

TATA DAV PUBLIC SCHOOL, WBC, GHATOTAND

Summer Vacation H.W for Students Std. III to XII(2022-23))

Std. III

S.No.	Subject	Questions	Submission Date
	English	<p>English Reader</p> <p>1. I speak I say I talk</p> <p>i.i.Rearrange the jumbled letters.</p> <p>ii. Match each baby animals with its parent</p> <p>2. Dolphins</p> <p>i A6.Learn and write the question answers</p> <p>ii A7 Opposite words</p> <p>iii A8 Fill in the Blanks</p> <p>3. At the zoo</p> <p>i .B3 Learn and write the question answers</p> <p>Art integration work (scrap book)</p> <p>1. Compose a poem on the natural beauty and cleanliness of the beach.</p> <p>Value based</p> <p>1. What would you do if you see some children teasing animals in the zoo?</p> <p>2. What precautions should the visitors take while moving around the zoo?</p> <p>3. Write 10 lines why we should be kind to all the birds and animals.</p> <p>Activity</p> <p>1. Draw and colour five proper nouns and common nouns and make sentences.</p> <p>2. list the names of persons ,animals ,birds ,places and things that you see around yourself in your home.</p>	01/07/2022
	Maths	<p>Ch – 1 Numbers upto 9999</p> <p>Worksheet 1 (Page no – 6 and 7)</p>	01/07/2022

		<p>Worksheet 3 (Q no 2 and 3)</p> <p>Worksheet 6 (Page no 11)</p> <p>Worksheet 7 (Page no 13)</p> <p>Brain teasers (Do all question in HW copy only q no 2 in scrap book)</p> <p>Ch – 2 Addition</p> <p>Worksheet 2 and 3</p> <p>Ch- 3 subtraction</p> <p>Worksheet - 4</p> <p>Activity :- Make abacus in your scrap book of the following number using different colour for different place value</p> <p>a. 5428</p> <p>b. 9005</p> <p>c. 7308</p> <p>d. 0657</p> <p>e. 4367</p> <p>Art Integration</p> <p>Represent the number using counter in different box and different colour</p> <p>Add a. $3452+1425$</p> <p>b. $6000 +56$</p>	
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		See Example :- (in scrap book)	
	Hindi	<p>भाषा माधुरी पाठ -1 भौलू भुलक्कड़ प्रश्न उत्तर पाठ -2 चतुर कौवा प्रश्न उत्तर प्रश्न- कविता में से चार जोड़े वाले शब्द लिखिए। पाठ -3 हाथी और चिड़िया प्रश्न-उत्तर पाँच चंद्रबिंदु वाले शब्द लिखिए। पौष्टिक आहार पर निबंध लिखिए। Activity (in Scrap Book) 1.अपने पसंदीदा जानवर का मुखौटा बनाकर उनके नाम लिखिए। (कोई पाँच) 2.पाँच हरी सब्जियों व फलों का चित्र बनाकर उनके नाम लिखें। Art integration 1. अपने मन पसंदीदा पक्षि का चित्र बनाकर एक स्वरचित कविता लिखिए।</p>	01/07/2022
	S.st	<p>Chapter -1 The Family A. Tick the correct option B. Fill in the blanks C. Match the following D. Answer the following questions Chapter -2 Family Similarities A. Tick the correct option B. Fill in the blanks C. Write True or False D. Answer the following questions Art integration 1.Draw a family tree. Paste photo and write names of all family members in family tree. 2. Make a card for a family member whom you want to thank.</p>	01/07/2022
	Science	Ch 1 (My body)and Ch 2 (Plants)	01/07/2022

		<p>Do in HW Copy</p> <ol style="list-style-type: none"> Keywords Fill in the blanks True or false Tick the correct option Short question answer <p>*Activity in Scrap book*</p> <p>Draw colour and label</p> <p>A) parts of our body</p> <p>B) human tongue</p> <p>C)different parts of a plant</p> <p>D)five fruit giving trees.</p> <p>*Art Integration Activity(scrapbook)*</p> <ol style="list-style-type: none"> Make a collage to show different parts of the plant. Compose a poem on SENSE ORGANS. 	
	Art	<p>Art - Still life, pencil Shading, Composition, Craft work - Toy making, Best out Of waste, flower pot.</p>	01/07/2022
	Computer	<p>Ch - 1</p> <p>Getting started</p> <p>Draw the diagram of computer and label each part of computer</p> <p>Write the main feature of</p> <p>Monitor</p> <p>CPU</p> <p>Mouse</p>	01/07/2022

		<p>Explain each button of mouse and its function</p> <p>Observe the laptop and mobile . write any two differences and the similarities (if any) between two</p>	
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Std. IV

S.No.	Subject	Questions	Submission Date
	Eng.	<p>Lesson-1 A True Friend</p> <p>Do the exercise no-A5,A6 and A7</p> <p>Write an Informal Letter given on page no 11</p> <p>Lesson-2 Mix Up At Birth</p> <p>Do the exercise no-B3,B4,B5,and B6</p> <p>Reading Skill- Read at least 5 stories from the story Book Panchtantra and write a few lines about the 10 characters of the stories which you like most.(4 to 5 lines)</p>	01/07/2022
	Maths	<p>Project :- To make a place value chart in A 4 size chart paper.</p> <p>Page-15 , Question - (2)</p> <p>Page-17, Question- 5 , 6, 7, 8 and 9 .</p> <p>Page-27, Question- 2 , 3, and 4 .</p> <p>Page-39, Worksheet-4 ,All Questions.</p> <p>Page-44, Worksheet-4, All Question .</p> <p>Multiplication Table- 12 to 20 (Learn and write)</p>	
	Hindi	<p>भाषा माधुरी</p> <p>पाठ -1 फैलती -चप्पलें</p>	01/07/2022

		<p>प्रश्न उत्तर पाठ -2 उलटा - पुलटा प्रश्न उत्तर पाठ -3 अनोखा ढंग प्रश्न उत्तर पाठ -4 मित्रता प्रश्न उत्तर Activity (in Scrap Book) 1. अपनी दादी माँ के लिए एक सुंदर सा बैग बनाइए। 2. गांधीजी से जुड़ी कोई तीन चीजों के चित्र बनाकर उनके नाम लिखिए। Art integration 1. अपने मन पसंदीदा जानवर का चित्र बनाकर एक स्वरचित कविता लिखिए।</p>	
	S.st	<p>Chapter 1 Family Relationships Chapter 2 Sensitivity Towards Others</p> <p>Write in HW copy 1. Section A, B, C Activity in scrap book Make a political map of India. Trace The boundaries of the following Delhi Jharkhand Mumbai Kolkata Chennai Art integration Activity *Prepare a family album. Write down a small poem or few lines about any three family members. *Write down different types of celebration that you enjoy with your family member. *Draw different sign language.</p>	
	Science	CH - My Body	p

		<p>Question A- Fill in the Blanks B- Match the Following D - answer the questions in brief E- Answer the following questions Ch- 2 - Plants Question A - Fill in the blanks B - True - False D - Answer the questions in brief E- Answer the questions Ch- 3 - Flowers and Fruits A- Fill in the Blanks B-True - False D- Answer the questions in brief E - Answers the Questions ACTIVITY - 1 .- To draw or paste Tap root and Fibrous Roots in scrap book and File also 2. - To make a File on plants in A-4 size copy(To draw diagram of a plant and mention all its parts and write the functions of the main parts .</p>	
	Art	Different type of sketching, creative art, madhubani painting.	
	Art	Art Pencil Shading, oil pastel colouring, creative work, Craft work collage work, paper bag, C.D creative work.	
	Computer	Draw and write 5 input and 5 output device of computer. Find the storage capacity of your parents smartphone .Do not forget to take their permission before checking the device Total Used Unused/Free	

Std. V

S.No.	Subject	Questions	Submission Date
	English	<p>Lesson-1 Monday Morning Blue</p> <p>Do the exercise no-A4, A5 and A7. Page 7 of 40 Life Skill-Write the answer of the question A6 given on page no-7 Lesson-2 Mix UP At Birth Write the Power of Words given on page no-19, Complete the exercise no B4 and B5</p> <p>Reading Skill- Read at least 5 stories from the Story Book Panchtantra and describe about 10 characters of the stories which you like most.(4 to 5 lines)</p>	
	Hindi	<p>भाषा माधुरी पाठ -1 दिमागी लड़ाई प्रश्न उत्तर पाठ -2 लौह पुरुष प्रश्न उत्तर पाठ -3 पेड़ प्रश्न उत्तर गणतंत्र दिवस पर निबंध लिखिए। Activity (in Scrap Book) 1. सरदार पटेल के नवस्थापित 'स्टेच्यू ऑफ यूनिटी' के बारे में जानकारी एकत्रित कर लिखे व चित्र बनाएं। 2. अलग-अलग पेड़ों के चित्र बनाकर उनके नाम लिखिए और इन पेड़ों की एक-एक उपयोगिता लिखिए। Art integration 1. अपने मन पसंदीदा पेड़ का चित्र बनाकर एक स्वरचित कविता लिखिए।</p>	01/07/2022
	Maths	<p>Lesson-1 Project:- Make a international place value chart upto 9 digit in A4 chart paper. Unit-1</p>	

		<p>Numbers upto 99,99,999</p> <p>Write down smallest and greatest 7-digit, 8-digit and 9-digit numbers.</p> <p>Page no.-12, Brain Teaser, Question- 1,2 and 3</p> <p>Unit-2</p> <p>Question -2 all questions</p> <p>Unit-2</p> <p>(1)Page-16, Question-2 (all questions)</p> <p>(2) Find the sum of the greatest 8-digit, 7-digit and 6-digit numbers</p> <p>Page No.- 18 , Worksheet-3</p> <p>Question- (1), (a),(b),(c) and (d).</p> <p>Page-42, Brain Teaser, All questions.</p>	
	S.st	<p>Lesson 1- Importance of family</p> <ol style="list-style-type: none"> 1. Value based question page no-7(in the copy), 2. Something to do page no 8 question no 1.2.3(do in the file) <p>Lesson-2- Human Migration</p> <ol style="list-style-type: none"> 3. Value based question no page no 16 4. Something to do page no 17, question no 2,3,4(in the copy) 5. Map skill page no 17. <p>Art integrated activity- Draw and colour a list of the ways in which resources are wasted in your neighborhood.</p>	<p>Submission date</p> <p>01/07/2022</p>
	Science	<p>Ch 1 -My Body</p> <p>Ch-2 Plants</p> <p>Do in HW copy</p> <ol style="list-style-type: none"> 1. Keywords 2. Fill in the blanks 3.Match the following 4.Tick the correct option 5.Short question answers 	<p>01/07/2022</p>

		Activity in scrapbook 1. Draw, label and colour Process of photosynthesis , Two insectivorous plants, parts of a bean seed ,stages of germination in a bean seed ,taste buds on the tongue ,inner view of eye ,human breathing system Art integration activity 1. Make a collage of ' Process of photosynthesis.' 2. Compose a Poem on the sense organs .	
	Art	Art Madhubani Painting, Different type of shading, creative art, Craft work Colourful lotus with paper, collage work, paper bag.	
	संस्कृत	तत् शब्दरूप (पुल्लिंग ,स्त्रीलिंग,नपुंसक लिंग), बालक शब्दरूप ,चित्र सहित जीवजन्तु नाम तीनों भाषाओं में लिखना, चित्र सहित शाकसब्जियों के नाम तीनों भाषाओं में लिखना है ।	1/6/2022
	Computer	Write a short note on measuring storage capacity and write different unit to measure computer memory Activity :- Write the storage capacity of your smart phone.	

Std. VI

S.No.	Subject	Questions	Submission Date
	English	<ol style="list-style-type: none"> 1. Why do little children keep changing their mind every now and then? 2. What is the role of parents in shaping the future of children? 3. The world is made up of good and evil people . Prove this by giving examples from the story " The White Elephant " 4. We should love animals as they also feel love and pain. Explain it. 5. Write the Structure of all the Tenses with 5 examples . 6. Write a book review of Malgudi Days by RK Narayan in 250 words. 7. Write 5 new words with meaning from the newspaper and make sentences 	

		with each word for 20 days (date wise)	
Hindi	ग्रीष्मऋतु गृहकार्य 1.)- ज्ञानसागर- पाठ - 1 से 8 तक प्रश्नोत्तर लिखे । 21) अवकाश हेतु प्रधानाचार्या को आवेदन पत्र दें । 3.) व्यायाम का महत्व पर निबन्ध लिखे (4.) पर्यावरण का महत्व पर निबंध लिखें 5) संज्ञा की परिभाषा एवं भेदों का नाम लिखते हुए परिभाषा के साथ उदाहरण दे ।) 6) सर्वनाम की परिभाषा एवं भेदों का नाम लिखते हुए परिभाषा के साथ उदाहरण दें / 7) परियोजना कार्य : ' जल संरक्षण ' पर विज्ञापन बनाते हुए चित्र के साथ संरक्षण के उपायों पर दस पंक्तियाँ लिखें ।		01/07/2022
S.st	Value based question no 1&2 page no 11(in the copy), Something to do page no 12 q no 3(do in the file) Value based question page no 19 ,Something to do page no 75 q no 2(in the copy)Map skill page no 182.		1/6/2022
Science	<p>1. Answer the following questions:(To be done in the Science H.W.Copy)</p> <p>a)What do you understand by a balanced diet?Is it same for all ages?</p> <p>b)Why Rain Water Harvesting has become the need of today?Explain.</p> <p>c)Write the test for (i)Starch (ii)sugar (iii)Proteins (iv)Fats</p> <p>d) What do you mean by Deficiency Disease?Make a list of all the deficiency disease,symptoms&cure of these diseases.</p> <p>e)How temperature effects the solubility of a substance?</p> <p>f)Define –(i)saturated solution (ii)diffusion</p> <p>ACTIVITY:</p> <p>a)Make a Rain Water Harvesting model.</p> <p>b)Make a model to show the arrangement of particles in three states of matter.</p> <p>c)Make a twin bin system.List five materials which are recycled.</p>		01/07/22

	Art	Art Warli Painting, Composition with human figure, Pencil Shading work with Nature. Craft work Toy making, paper bag, collage work.	
	MATHS	CHAPTER-1 Worksheet- 5,6,9 and Brain Teasers (All questions) CHAPTER-2 Worksheet- 3,4, Brain Teasers (All questions) CHAPTER- 3 Worksheet-2 (All questions) Art Integrated Project- Draw Warli painting using congruent triangles, circles and lines.(In A4 size paper)	1/6/2022
	संस्कृत	तत् शब्दरूप (पुल्लिंग ,स्त्रीलिंग,नपुंसक लिंगं),बालक ,मुनि ,साधु शब्दरूप ,एतत् शब्दरूप (पुल्लिंग ,स्त्रीलिंग,नपुंसक लिंगं, किम् शब्दरूप (पुल्लिंग ,स्त्रीलिंग,नपुंसक लिंगं),अस्मद् शब्दरूप ,युष्मद् शब्दरूप लिखना है।	1/6/2022
	COMPUTER	What are Input and Output devices? Draw 10 input and output devices with their uses. (A4 size paper)	

Std. VII

S.No.	Subject	Questions	Submission Date
	English	1. Write the summary of the chapter "Monkey Trouble " 2. Make a creative file of handmade sheet and insert 8-10 punch sheets in it. Now paste the pictures of animals on each and write about the things that you can learn from them. 3. How can you say that Ruskin Bond enjoys writing stories based on animals? 4. Human beings have no right to capture any animal for any entertainment. Comment on this .	

		5. Write a book review of The Adventures Tom Sawyer by Mark Twain in 250 words. 6. Read online newspaper daily and write 20 editorials date wise with 5 new words from each of them	
Hindi		ग्रीष्मऋतु गृहकार्य Std - VII ज्ञान सागर 1.) पाठ - 1 से 8 तक के प्रश्नोत्तर लिखे ? 2.) किसी नाटक का वर्णन करते हुए मित्र को पत्र लिखें ? 3.) जल ही जीवन है : - पर निबन्ध लिखे । (4.) पुस्तकों की उपयोगिता पर निबन्ध लिखे । 5.) संज्ञा की परिभाषा एवं सभी भेदों का नाम लिखकर परिभाषा सहित उदाहरण दे । 6.) विशेषण की परिभाषा सहित भेदों का नाम लिखते हुए उदाहरण दे । 7.) परियोजना कार्य : - किसी ऋतु का सुन्दर सचित कविता लिखे	01/07/2022
Maths		CHAPTER-1 Worksheet- 3,6, and Brain Teasers (All questions) CHAPTER-2 Worksheet- 3,4, Brain Teasers (All questions) CHAPTER- 3 Worksheet-3 (All questions) Project- Represent the following Rational Numbers on number line- $-\frac{3}{5}$, $2/-3$, $\frac{3}{4}$, $-4/-7$ (In A4 size paper)	1/6/2022
S.st		Something to do page no 6 Q NO 2, Something to do page no 15, Something to do page no 81 Qno1 in the file& 2 in the copy, Value based question no 1&2 page no 89&156, all will be done in the HW copy.	1/6/2022

Science	<p>1. Give reasons:</p> <p>a) Why colour of CuSO₄ solution changes when iron nails are put into it?</p> <p>b) Why plants have autotrophic mode of nutrition?</p> <p>c) Why bottoms of cooking utensils are painted in black?</p> <p>d) Why one prefers to wear white coloured clothes in summer & black/dark coloured clothes in winter?</p> <p>e) Why houses are painted in white from outside?</p> <p>ACTIVITY</p> <p>a) Make a clay model of Human Digestive System</p> <p>b) Explain modes of nutrition in chart paper with examples.</p>	01/07/22
Art	<p>Art work</p> <p>Village scene, Rainy season, Human figure.</p> <p>Craft work</p> <p>Newspaper cutting and pasting, wall hanging, spray painting.</p>	
संस्कृत	<p>1. 1-50 तक के संख्या को संस्कृत शब्दों में लिखकर एक चार्ट तैयार करें।</p> <p>2. 05 नैतिक श्लोकों को अर्थ सहित एक चार्ट बनाकर लिखें।</p> <p>3. क्त्वा, तुमुन् तथा ल्यप्, प्रत्यय का प्रयोग करते हुए गम्, पठ्, वद्, हर्स्, धावु, इत्यादि धातुओं का उपयोग करते हुए दस-दस शब्द बनाएँ।</p> <p>4. कारक के नाम चिन्ह तथा विभक्ति का एक चार्ट बनायें।</p> <p>5. 'उपपद विभक्ति' – द्वितीया से सप्तमी विभक्ति तक प्रयोग किये जाने वाले उपपद को लिखें।</p>	
COMPUTER	<p>What do you mean by Computer software? Draw and Explain different types of software. (A4 Size paper)</p>	

Std. VIII

S.No.	Subject	Questions	Submission Date
	English	<ol style="list-style-type: none"> 1. HOTS & value based questions of Three Questions, Granny’s Tree Climbing and The Fun They Had. 2. Make a chart of tenses with their structures and 5 examples for each. 3. Write 20 editorials date wise in Editorial copy. 4. Read & write a book review in 300 words of The Jungle Book by Rudyard Kipling. 5. Write 30 verbs, their and different forms(V1, V2, V3 v4 v5) 6. Read English NewsPaper daily 	
	Maths	<p>CHAPTER-1 Worksheet- 4 and Brain Teasers (All questions)</p> <p>CHAPTER-2 Worksheet- 2, Brain Teasers (All questions)</p> <p>CHAPTER- 3 Worksheet-2 , Brain Teasers(All questions)</p> <p>CHAPTER-4 Worksheet-3 (All questions) and 10 questions from R D Sharma from Direct and Inverse variation</p> <p>Project- Exploring triangular numbers using dot patterns.(In A4 size paper)</p>	1/6/2022
	S.st	<p>Geography</p> <ol style="list-style-type: none"> 1. Explain any five factors responsible for formation of soil. 2.Suggest any five methods for conservation of water. 3.Explain hydrological cycle with the help of diagram. <p>History</p> <ol style="list-style-type: none"> 1. What is digital library. 2. Explain any five major sources of information about modern Indian history.. 	

		<p>Civics</p> <ol style="list-style-type: none"> 1.What is privy purse? 2."India is a democratic state".Give reason. 3. Why is Indian federation called quite unique? Explain 	
	<p>Science</p>	<p style="text-align: center;">PHYSICS</p> <ol style="list-style-type: none"> 1.What type of force is friction – contact or non-contact? Why?Differentiate between contact & non-contact force. 2.Do you think sometimes the application of force does not result in a change in the state of motion? Describe with an example. 3.Why does a rubber sucker stick to the surface of any object? 4.Why is it more difficult to walk with Sharp Heels on sand than with flat slippers? 5.Find out the type of force acting on the below situations: <ol style="list-style-type: none"> a. A coin or a pen falls to the ground when it slips out of your hand. b. A boat comes to rest if we stop rowing it. c. When a person lifts a bucket of water. 6.Porters place a round piece of cloth on their heads when they have to carry heavy loads. Why? 7.Why do you think a ball rolling along the ground gradually slows down and comes to rest? 8.Demonstrate an experiment to show that liquids exert pressure on the walls of the container. 9.Discuss the pressure exerted by gases and liquids. 10.Why is the electrostatic force a type of non-contact force? 	<p>01/07/2022</p>

11. Why are the wheels of cars and scooters lighter than that of buses and trucks?
12. What is the effect of gravitational force on dust?
13. Does gravity exist between astronauts in space? Explain.
14. It is difficult to burst an inflated balloon with your finger but it becomes easier with the needle. Why?
15. How is atmospheric pressure measured?
16. Small pieces fall while sieving grains. What is the force pulling them down?
17. What are the effects of the application of force on an object? Explain.
18. Draw a concept map of force and pressure given in page no.75.

CHEMISTRY

1. To define : Minerals, ores metallurgy, malleability, ductility, tensile strength, noble metals , displacement reaction, reactivity series, alloys.
2. Write physical and chemical properties of metals and nonmetals
3. write any four displacement reactions
4. when we put Mg ribbon in copper sulphate solution what do we observe/ explain through activity with diagram.
5. Write alloys , composition and their uses.
6. Question D and E of end exercise questions

7. Write activity to show that oxygen is required for burning. Show through the diagram.

BIOLOGY

1.. Make a sketch of the human nerve cell. What function do nerve cells perform?

2. Write short notes on the following.

(a) Cytoplasm

(b) Nucleus of a cell

3. Make sketches of animal and plant cells. State three differences between them.

4. State the difference between eukaryotes and prokaryotes.

5. Where are chromosomes found in a cell? State their function.

6. Cells are the basic structural units of living organisms'. Explain.

7. Explain why chloroplasts are found only in plant cells.

8.. Give an example of a unicellular and a multicellular organism.

9. How was the cell discovered?

10. Define plant cell and animal cell?

11. How does a nerve cell function?

		<p>12. What are vacuoles?</p> <p>13. Draw a neat diagram of an amoeba.</p> <p>14. Explain the structure of a cell.</p> <p>HOTS</p> <p>1. A Single cell can perform all the functions why do we need many cells?</p> <p>2. In what way the number of cells is related to the size of the organisms?</p> <p>3. If nucleus is not there, what would happen to the cell?</p> <p>4. Do plant cells need cell wall? Justify your answer.</p> <p>5. Do Plant cells need a large sized vacuole? Justify your answer</p> <p>ART INTEGRATION ACTIVITY</p> <p>MAKE A PPT ON CELL AND ITS ORGANELLES</p>	
	Hindi	<p>1. हम पंछी उन्मुक्त गगन के पाठ के प्रश्न उत्तर लिखें।</p> <p>2. अर्थ के आधार पर वाक्य के कितने भेद हैं सभी के उदाहरण लिखें।</p> <p>3. रचना के आधार पर वाक्य के कितने भेद हैं?</p> <p>4. कोरोना वायरस से बचाव के लिए मित्र को पत्र लिखें।</p> <p>5. 'र', अनुस्वार, अनुनासिक, के पांच पांच उदाहरण लिखें।</p> <p>6. सभी विराम चिह्नों को लिखकर उनके नाम लिखें।</p>	
	संस्कृत	<p>1. 'सुवचनानि' पाठ के श्लोकों लिखकर उनके अन्वय लिखें।</p> <p>2. क्त्वा, तुमुन् तथा ल्यप्, प्रत्यय का प्रयोग करते हुए गम्, पठ्, वद, हस्, चल, खाद, इत्यादि धातुओं की सहायता से दस-दस शब्द बनाएँ।</p>	

		<p>3. 'सुवचनानि', 'वसुधैव कुटुम्बकम्' तथा 'अहम् नदी अस्मि' पाठ के प्रश्न वाक्य हल कर लिखें।</p> <p>4. 'उपपद विभक्ति' – द्वितीया से सप्तमी विभक्ति तक प्रयोग किये जाने वाले उपपद को लिखें तथा प्रत्येक उपपद से एक-एक वाक्य बनाएँ।</p> <p>5. परियोजना कार्य - भारत की 20 प्रमुख नदियों के नाम लिखकर उनके राज्यों के नाम, उनके तटों पर बसे हुए प्रमुख शहरों के नाम तथा उन नदियों की विशेषताओं को चित्र सहित लिखें।</p>	
	COMPUTER	<p>1. What is a computer Network? Explain different types of networks.</p> <p>2. Draw and Explain different types of wired and wireless media. (In A4 page)</p>	
	Art.	<p>Art work- Abstract art, human figure, boat scene.</p> <p>Craft work- spray painting, wall hanging with newspaper, sand work</p>	

Std. IX

S.No.	Subject	Questions	Submission Date
	English	<p>1. Write 20 editorials date wise in editorial copy.</p> <p>2. Write 50 verbs, their meaning and different forms (V1, V2, V3, V4, V5)</p> <p>3. Read the novel 'The Life of Pi' - by Yann Martel and write a book review in 1000 words.</p> <p>4. Read the chapter The Fun They Had, the Sound of Music, The Lost Child. Write 20 important points of each chapter.</p> <p>5. Read English Newspaper daily.</p>	
	HINDI	<p>Hindi Holiday Homework Class - IX-</p> <p>1. अनुच्छेद लिखें जीवन में खेलकूद का महत्त्व में वृक्षारोपण प्रिय कवि .</p> <p>2. पाँच दिन का हिन्दी सम्पादकीय लिखें।</p> <p>3. कफ़न / गोदान पुस्तक की समीक्षा करें।</p> <p>Symposium - अलंकार </p> <p>कबीर के दोहे पर P. P. T तैयार करें।</p>	01/07/2022
	Maths	<p>Holiday Homework (MATHS) :-</p> <p>1. Maths Lab Activity: -</p> <p>To make square root spiral by representing irrational no's like $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ etc</p>	

- using coloured thread glaze paper.
- (ii) verify geometrically
- $(a+b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$
- 2. If $x^2 + 1/x^2 = 16$ then find $x^3 + 1/x^3$
- 3. If $a+b+c = 20$, $ab + bc + ca = 10$ then find $a^2 + b^2 + c^2$.
- 4. If $2a+3b=4$ and $ab = 6$ then find $8a^3+27b^3$
- 5. If $3a-5b = 10$ & $ab = -10$ then find $27a^3-125b^3$.
- 6. If $a+b = -6$ then find prove that $a^3+b^3+216 = 18ab$
- 7. Simplify : $-(x^2 - y^2)^3 + (y^2 - z^2)^3 + (z^2 - x^2)^3 / (x-y)^3 + (y-z)^3 + (z-x)^3$
- 8. If $8a + b = -4c$ then find the Value of $\frac{5}{2}a^3 + b^3 + 64c^3$
- 9. Simplify : $(\frac{1}{2}x - \frac{3}{2}y)^3 - (\frac{1}{2}x + \frac{3}{2}y)^3$ factorise:-
- (i) $64a^3 - 8b^3 - c^3 - 24abc$
- (ii) $27p^3 + q^3 - 8r^3 + 18pqr$
- (iii) $1 + x^3 - y^3 + 3xy$
- (iv) $1 - 3x^2 + 3x - x^3$
- (v) $216m^3 - 27m^3$
- (vi) $x^3 + y^3/343$
- (vii) $(a+b)^3 - (a-b)^3$
- (viii) $25x^2 + 2y^2 + 16z^2 + 10\sqrt{2}xy - 8\sqrt{2}yz$
- (ix) $(x+y)^3 - x - y$
- (x) $(x-y)^3 + (y-z)^3 + (z-x)^3$
- (xi) $(2x-3y)^3 + [3y-5z]^3 + (5z-2x)^3$
- (xii) $(x^2-y^2)^3 + (y^2-z^2)^3 + (z^2-x^2)^3$

S.st		<p>ECONOMICS:</p> <ol style="list-style-type: none"> 1. What are the facilities and infrastructure need to be built up for the development of villages in India ? Explain 2. Land is a fixed factors of production and can not be created by men. Explain, how land should be used to increase production and to maintain its sustainability ? 3. What is capital and what are the major sources of capital for small and large farmers ? 4. What are the main strategies of modern farming? What are its merits and demerits ? 5. What are the important non-farm activities in villages ? Explain any two types of non-farm activities as important sources of income and employment. <p>GEOGRAPHY:</p> <ol style="list-style-type: none"> 1. What are tectonic plates. 2. Difference between convergent and divergent plate 3. Why does India have diversity in its relief. State any two reason for its relief features of India. 4. What are Purvanchal hills. Mention Two features of it. <p>HISTORY</p> <ol style="list-style-type: none"> 1. Describe French society in 18th century 2. Why was treasury empty when Louis 16 ascended the throne of France. 3. Mention immediate causes of French revolution. Which class of which french society was responsible for this. <p>CIVICS:</p> <ol style="list-style-type: none"> 1. Write any five features of democracy. 2. What was the legal framework order. 3. What do you mean by political equality. 	02.07.2022
Science		<p>PHYSICS</p> <ol style="list-style-type: none"> 1.NCERT Intext Qns of chapter 8- Motion 2.NCERT Examples of chapter 8- Motion 3.NCERT Exercise Qns of chapter 8- Motion 4.A project on topic-types of motion 5.Derivation of all three equations of motion using graphical method 	01/07/22(Bio)

CHEMISTRY

1. To write the question - answers of intext and end exercise of NCERT chapter - 1 and chapter - 2
2. To write experiment - 1(in practical copy)

BIOLOGY

- Q1.** Explain the types of Plastids in brief.
- Q2.** Explain the functions and structure of Golgi bodies.
- Q3.** What is nucleoid?
- Q4.** What is the difference between plant cells and animal cells?
- Q6.** What are suicidal bags (lysosomes)?
- Q7.** What is the function of chromosomes?
- Q8.** Differentiate between isotonic, hypotonic and hypertonic solution?
- Q9.** Which is the largest cell in human body? Name the smallest cell in human body?
- Q10.** Why Plant cells are more rigid than animal cells?
- Q11.** Explain the process of osmosis in detail.
- Q12.** Draw and label diagrams of plant cell and animal cell.
- Q13.** What would happen if an animal cell is kept in distilled water for 24 hours? ...
- Q14.** How is mitochondrial and chloroplast similar to each other? ...
- Q15.** What will happen if a plant cell is placed in a hypotonic solution? ...
- Q16.** What will happen if a fully turgid plant cell is placed in a hypertonic solution?
- Q17.** What will happen if chloroplast is taken out of the cell and illuminated ?

ART INTEGRATION ACTIVITY

		Make ppt as well as file on natural resources of Goa.	
	Art	Art work Warli Painting, folk art, landscape. Craft works. Wall hanging with newspaper, sand work, grains work.	
	Computer	Write 10 Indian Famous Entrepreneurs with details including photographs in IT copy.	

Std. X

S.No.	Subject	Questions	Submission Date
	English	<p>1. Write one inquiry letter with a proper format.</p> <p>2. Explain the following literacy devices with examples (IN 50 WORDS EACH)</p> <ol style="list-style-type: none"> a) Simile b) Metaphor c) Personification d) Alliteration e) Onomatopoeia <p>3. Write an article on the FOLLOWING TOPICS (IN 250 words).</p> <ol style="list-style-type: none"> a) modern gadgets and their service to mankind 250 words. b) Importance of value based education in schools". <p>4. Write a book review of <u>Animal Farm</u> written by George Orwell in 1000 words.</p>	

		<p>5. Read Newspapers daily and write 20 editorials date wise in your editorial copy.</p> <p>6. Write the synopsis of all taught chapters.</p>	
	HINDI	<p>Hindi Holiday Homework class - X</p> <p>1. पाँच दिन का हिन्दी सम्पादकीय लिखें ।</p> <p>2. परशुराम संवाद / वाक्य (1 to 16) PPT तैयार करें।</p> <p>3. सेवासदन / कर्मभूमि (किसी एक पर पुस्तक समीक्षा करें ।)</p> <p>4. सुरदास , / नेताजी का चश्मा परियोजना कार्य तैयार करें ।</p>	01/07/2022
	Maths	<p style="text-align: center;"><u>MATHS SAMPLE PAPER</u></p> <p style="text-align: center;"><u>CLASS - X</u></p> <p style="text-align: center;">SECTION-A</p> <p>Choose the correct answer:</p> <p>1. is -</p> <p>a) an integer b) a rational number c) an irrational number d) none</p> <p>2. A number when divided by 143 leaves 31 as remainder. what will be the remainder when the same number is divided by 13?</p> <p>a) 0 b) 1 c) 3</p> <p>d) 5</p>	

3.If α , β be the zeroes of polynomial $2x^2+5x+k$ such that $\alpha^2+\beta^2+\alpha\beta=21/4$ then $k=?$

- a) 3 b)-3 c)2
d)-2

4.If α , β , γ are the zeroes of the polynomial x^3-6x^2-x+30 then $(\alpha\beta+\beta\gamma+\gamma\alpha)= ?$

- a) -1 b) 1 c) -5
d)30

5.The pair of equations $2x+y=5, 3x+2y=8$ has

- a)a unique solution b)two solution
c)no solution d)infinitely many solution

SECTION-b

6.For what values of k is the system of equations $kx+3y=k-2$, $12x+ky=k$ inconsistent?

7.Using Euclid's division lemma, find the HCF of

- i)405and 2520 ii)960and 1575

8.write the zeroes of the quadratic polynomial $f(x) = 6x^2-3$

9.For what value of k does the system of equations have (i)a unique solution (ii)no solution

$$Kx+2y=5,$$

$$3x-4y=10$$

10. Find the value of x and y – $px + qy = p-q$, $qx - py = p+q$

SECTION-c

11. An army contingent of 612 members is to march behind an army band of 48 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of columns in which they can march?

12. Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10, 12 minutes respectively. In 30 hours, how many times do they toll together?

13. solve for x and y - $35/x+y + 14/x-y = 19$, $14/x+y + 35/x-y = 37$

14. Find the two number such that the sum of twice the first and thrice the second is 92, and four times the first exceeds seven times the second by 2.

15. In a ΔABC , $\angle C = 3\angle B = 2(\angle A + \angle B)$. Find its angles.

SECTION-D

16. show that 2^3 is irrational.

17. Solve the system of equation graphically

		<p>i) $x - y + 1 = 0$, $3x + 2y - 12 = 0$ ii) $2x - 3y + 13 = 0$, $3x - 2y + 12 = 0$</p> <p>18.Solve for x and y by all the three methods- $0.3x + 0.5y = 0.5$, $0.5x + 0.7y = 0.74$</p> <p>19. A man travels 370 km, partly by train and partly by car. If he covers 250 km by train and the rest by car, it takes him 4 hours. But, if he travels 130 km by train and the rest by car, he takes 18 minutes longer. Find the speed of the train and that of the car.</p> <p>20.A boat goes 16 km upstream and 24 km downstream in 6 hours Also, it covers 12 km upstream and 36 km downstream in the same time. Find the speed of the boat in still water and that of the stream.</p> <p>II. MATHS LAB ACTIVITY-</p> <ol style="list-style-type: none"> To find the zeroes of a quadratic polynomial. Consistency/inconsistency of system of equations- Graphical method. 	
	S.St	Economics:	02.07.2022

		<p>1. Define Development and explain the three major types of goals of development . Explain with examples.</p> <p>2. Take the examples of three persons in living different situation and write their main goals of development in life.</p> <p>3. Why is comparison of development by UNDP is important than by World Bank? Explain with examples.</p> <p>4. What is meant by public facilities and why are public facilities important ? Justify with examples.</p> <p>5. Define sustainable development and explain the importance of sustainability of development with examples.</p> <p>Pol. Science:</p> <p>1. Define the following important terms: Ethnic, Majoritarianism, Federalism, Prudential, Civil War</p> <p>2. What was the Ethnic Composition of Belgium that led to tension between the Dutch and French people?</p> <p>3. Why did the rule of Majoritarianism created disputes among the different Ethnic communities in Srilanka ?</p> <p>4. How did the leaders of Belgium become success to establish the accommodation of power? Explain.</p> <p>5. Why is power sharing desirable ? Give reasons</p> <p>6. What are the important forms of power-sharing? Explain in brief.</p> <p>Geography:</p> <ol style="list-style-type: none"> 1. What is agenda 21. 2. What is Rain water harvesting. Discuss steps of rooftop rain water harvesting in Rajasthan. 3. What is the need of water conservation and management in India. 4. Locate on the physical map of India , all the multipurpose river valley projet. <p>History</p> <ol style="list-style-type: none"> 1. What are the causes of world war I. 2. Describe the role of Middle class in French Revolution. 3. Explain any three major hardship faced by small producers and peasants in Europe during 1830s. 	
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		4. How did the Balkan reason become a source of nationalist tension in Europe after 1871? Explain 4 points	
Science		<p>PHYSICS</p> <p>Q1. Define resistance, resistivity and Ohm's law.</p> <p>Q2. What are the advantages of connecting electrical appliances in parallel instead of series in a circuit?</p> <p>Q3 Why is tungsten used for filament of electric lamps?</p> <p>Q4 Why are alloys used in heating devices rather than pure metal?</p> <p>Q4. A resistance wire of $4\ \Omega$ resistance is doubled on itself .calculate the new resistance of the wire.</p> <p>Q5. Write Joule's law of heating.</p> <p>Q6. List the factors on which resistance and resistivity of a conductor depend on.</p> <p>Q7. Define the followings.</p> <p style="padding-left: 40px;">a] Electric circuits</p> <p style="padding-left: 40px;">b] Electric current</p> <p style="padding-left: 40px;">c] Potential difference</p> <p style="padding-left: 40px;">d] 1 Ohm</p> <p style="padding-left: 40px;">e] 1 volt</p> <p style="padding-left: 40px;">f] 1 ampere</p> <p>Q8. Find expression for equivalent resistance of resistances connected in parallel</p> <p>Q9. A copper wire is double on it. What change in resistance of wire you expect.?</p> <p>Q10. A copper wire stretched to double of its length, what will be change in resistivity and resistance?</p> <p>ART INTEGRATION ACTIVITY</p> <p>Make ppt as well as file on natural resources of Goa.</p> <p>CHEMISTRY</p>	

		<ol style="list-style-type: none"> 1. To write the question - answers of intext and exercise questions of NCERT chapter - 1 and chapter - 2 2. To write experiment -1(A,B,C,D) in practical copy 3. HOTS <ol style="list-style-type: none"> 1. A silver wire is dipped in a solution of CuSO_4 in one vessel while in another vessel, a copper wire is dipped in a solution of AgNO_3. What reaction of any take place in the two vessels ? 2. A metal nitrate A on heating gives a yellow residue along with the evolution of a brown gas B and a colourless gas C . Aqueous solution of A on reaction with potassium iodide forms a yellow ppt. of compound D. Identify A,B,C and D. <p>BIOLOGY</p> <p>1 NCERT Exercise questions chapter- Life Process</p> <p>2 Ten HOTS questions from any Sample paper</p> <p>3 Project Work- Any three common diseases related to Digestion, Breathing, Heart or Kidney</p>	
	Art	<p>Art</p> <p>Festival scene, travel art, aquarium fish composition</p> <p>Carft work</p> <p>Basket with colourful paper, colourful rose with paper, pot decoration.</p>	
	IT	Write 10 Indian Famous Entrepreneurs with details including photographs in IT copy.	

Std. XIIA

S.No.	Subject	Questions	Submission Date
	PHYSICS	Q1 Complete your project for —Science Exhibition.	

		<p>Q2 Make PPTs on Electrostatics.</p> <p>Q3 Make a notes on Ray Optics</p> <p>Q4 Collect the information regarding the satellites launched by ISRO recently. Make separate file for this assignment atleast of 10 pages and paste newspaper cuttings also.</p> <p>Q5 Explain the followings A] Properties of charges. B] Electric field lines and their properties C] Gauss's law and its applications.</p> <p>Q6 ART INTEGRATION ACTIVITY Make ppt as well as file on natural resources of Goa.</p> <p>Q7 Prepare an Investigatory Project and a Project Report File .</p> <p><u>General Guidelines:</u></p> <p>The project chosen should be from any of the topics from XII class curriculum. Some of them are listed below:</p> <p>(i) Electromagnetic Induction (ii) Diffraction of light (iii) Light Dependent Resistor (iv) Electroscopes (v) Eddy currents (vi) Transformer (vii) Logic gates (viii) Rectifier (ix) Photo diode</p> <p>You can also choose any one from the suggested investigatory projects recommended by the CBSE. Report of your project should be hand written and should be according to the format mentioned below.</p> <p>Name/ Title of the project</p>	
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		<p>List of components used along with their specifications</p> <p>Theory/ principle behind the working of project</p> <p>Related diagrams</p> <p>Working in detail /procedure</p> <p>Further modifications (if any) can be done</p> <p>Bibliography.</p>	
	CHEMISTRY	<p>Solution -NCERT INTEXT-QN-2.2 to 2.12</p> <p>.NCERT end ex-QN 2.5 to 2.33,2.39 to2.41</p> <p>Electrochemistry -NCERT INTEXT QN 3.4 to 3.10 NCERT EX -QN-3.4 to 3.10,3.11 to3.16</p> <p>Chemical Kinetics -NCERT INTEXT 4.2 to 4.8</p> <p>NCERT END EX QN-4.2 to 4.30</p>	
	BIOLOGY	<p>NCERT Exercise questions and 15 questions from any Reference Book</p> <p>Chapter- 3&4 (all questions)</p> <p>Questions from any two previous years of Board Exam question paper</p> <p>Chapter- 3&5</p>	
	MATHEMATICS	<p>Q1 Let n be a fixed positive integer. Define a relation R on Z as follows $(a, b) \in R \hat{=} a-b$ is divisible by n. Show that R is an equivalence relation on z.</p> <p>Q2. Let z be the set of integers show that the relation $R = \{(a, b) : a, b \in z \text{ and } a + b \text{ is even}\}$ is an equivalence relation on z.</p> <p>Q3. Let S be a relation on the set R of real numbers defined by $S = \{(a, b) \in R : a^2 + b^2 = 1\}$ prove that S is not an equivalence relation R.</p> <p>Q4. Show that the relation R on the set R of real numbers defined as $R = \{(a, b) : a < b^2\}$ is neither reflexive nor symmetric nor transitive.</p>	02/07/2022

		<p>Q5. Show that the relation R on \mathbb{R} defined as $R = \{(a, b) : a \leq b\}$ is reflexive and transitive but not symmetric.</p> <p>Q6. Show that $f : \mathbb{R} \rightarrow \mathbb{R}$, defined as $f(x) = x^3$, is a bijection.</p> <p>Q7. Show that the function $f : \mathbb{R} \rightarrow \mathbb{R}$ given by $f(x) = [x]$, where $[\]$ denotes Greatest Integer Function is neither one-one nor onto.</p> <p>Q8. Show that the function $f : \mathbb{R} \rightarrow \mathbb{R}$ given by $f(x) = x^3 + x$ is a bijection.</p> <p>Q9. Using matrices solve the following system of equations</p> $\begin{aligned} x + 2y - 3z &= -4 \\ 2x + 3y + 2z &= 2 \\ 3x - 3y - 4z &= 11 \end{aligned}$ <p>Q10. Differentiate $e^{x \sin x}$ w.r.t. x.</p> <p>Q12. Find the principal value of $\cos^{-1}(\cos \theta)$.</p> <p>Q13. Prove that Greatest integer function is discontinuous at all integral points.</p> <p>Q14. Consider $f : \mathbb{R}_+ \rightarrow [-5, \infty)$ given by $f(x) = 9x^2 + 6x - 5$. Show that f is a Bijection.</p> <p>Q15. If A is a square matrix such that $A^2 = I$, then find the value of $(A - I)^3 + (A + I)^3 - 7A$.</p>	
	<p>Computer Science</p>	<ol style="list-style-type: none"> Write a Python program to multiply all the items in a list. Write a Python program to get the smallest number from a list. Write a Python program to append a list to the second list. 	

		<p>4. Write a Python program to generate and print a list of first and last 5 elements where the values are square of numbers between 1 and 30 (both included).</p> <p>5. Write a Python program to get unique values from a list. 17. Write a Python program to convert a string to a list.</p> <p>6. Write a Python script to concatenate the following dictionaries to create a new one: d1={'A':1,'B':2,'C':3} d2={'D':4} Output should be: ={'A':1,'B':2,'C':3,'D':4}</p> <p>7. Write a Python script to check if a given key already exists in a dictionary.</p> <p>8. Write a Python script to print a dictionary where the keys are numbers between 1 and 15 (both included) and the values are square of keys. Sample Dictionary {1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225}</p> <p>9. Write a Python script to merge two Python dictionaries. Write a Python program to sort a dictionary by key.</p> <p>10. Write a Python program to combine two dictionary adding values for common keys. d1 = {'a':100,'b': 200, 'c':300} d2 = {'a':300, 'b':200, 'd':400} Sample output: {'a':400,'b':400,'d':400,'c': 300} 23. Write a Python program to find the highest 3 values in a dictionary.</p> <p>11. Write a Python program to sort a list alphabetically in a dictionary.</p> <p>12. Write a Python program to count number of items in a dictionary value that is a list.</p> <p>13. Prepare a self Made video of 5 Min. to illustrate any topic of your choice. Use your voice and cinematography of your own.</p> <p>14. Use Art Integration on any topic of CSC of your choice and prepare a document based on it. (Same as you did in Std XI - Golden Ratio).</p>	
	English	1.Read English newspaper daily.	

		<ol style="list-style-type: none"> 2. Write 20 editorials date wise in editorial copy. 3. Read the novel 'Lord of Flies ' by William Golding. 4. Write the book review of Lord of Flies in 1000 words. 5. Make note of the first five chapters of Flamingo. <ol style="list-style-type: none"> 1. Write fifteen Figure of Speeches and explain them with examples. 2. Write 50 idioms and phrases and use them in sentences.. 	
	Economics	<ol style="list-style-type: none"> 1. Write difference between Macroeconomics and Microeconomics. Give examples 2. Explain the circular flow of income in two sector economy with the help a diagram. 3. Distinguish between Intermediate goods and Final goods 4. All Capital goods are producers goods but all producers goods are not capital goods ! Give reasons and explain. 5. How are Money flows opposite to Real flows ? Explain with examples. 6. Define following terms related to Domestic Income and National Income: GDP at MP, GNP at MP, NDP at MP, NNP at MP NDP at FC, NNP at FC, 7. What are various precautions in estimating National Income by Value Added Method ? 8. Write the various components of National Income by Income Method ? 9. What is National Income by Expenditure Method and what are its different components ? 10. Distinguish between National Income at Current Price and National Income at Constant Price ? 11. What is the relationship between GDP and welfare ? Is there any Limitations ? Explain 12. What is Money Supply and what are the important majors of Money Supply ? Explain 	02.07.2022

		<p>14. Explain the process of credit creation by Commercial Banks? Explain with examples.</p> <p>15. What are the important functions of Central Bank ? Explain</p> <p>16. Numerical from questions from Exercise 71 - 80 (Ref. Book Sandeep Garg)</p>	
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Std. XIIB

S.No.	Subject	Questions	Submission Date
1	ACCOUNTANCY	<p>CHAPTER-Accounting for Partnership (Fundamental)</p> <p>NCERT BOOK : Q No -1 To 20</p> <p>Chapter - Change in profit sharing ratio among Existing Partners: Q No.-1 to 25(NCERT BOOK)</p> <p>Chapter: Admission of New Partner: Q No.-1 to 22(NCERT BOOK)</p> <p>SYMPOSIUM TOPIC: Accounting Treatment of Goodwill in Partnership Firm</p>	
2	BUSINESS STUDIES	<p>Chapter: 1 , Case Study Questions : Q No- 1 to 18(Alka Dhawan Book)</p> <p>Chapter- 2: Case Study Questions : Q No- 1 to 15(Alka Dhawan Book)</p> <p>Chapter-3: Case Study Questions : Q No- 1 to 20(Alka Dhawan Book)</p> <p>Chapter:4 Case Study Questions : Q No- 1 to 14(Alka Dhawan Book)</p> <p>SYMPOSIUM TOPIC: H. FAYOLS PRINCIPLES OF MANAGEMENT <u>VS</u> F.W TAYLORS PRINCIPLES OF MANAGEMENT.</p>	
	IP	<ol style="list-style-type: none"> 1. Differentiate between DataFrame and Series with Example. 2. Write a program to create series with List. 3. Write a program to create a series with Dictionary. 	

		<ol style="list-style-type: none"> 4. Explain head() and tail() function with suitable examples. 5. Explain binary operations of dataframe with example. 6. Explain iterrows() and iteritems() methods with suitable examples. 7. Create a dataframe and sort in ascending order. 8. How can you add new column in data frame? explain with example. 9. How can you drop a column in dataframe? Give example. 10. Explain shape and size attributes with examples. 11. Explain ndim attribute of dataframe with example. 12. Explain fillna() function with example. 13. Solve all questions of Chapter 1. 	
	English	<ol style="list-style-type: none"> 1. Read English newspaper daily. 2. Write 20 editorials date wise in editorial copy. 3. Read the novel 'Lord of Flies' by William Golding. 4. Write the book review of Lord of Flies in 1000 words. 5. Make note of the first five chapters of Flamingo. <ol style="list-style-type: none"> 1. Write fifteen Figure of Speeches and explain them with examples. 2. Write 50 idioms and phrases and use them in sentences.. 	
	Economics	<ol style="list-style-type: none"> 1. Write difference between Macroeconomics and Microeconomics. Give examples 2. Explain the circular flow of income in two sector economy with the help a diagram. 3. Distinguish between Intermediate goods and Final goods 4. All Capital goods are producers goods but all producers goods are not capital goods ! Give reasons and explain. 5. How are Money flows opposite to Real flows ? Explain with examples. 6. Define following terms related to Domestic Income and National Income: GDP at MP, GNP at MP, NDP at MP, NNP at MP NDP at FC, NNP at FC, 	02.07.2022

		<p>7. What are various precautions in estimating National Income by Value Added Method ?</p> <p>8. Write the various components of National Income by Income Method ?</p> <p>9. What is National Income by Expenditure Method and what are its different components ?</p> <p>10. Distinguish between National Income at Current Price and National Income at Constant Price ?</p> <p>11. What is the relationship between GDP and welfare ? Is there any Limitations ? Explain</p> <p>12. What is Money Supply and what are the important majors of Money Supply ? Explain</p> <p>14. Explain the process of credit creation by Commercial Banks? Explain with examples.</p> <p>15. What are the important functions of Central Bank ? Explain</p> <p>16. Numerical from questions from Exercise 71 - 80 (Ref. Book Sandeep Garg)</p>	
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