when net external force of a particle is zero then the particle is</p> <p>a. at rest b. moving with uniform velocity c. moving with uniform acceleration d. both (a) and (b)</p>	1
		<p>6 The escape velocity of a body from earth is v_e. If the radius of earth contracts to one fourth of its value keeping the mass of the earth constant, escape velocity will be-</p> <p>a. doubled b. halved c. tripled d. unaltered</p>	1
		<p>7 The property of a body by virtue of which it tends to regain its original size and shape of a body when applied force is removed is known as</p> <p>a. fluidity b. elasticity c. plasticity d. rigidity</p>	1
		<p>8 A wire is stretched to double its length. The strain is</p> <p>a. 2 b. 1 c. 0 d. 0.5</p>	1

	9	Surface tension is due to a. frictional forces between molecules b. Cohesive forces between molecules c. Adhesive forces between molecules d. both (b) & (c)	1
	10	The density of water at 4°C is a. $1 \times 10^3 \text{ kg/m}^3$ b. $4 \times 10^2 \text{ kg/m}^3$ c. $6 \times 10^3 \text{ kg/m}^3$ d. $3.2 \times 10^3 \text{ kg/m}^3$	1
	11	When temperature of water is raised from 0 to 4°C, it a. expands b. contract c. expands upto 2°C & then contracts upto 4°C d. contracts upto 2°C & then expands upto 4°C	1
	12	Choose the correct option a. zeroth law gives the concept of temperature b. temperature measures the hotness of the body	1
		c. heat flows from higher temperature to lower temperature until thermal equilibrium is attained c. all of the above	
	13	The collisions of the molecules of ideal gas are a. elastic b. inelastic c. completely inelastic d. partially elastic	1
	14	The total energy for one mole of solid is a. 2 RT b. 3 RT c. 4 RT d. $(3/2)RT$	1
		Two statements are given-one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) & (d) as given below. a. Both A and R are true and R is the correct explanation of A b. Both A and R are true and R is NOT the correct explanation of A c. A is true but R is false d. A is false and R is also false	

15	ASSERTION: A cricketer moves his hands forward to catch a ball so as to catch a ball so as to catch it easily without hurting. REASON: He tries to decrease the distance travelled by the ball so that it hurts less.	1
16	ASSERTION: A spring has potential energy, both when it is compressed or stretched. REASON: In compressing or stretching, work is done on the spring against the restoring force.	1
17	ASSERTION: Smaller the orbit of the planet around the sun, shorter is the time it takes to complete one revolution. REASON: According to Kepler's third law of planetary motion, square of time period is proportional to cube of mean distance from sun.	1

mωmωx

SECTION B

Q. No	Question	Marks
18	In the gas equation $(P + a/V^2)(V - b) = RT$ where T is the absolute temperature, P is the pressure and V is the volume, what are the dimensions of constants a and b?	2
19	The distance travelled by a body varies directly proportional to the square of time. What type of motion does this body have?	2
20	State laws of limiting friction. OR <i>Friction is necessary evil</i> - Justify.	2
21	Define moment of inertia. Write its SI unit and dimensional formula.	2
22	Derive how the value of 'g' varies with height from the surface of the earth.	2
23	Define Young's modulus of elasticity. Write an expression for it.	2

SECTION C

Q. No	Question	Marks
24	The frequency of vibration (ν) of a string mass depends upon length (l) of the string, tension (T) in the string and mass per unit length (m) of the string. Use method of dimensions for establishing the formula for the frequency.	3

25	Obtain an expression for the maximum speed with which a vehicle can safely negotiate a curved road banked at an angle θ	3
26	Show that the mechanical energy of a freely falling body is conserved.	3
27	What is the value of g at the bottom of sea 7 km deep? Radius of earth = 6400 Km, $g = 9.8 \text{ m/s}^2$ OR Assuming the earth to be a sphere of uniform density, how much could a body weigh half way down the centre of the earth if it weighed 250 N on the surface?	3

SECTION D

Q. No	Question	Marks
28	What do you mean by projectile? A projectile is fired with velocity u making an angle θ with the horizontal. Show that its path is parabolic. Also find expression for (i) maximum height attained (ii) time of flight. OR What do you understand about rectangular components of a vector? A vector \vec{A} makes an angle θ with the x-axis. Resolve vector \vec{A} into its rectangular components. Write the magnitude of vector \vec{A} in terms of the magnitude of its rectangular components.	5
29	State and prove Bernoulli's theorem of a liquid having streamline flow. Give its one application. OR What is the phenomenon of capillarity? Derive an expression for the rise of liquid in a capillary tube of uniform diameter.	5

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SECTION E

Q. No	Question	Marks

		<p>30 Case Study:</p> <p>Read the following paragraph and answer the questions:</p> <p>The centre of mass (C.O.M.) of a body is a point at which the entire mass of the body is supposed to be concentrated. The position vector of C.O.M. of the system of two particles of masses m_1 and m_2 with position vectors \vec{r}_1 and \vec{r}_2 is given by $m_1\vec{r}_1 + m_2\vec{r}_2$</p> $\vec{r} = \frac{m_1\vec{r}_1 + m_2\vec{r}_2}{m_1 + m_2}$ <p>For isolated system, where no external force is acting, $V_{cm} = \text{constant}$. Under no circumstances, the velocity of the C.O.M. of an isolated system can undergo a change. With the help of above comprehension, answer the following questions:</p> <p>Two bodies of masses 1 kg and 2 kg are located at (1,2) and (-1,3) respectively. Find the coordinates of C.O.M.</p>	4
		<p>ii. A bomb dropped from an aeroplane in level flight explodes in the middle. The centre of mass of the fragments are</p> <ol style="list-style-type: none"> is at rest Moves vertically downwards Moves vertically upwards continues to follow the same parabolic path which it would have followed if there was no explosion. <p>iii. Two blocks of masses 5kg and 2kg are placed on a frictionless surface and connected by a spring. An external kick gives a velocity of 14m/s to heavier block in the direction of lighter one. What is the velocity gained by the C.O.M?</p>	
X	Che	<ol style="list-style-type: none"> solve pre board-1 question paper and other last year paper solve NCERT exercise reaction for metal and non metals along with acid base and salt. learn and write all IUPAC naming of carbon and its compounds 	

X	Bio	<ol style="list-style-type: none"> 1. Discuss what methods could be applied to reduce our intake of pesticides. 2. How do Mendel's experiment show that traits are inherited independently? 3. Life processes (chapter 6) Activity 6.2
XI	Che	<ol style="list-style-type: none"> 1. solve half year question paper in your note book. 2. solve NCERT exercise for redox chapter
XI	CS	<p>Revise Python concepts.</p> <p>List Programs:</p> <ol style="list-style-type: none"> 1. Calculate the total number of zeros, positive and negative elements in the list. 2. Find out the total number of even elements in the list. 3. Find out the total number of odd elements in the list. 4. Write a program to take in the roll number, name and percentage of marks for n students of Class XI and do the following: <ul style="list-style-type: none"> ○ Accept details of the n students (n is the number of students). ○ Search details of a particular student on the basis of roll number and display result. ○ Display the result of all the students. ○ Find the topper amongst them. ○ Find the subject toppers amongst them. 2. Create a list and count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings. 3. Print your list after removing all elements which are divided by 3. <p>Dictionary Programs:</p> <ol style="list-style-type: none"> 1. Write a program to multiply all the values of a given dictionary 2. Write a program to accept a key from the user and remove that key from the dictionary if present 3. Write a program in Python to remove the duplicate values from the dictionary <p style="margin-left: 40px;">Original dictionary = {1 : "Aman", 2: "Suman", 3: "Aman"}</p> <p style="margin-left: 40px;">New dictionary = {1 : "Aman", 2: "Suman"}</p>

XI	Maths	<p>① Write 10 Mathematics Activity in Physics or Chemistry file.</p> <p>② Chapter - 11 ^{Ex-11.1} - 11 - Q.5, 7, 11 Ex11.2 - Q.5, 6, 10, 12 Ex11.3 - Q.4, 7, 14, 19 Ex11.4 - Q.3, 6, 11, 15</p>	
XII	Eng	<p>Q.1 REVISE ALL THE LESSONS OF BOTH THE BOOKS.</p> <p>Q.2 You are Srinivas/Srinidhi of D.P. Public School, Nagpur. As a Student Editor of your school magazine, draft a notice in not more than 50 words for your school notice board inviting articles and sketches from students of all classes.</p> <p>Q.3 You are Navneet of 65, P.H. Road, Mangalore. Recently you bought a mobile phone from 'The Phone Point', 83, Mount Road, Mangalore. The phone instrument developed a problem within a month of purchase. Write a letter to the dealer giving details of the nature of the problem and asking him/her to rectify the defect or replace the set.</p> <p>Q.4 The number of women in the police force seems insufficient especially when we see the increasing involvement of women in terrorist activities. Write an article in 150-200 words for 'The Hindustan Chronicle', on the need of having more women in the police force.</p> <p>Q.5 As the Principal of a reputed college, you have been invited to inaugurate a Book Exhibition in your neighbourhood. Draft a reply to the invitation in not more than 50 words, expressing your inability to attend the function. You are Tarun/Tanvi.</p>	
XII	Hindi	<p>कक्षा 12</p> <ol style="list-style-type: none"> 1. कैसे बनता है नाटक 2. पत्रकारिता के प्रकार 3. कहानी का नाट्य रूपांतरण 4. वितान भाग-2 पाठों का सारांश 	

XII	Phy	<p style="text-align: center;"><u>Class xii physics hw</u></p> <ol style="list-style-type: none"> 1. solve pre board-1 question paper 2. solve NCERT exercise numerical 3. practice all important derivations 4. learn and write all formulas
XII	Che	<ol style="list-style-type: none"> <u>1. Solve pre board-1 question paper in your notebook and there is a oral test for this after vacation.</u> <u>2. Solve NCERT Exercise for d & f block elements and chemical kinetics</u> <u>3. learn and write all formulas</u>
XII	Bio	<ol style="list-style-type: none"> 1. Solve your pre- board 1 question paper. 2. Complete your practical notebook. 3. Prepare an investigatory project on medicinal plants in your local area.
XII	CS	<p>Revise for the Preboard and Practical Exams. Solve the Sample Question Papers that are already shared.</p>

IV-X	Art Education	<p>Class 4A/4B, 5A/5B</p> <p>Draw and paint 3 separate posters on the culture of Rajasthan . Mention your name and class on each painting.</p> <p>Class VI, VII & VIII</p> <ol style="list-style-type: none"> 1. Make a poster on culture of Rajasthan. 2. Write an essay on the festivals of Rajasthan. Write it on chart paper and decorate it with drawings. 3. Draw a map of Rajasthan. <p>Class IX</p> <ol style="list-style-type: none"> 1. 10 sketches (object, human, animal etc.) 2. 2 still life (pencil shading) 3. 2 still life (watercolour) 4. 2 Figurative composition (Market, railway station etc.) 5. 3d art(Rajasthani puppet) 6. Colour wheel 7. one Poster. Theme: the culture of Rajasthan <p>All these 7 items should be kept in one file. File name should be the Name of the student_class_Art activity 2020. Example : if the name of the student is Benu.. File name should be : "Benu_IX_ArtActivity2020"</p> <p>Class X</p> <ol style="list-style-type: none"> 1. Draw and paint a Poster on rajasthani culture& literature. 2. 1 still life (pencil shading) 3. 1 still life (watercolour) 4. 2 Figurative composition (Market, railway station etc.) 5. 3d model : Rajasthani puppet 6. Write and draw about Rajasthani architecture on a chart paper. Decorate it. <p>All these 6 items should be kept in one file. File name should be the 'Name of the student_class_Art activity 2020' . Example : if the name of the student is Benu.. File name should be : "Benu_X_ArtActivity2020"</p>
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