HOLIDAY HOME WORK ENGLISH CORE CLASS XII

READING AND WRITING

- Practice Comprehension Passage and Note making passages (any five) from your Goyal's Assignments.
- 2. Write Notices on the following occasions (three of each category)
 - a. Tours
 - b. Sports
 - c. Cultural / Extra- curricular activities
 - d. Lost & Found
 - e. Appeals
- 3. Draft advertisements on the following topics (three of each category)
 - a. Situation Vacant
 - b. Situation Wanted
 - c. Sale and Purchase
 - d. Lost & Found
 - e. Matrimonial
- 4. Draft posters to create awareness on the following topics:
 - a. Measures and prevention of Covid 19
 - b. Prevention of Drug Abuse
 - c. Violence Against Women
 - d. Fire Safety and prevention
- 5. Write Formal letters on the following topics (three of each category)
 - a. Complaint
 - b. Editor
 - c. Placing order
 - d. Enquiry
 - e. Job Application
- 6. Write articles on the following topics (Word-limit 150-200)
 - a. My vision of future India
 - b. Digital education in India
 - c. Women safety in India
 - d. 50- years of Earth Day

LITERATURE

Go through the links given for each lesson before attempting the assignments.

FLAMINGO

L-4 The Rattrap by Selma Lagerlof

https://youtu.be/QFObwSI2hvw

Short questions (Think as you read)

- Questions 1, 3, 4, 5 &6 (page no. 34)
- Questions 1 to 5 (page no. 41)
- Questions 1 & 2 (page no. 42)

Long answer type questions (understanding the text)

Questions 3 and 5 (page no. 43)

Talking about the text

· Question 2

Poem 4- A Thing of Beauty by John Keats.

https://youtu.be/iPz7KyQlauU

Short questions. Page no.99

Think it out

Question No. 1, 2,3,4,5 and 7.

R.T.C. (Refer Goyal's)

- 1. "Therefore, on every...... gloomy days"
 - Questions 1,2 & 3
- 2. "All lovely tales..... heaven's brink.
 - Questions 1, 2, 3 and 4
- 3. A thing of beauty..... quiet breathing"
 - Questions 1, 2 and 3

VISTAS

Lesson 4. The Enemy by Pearl S. Buck

https://youtu.be/Cy1ti9cYoZw

Reading with insight

Questions 1 to 6 (100 to 120 words)

Short answer type questions:

- 1. Who was Dr. Sadao? Where was his house?
- 2. Where did Sadao meet Hana? How they married?
- 3. Why did the servants leave Dr. Sadao's house?

4. What did Sadao do to get rid of the enemy?
All the work assigned till date should be neatly written in your C.W. notebook and submitted for checking after the holidays.
All the Best!!!

HOLIDAY HOMEWORK

CLASS XII

PHYSICS

- Write about five Physicists 3 pages each in scrap book.
- Learn chapter 1,2,3 and 4 notes (Already given to you).
- Do 20 numericals (Previous board exam numericals) from each chapter in separate copy.(From any help book such as S.L.Arora or any else or Together with).

HOLIDAY HOMEWORK

CLASS - XII

CHEMISTRY

- 1. Write notes, all the solved examples and NCERT exercise question answers of Chapters- Solutions, Haloalkane and Haloarene and Alcohols, Phenols and Ethers in your note book properly.
- Learn the above mentioned chapters.
- 3. Learn the s-,p-, and d- block elements of Modern Periodic table.
- Practical file work is attached in this PDF. Write the given activities in Chemistry lab manual.
- 5. Project work details will be provided to you through whatsapp.

Note:- Update your note book by completing all the work assigned till date.

Aim-To analyse the given salt qualitatively and systematically. Physical characteristics 1) Colour-White 2) Odour -Ammonical odour 3) State- Amorphous 4) Solubility- Soluble in cold distilled water Preliminary dry heating test Experiment Observation Inference Salt is taken in a dry test tube and White fumes evolve, white May be NH4 heated. sublimate on the cooler walls of the test tube. Analysis of Acidic radical 1) Salt is taken in perfectly dry test Brisk effervescence obtained, when May be CO32tube and dilute H₂SO₄ is added to it. pass through lime water, it turn milky but not turn potassium dichromate green. Confirmatory test White precipitate. CO₃² confirmed. Salt is taken in a test tube and MgSO4 is added to it. Analysis of Basic radical 1) Salt solution is taken in attest White fumes with ammonical odour May be NH4+ tube and NaOH is added to it. comes out which turns dense on Warm the test tube. bringing a glass rod dipped in dilute

Reddish brown precipitate obtained.

HCl solution.

Result-Salt is Ammonium carbonate

2) To the salt solution, Nessler's

Acidic radical- CO32-

reagent is added.

Basic radical- NH4

NH₄⁺ confirmed.

Aim-To analyse the given salt qualitatively and systematically.

Physical characteristics

- 1) Colour-White
- 2) Odour Vinegar like odour
- 3) State- Crystalline
- 4) Solubility- Soluble in cold distilled water

Preliminary dry heating test

Experiment	Observation	Inference
Salt is taken in a dry test tube and	White fumes evolve with vinegar	May be CH₃COO ⁻
heated.	like smell.	

Analysis of Acidic radical

1) Salt is taken in perfectly dry test tube and dilute H ₂ SO ₄ is added to it.	No reaction.	CO ₃ ²⁻ , S ²⁻ , SO ₃ ²⁻ , NO ₂ ⁻ absent
2) Salt is taken in a dry test tube and conc. H ₂ SO ₄ is added to it and heated.	White fumes evolved with vinegar like smell.	May be CH₃COO¯
Confirmatory test		
Salt is taken in a watch glass and mixed with solid oxalic acid and paste is prepared.	Vinegar like smell	CH₃COO confirmed.
2) Salt solution is taken and FeCl ₃ solution is added to it. Divide filtrate into two parts:	Red coloured filtrate obtained.	
a) To the first part, HCl is added followed by water.	Red colour disappears.	CH₃COO confirmed.
b) To the second part distilled water is added and boiled.	Reddish brown precipitate obtained.	CH₃COO confirmed.

 To the salt solution, Nessler's reagent is added. 	No Reddish brown precipitate obtained.	NH ₄ ⁺ absent.
To the salt solution, dilute HCl is added.	White precipitate obtained. Dissolve the precipitate in hot water and divide into 2 parts.	Pb ²⁺ confirmed.
b) To the first part potassium chromate solution is added.	Yellow precipitate obtained which dissolves in NaOH solution.	Pb ²⁺ confirmed.
c) To the second part, Potassium iodide solution is added.	Yellow precipitate obtained.	Pb²+ confirmed.

Result- Salt is lead acetate

Acidic radical- CH₃COO

Basic radical- Pb2+

Aim-To analyse the given salt qualitatively and systematically.

Physical characteristics

1) Colour-White

2) Odour - Odourless

3) State- Amorphous

4) Solubility- Soluble in cold distilled water

Preliminary dry heating test

Experiment	Observation	Inference
Salt is taken in a dry test tube and heated.	White fumes evolve with water droplets on inner cooler walls of the test tube.	May be Cl [*]

Analysis of Acidic radical

I) Salt is taken in perfectly dry test tube and dilute H₂SO₄ is added to it.	No reaction.	CO ₃ ²⁻ , S ²⁻ , SO ₃ ²⁻ , NO ₂ absent
2) Salt is taken in a dry test tube and conc. H ₂ SO ₄ is added to it and neated.	White fumes evolved which become dense on bringing a glass rod dipped in NH ₄ OH solution.	May be Cl
Confirmatory test	Red fumes of chromyl chloride	
3) Take salt in a test tube and solid	come out. On passing through	Cl' confirmed
$K_2Cr_2O_7$ is added followed by conc. H_2SO_4 and the mixture is heated.	come out. On passing through NaOH solution, it turns yellow.	Cl ⁻ confirmed.
$K_2Cr_2O_7$ is added followed by conc. H_2SO_4 and the mixture is heated. To the yellow solution, acetic acid along with lead acetate solution is		Cl ⁻ confirmed.
$K_2Cr_2O_7$ is added followed by conc. H_2SO_4 and the mixture is heated. To the yellow solution, acetic acid	NaOH solution, it turns yellow.	Cl' confirmed.

Analysis of Basic radical

 To the salt solution, Nessler's reagent is added. 	No Reddish brown precipitate obtained.	NH4 ⁺ absent.
To the salt solution, dilute HCl is added.	No white precipitate obtained.	Group 1 absent
 Pass H₂S gas through the above solution. 	No precipitate obtained.	Group 2 absent.
4) Add conc. HNO ₃ and boil to expel out H ₂ S gas. Then solid ammonium chloride is added followed by NH ₄ OH in excess.	Gelatinous white precipitate obtained.	Group 3 present. May be Al ³⁺
5) Lake test Dissolve white precipitate in dilute HCl. To it one drop blue litmus solution is added. Then NH ₄ OH is added dropwise till blue colour disappears.	Blue precipitate floating in colourless solution obtained which gives appearance of a blue lake.	Al ^{3*} confirmed.

Result- Salt is Aluminium chloride

Acidic radical- Cl

Basic radical- Al3+

Aim-To analyse the given salt qualitatively and systematically.

Physical characteristics

1) Colour-White

2) Odour - Odourless

3) State- Amorphous

4) Solubility- Soluble in cold distilled water

Preliminary dry heating test

Experiment	Observation	Inference
Salt is taken in a dry test tube and heated.	White fumes evolve with water droplets on inner cooler walls of the test tube.	May be Zn ²⁺

Analysis of Acidic radical

1) Salt is taken in perfectly dry test tube and dilute H ₂ SO ₄ is added to it.	No reaction.	CO ₃ ²⁻ , S ²⁻ , SO ₃ ²⁻ , NO ₂ ⁻ absent
2) Salt is taken in a dry test tube and conc. H ₂ SO ₄ is added to it and heated.	No change.	Cl ⁻ , Br ⁻ , l ⁻ , NO ₃ ⁻ , CH ₃ COO absent
Confirmatory test for SO ₄ ²⁻ 3) To the salt solution add dilute HCl followed by few drops of BaCl ₂	White precipitate obtained which are insoluble in conc HCl	SO ₄ ²⁻ confirmed.
solution. 4) To the salt solution add few drops of acetic acid and then lead acetate is added.	White precipitate obtained which are insoluble in hot ammonium acetate solution.	SO ₄ ²⁻ confirmed.

Analysis of Basic radical

1) To the salt solution, Nessler's reagent is added.	No Reddish brown precipitate obtained.	NH₄ ⁺ absent.
To the salt solution, dilute HCl is added.	No white precipitate obtained.	Group 1 absent
3) Pass H₂S gas through the above solution.	No precipitate obtained.	Group 2 absent.
4) Add conc. HNO ₃ and boil to expel out H ₂ S gas. Then solid ammonium chloride is added followed by NH ₄ OH in excess.	No precipitate obtained.	Group 3 absent.
5) Through the above solution H₂S gas is passed.	Dirty white precipitate obtained.	Group 4 present. May be Zn ²⁺
6) Dissolve the precipitate in dilute HCI and boil the solution to expel out H ₂ S gas.		
7) Divide the solution in two parts:		
a) Add NaOH to the first part.	White precipitate obtained which dissolves in excess of NaOH.	Zn ²⁺ obtained.
b) Add potassium ferrocyanide to the second part.	Bluish white precipitate obtained.	Zn²+ obtained.

Result- Salt is Zinc sulphate

Acidic radical - SOy Basic radical - Zn2+

Aim- To analyse the functional group present in the given organic compound. (Ketone)

EXPERIMENT	OBSERVATION	INFERENCE
1) 2,4 -Dinitrophenyl hydrazine test To the organic compound dissolved in ethanol, 2 ml of 2,4-DNp solution is added. Corked the test tube and shake it and allowed to stand for 5 minutes.	Formation of yellow-orange precipitate.	Indicates the presence of carbonyl group.
2) Sodium bisulphite test- To the organic compound, NaHSO ₃ solution is added. Test tube is corked, shaken and left to stand for 20 minutes.	Formation of crystalline white precipitate takes place	Indicates the presence of carbonyl group.
3) m- Dinitrobenzene test- To the organic compound, finely powdered m- Dinitrobenzene is added followed by dilute NaOH and the test tube is shaken.	Appearance of violet colour takes place which fades slowly.	Ketonic group present.
4) Sodium nitroprusside test- Dissolve a crystal of sodium nitroprusside in water. Add the organic compound to the above solution followed by addition of NaOH dropwise.	Red coloured solution obtained.	Ketonic group present.

Result- The given organic compound contains \underline{Ketone} .

Aim- To analyse the functional group present in the given organic compound. (Carboxylic acid)

EXPERIMENT	OBSERVATION	INFERENCE
 Litmus test- To a drop of compound blue litmus is added. 	Blue litmus turns red.	Acidic group. May be carboxylic acid group.
2) Sodium bicarbonate test- To the organic compound, saturated solution of NaHCO ₃ is added.	Brisk effervescence of CO ₂ gas evolved.	Carboxylic acid group present.
2)Ester test- Add 1 ml of ethanol to organic compound taken in a test tube followed by 4-5 drops of conc. H ₂ SO ₄ . Contents are heated on a water bath for 10 minutes and emptied in a beaker containing one test tube water.	Formation of fruity smelling substance called ester.	Carboxylic acid group present.

Result- The given organic compound contains Carboxylic acid.

Aim- To analyse the food stuff (carbohydrate) present in the given sample.

EXPERIMENT	OBSERVATION	INFERENCE
1) Molisch's test- To an aqueous sample of the food, Molisch's reagent (10% alcoholic solution of α-naphthol) is added. Iml of conc. H ₂ SO ₄ is then added dropwise through the walls of the test tube.	Purple ring is produced at the junction of the two layers.	Carbohydrate confirmed.
2) Fehling's test- Mix equal amount of Fehling A and B in a test tube. To this solution food sample is added and the contents are heated on a water bath.	Red precipitate of Cu ₂ O is obtained.	Indicates the presence of a reducing sugar.
3)Benedict's test- To the aqueous solution of food sample. Benedict's reagent is added and test tube is heated on a water bath.	Red precipitate of Cu ₂ O is obtained.	Indicates the presence of a reducing sugar.
4) Tollen's test- To silver nitrate solution, 2-3 ml of dilute NaOH is added which results in the formation of a brown precipitate. NH,OH is then added till brown precipitate disappears. To the above liquid, food sample is added and mixture is heated on a water bath for 8-10 minutes.	Shining silver mirror obtained.	Indicates the presence of a reducing sugar.

Result- The given food stuff contains Carbohydrate.

Aim- To analyse the food stuff (oils/fats) present in the given sample.

EXPERIMENT	OBSERVATION	INFERENCE
1) Solubility test- Food sample solution is taken in 3 test tubes. To the first test tube water is added. To the second ethanol is added and to the third chloroform is added. Each test tube is shaken vigorously and observed carefully.	 a) Immiscible in water b) In alcohol it forms lower layer which dissolves on heating. c) Miscible in choloroform. 	Oil/Fat is confirmed.
2) Translucent spot test- A drop of given food sample is taken on the filter paper which is folded and pressed a little.	On unfolding a translucent or greasy spot is obtained.	Oil/Fat is confirmed.
3)Acrolein test- Food sample is heated with crystals of KHSO4 in a test tube.	Pungent irritating odour of acrolein is obtained.	Oil/Fat is confirmed.

Result- The given food stuff contains Oil/Fat.

Aim- To analyse the food stuff (proteins) present in the given sample.

EXPERIMENT	OBSERVATION	INFERENCE	
1) Biuret test- To the dispersion of food sample, 2 ml of NaOH solution is added followed by 4-5 drops of 1 % CuSO ₄ solution.	Bluish violet colouration obtained	Protein confirmed.	
2) Xanthoproteic test- To 2 ml of dispersion of HNO ₃ is added and contents are heated on a water bath.	Yellow coagulum obtained.	Protein confirmed.	
3)Million's test- To the dispersion of the given food sample, Million's reagent is added.	White precipitate of obtained which changes to brick red on boiling.	Protein confirmed.	
4) Ninhydrin test- To the dispersion of the given food sample, Ninhydrin solution is added and the contents are boiled.	Intense blue colouration obtained.	Protein confirmed.	

Result- The given food stuff contains Protein.

HOLIDAY HOMEWORK

CLASS - XII

BIOLOGY

- Write notes and question- answers of chapters 3 and 4 in your notebook.
- Learn Q/Answers of Ch 1, 2, 3 and 4. Go through the important points of these chapters.
- Write Activities 'SECTION- A, 1 to 8' in your BIOLOGY Practical File. (It should be neat and clean with diagrams).
- Make an Investigatory Project on a topic related to a disease.
 (Name of the disease and other related information will be provided through WhatsApp.)

CLASS Xii

(computer science /informatics practices) HOLIDAYS HOMEWORK (2020-21)

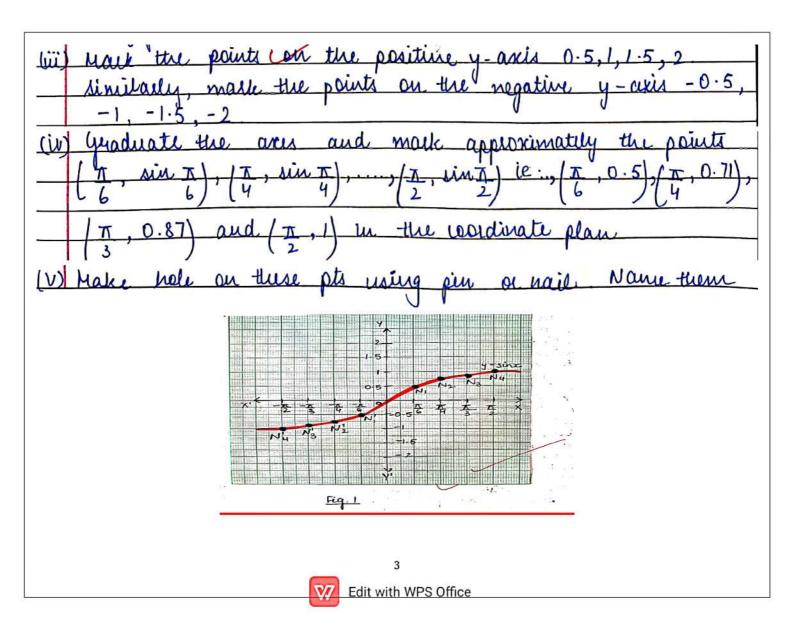
- Do all the MCQ Test Paper in your Register.
- Make a practical file of MYSQL. The list of questions are given in PDF format link.
- https://drive.google.com/open?id=1mpObOlyevkEQ1pOjyMaaf7QK7brBNUeL

HOLIDAY H.W. (2020 – 21) MATHEMATICS (041) CLASS - XII-C/E

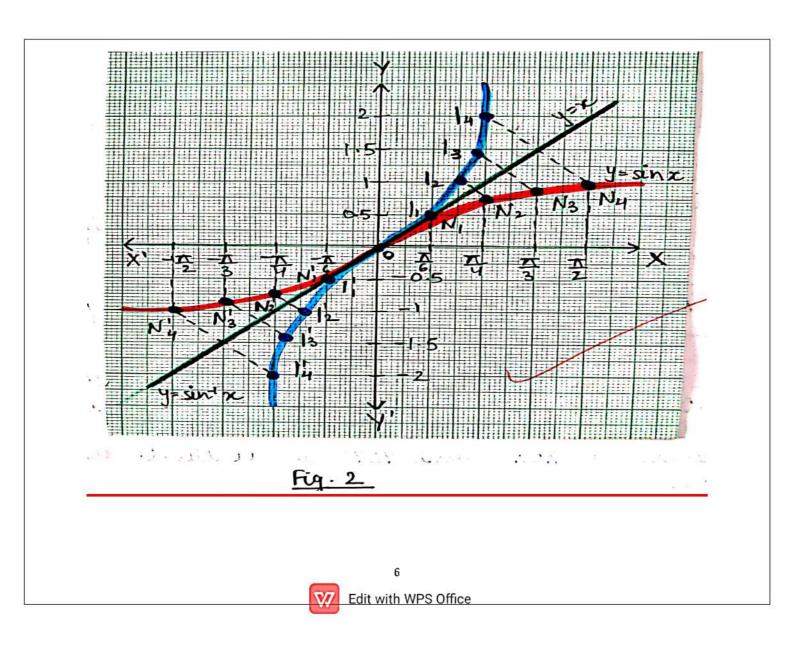
- 1. The following activities (3, 4, 5 & 6) to be done in MATHS practical file. FIGURE should be drawn on the left side plain page.
- 2.(i) Write all solved examples of Chapter-2, 3 & 4.
 - (ii) Learn and write all formulas of ITF & Differentiation.
 - (iii) Solve all questions from PRACTICE MATERIAL FOLDER of chapter- 2, 3, & 4.
 - Complete your notebook. (10 MARKS)
 - Complete MATHS practical file. (10 MARKS)

ACTIVITY-3

Objective: To draw the graph of sint x, using the graph of sinx and demonstrate the concept of misses reflection (about the line y = xe) Perevequisite Knowledge: Knowledge of plotting the graph of sinx and basic knowledge of invesse trigonometric functions.
· Materials Required: Graph paper, mules, exasts, plucil, colour pens, nail/safety pins · Inocedure: (i) Jake a graph paper & cut it into a square shape. Dean two preprindiculars on the graph using rules.
in fig: 1
2 Edit with WPS Office

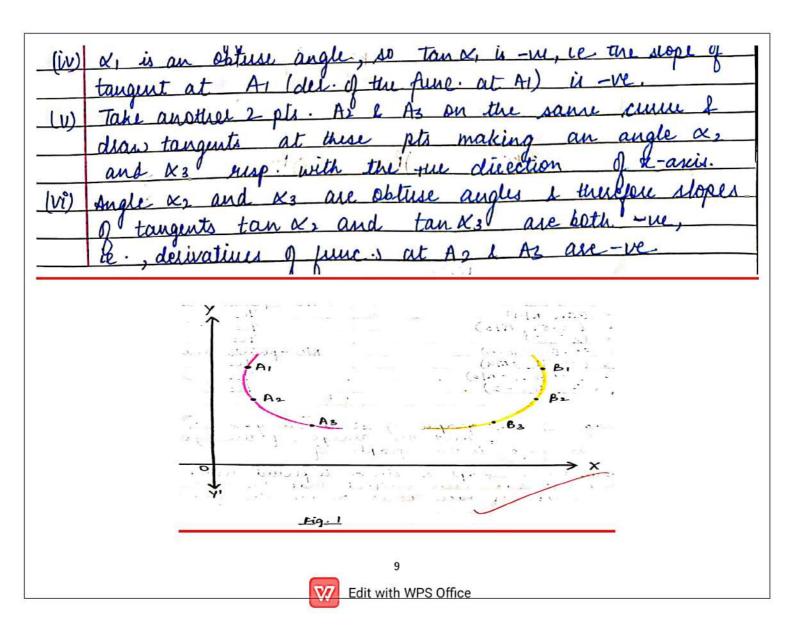


as N, N2, N3 & Ny as shown in fige!
(vi) Repeat the above process on the negative x-axis, by making
as N ₁ , N ₂ , N ₃ & N ₄ as shown in fig.! (vi) Repeat the above process on the negative x -axis, by making the pts $\left(-\frac{\pi}{4}, \sin{-\frac{\pi}{4}}\right), \left(-\frac{\pi}{4}, \sin{-\frac{\pi}{4}}\right), \dots, \left(-\frac{\pi}{2}, \sin{-\frac{\pi}{4}}\right), ie.,$
$\left(-\frac{\pi}{6}, -0.5\right), \left(-\frac{\pi}{4}, -0.71\right), \left(-\frac{\pi}{3}, -0.87\right) \text{ and } \left(-\frac{\pi}{2}, -1\right)$
and make a hole on the points using safety pin or nail and name them as N', N', N', N', & N', Also make hole
and name them as N, , N2, N3. 2 Ny. Also make hole
at 0
(vii) braw a free hand curve by joining all the pin holes to get the graph of sinx from - To To as shown in fig! (viii) Fold the square paper along the diagonal to get the - graph y > x. Using rules, draw a line on a square sheet of paper where the crease formed as shown in
get the graph of sing from - I to I as shown in fig!
(viii) Fold the square paper along the diagonal to get the
arah uzn. Using rules, draw a line on a square
where the grase formed as shown in
In 2
Circle March Control Legen the points Al. Als Ale My On the
(ix) Show a perpendicular from the points N, N, Ns, Ns on the
line y=x and produce these lines such that the
length of perpendicular on both sides of the line y-re.
are equal. Name the points on the other sides of the
line as 1, 12, 13 and 14 as shown in fig 2.
4
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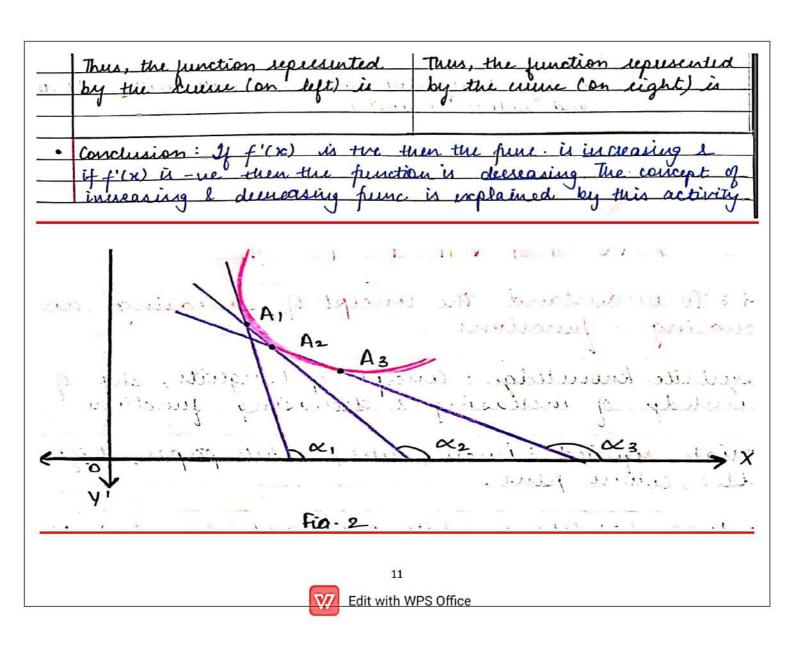


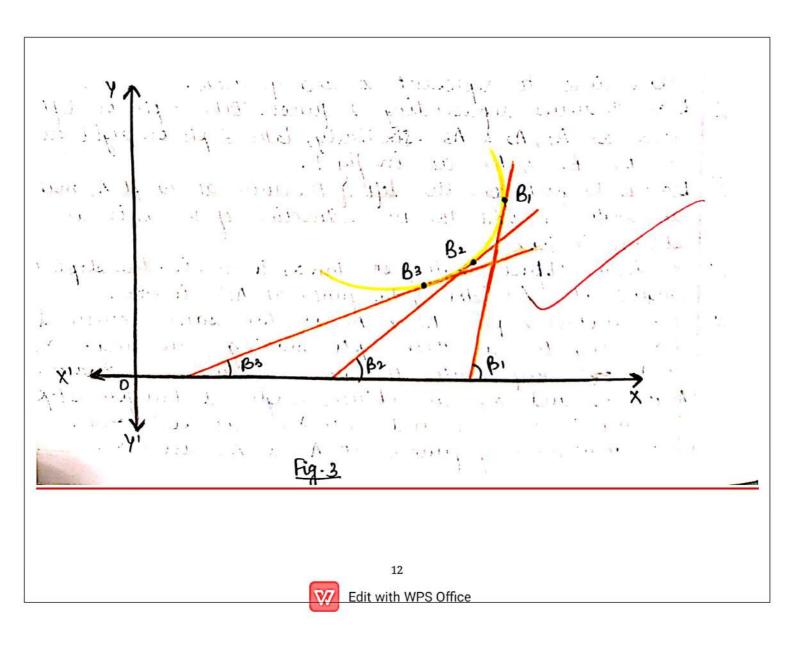
	OBSERVATION TABLE	
Points	Images of points in the niceou	
	1 the line y=x)	pupendicular to y=x (Yes/1
	d	
N ₁	11 = (0.5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	NO - points are coinciding
N ₂	$ _{2} = (0.71, \pi/4)$	Yes
Ns	$13 = (0.87, \pi/3)$	Yes
NY	14 = (1 nb)	Yes
N;	$1' = 1 - \overline{0.5}, -\pi/6$	No-points are coinciding
N'	$1'_{2} = (-0; 71, -\pi/4)$. Yes
N.	13= (-0.87, -13)	Yes
N!,	$1 = (-i - \pi/2)$	Yes
,	4d 4 8	as A 🖟 📗
	The image of the graph of sit	mic in y=x is the graph
		nage of the graph of
	sint & in y= x in the graph	
		D
•	Conclusion: The graph of since of since the been verified minos images of each other	is plotted using the graph
	of sin re. It has been verified	I that the two graphs are
	miller images of each other	in the line y=x.

	ACTIVITY 4
0	AIM: To undustand the concept of diseasing and increasing functions
•	bruguisite knowledge: concept of tangents, slope of line, knowledge of incleasing & decreasing functions
	Matrials required : lencil, rules, white paper, teigenometric tables, colour pens.
	Procedure: (i) Take a white papis and deaw two perpendicular lines to represent or and y-axis.) Draw 2 curies sepsementing 2 pencs. Take 3 pts on left
	and by by & b3 as in fig 1
(m	Naw a tangent: on the left of the nume at the pt A, making an angle or, with the +ve direction of k-axis as



(ix) B, B, & B3 and tangents at B,	b, B2 and be tangent, l B2 respects shown in all acute a , B2 l B3 a	som each pt n tively with the - fig. 3. engles & therefore se the ie the de	sight naking me direction the slope of siscitive of
by this cueue	is an increa	sing func.	func-given
		TABLE	
Angles on the left	Slope (+ve/-ve)	Angles on the sight	(tre /-ve)
∠ ₁ = 100°	tan Ki =-ve	B ₁ = 80°	tan B1 = +ve
W ₂ = 130°	tan 02= ve	β ₂ = 45°	tan β2 = +ve
W3 = 150°	tanks = -ve	B2 = 25°	tan Ba=+ve





ACTIVITY 5.

• Objective: To understand the concept of local maxima, local minima and point of inflection.

• Pre-requisite knowledge: Concept of tangents, knowledge of maxima, minima, local minima, local minima, local maxima and pt of inflexion.

• Pracedure: li) Take a cardboard sheet of convenient size & paste white paper on it.

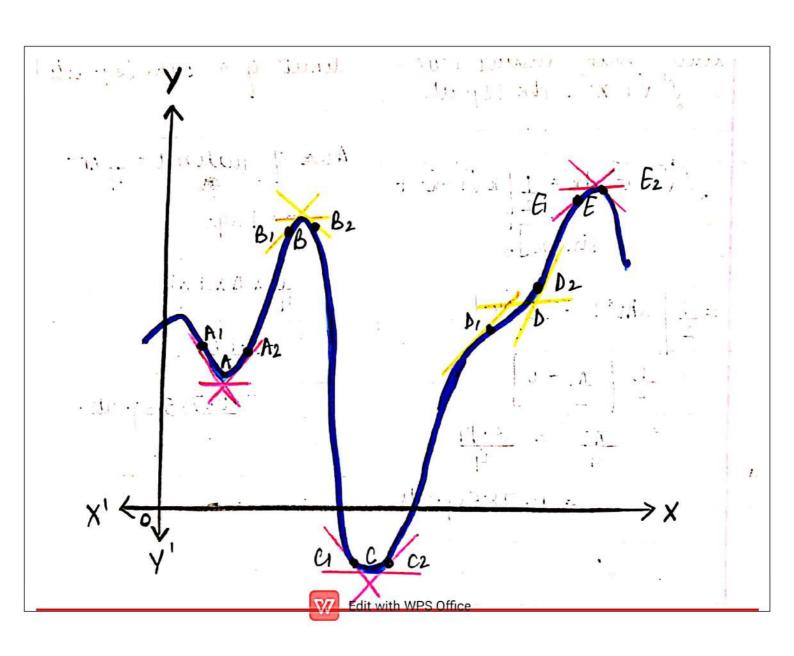
(ii) Draw two perpendicular lines X'OX and YOY' intersecting at O, which represents x-axis & y-axis.

(iii) Now, draw a curve as shown in Ag I.

13



(iv) Take 5 pts on the curue A,B,C,D & F, and draw
a line of 2 cm on each pt on the cume.
(V) The lines at the A, B, C & E supresents tangents
to the curve & are parallel to the k-assis. The
slopes of tangents at these pts are 0, ie., the value
of the first desiratine at these pts is O.
The tangent at 0 intersects the curie.
(vi) Take 2 pts, one to the immediate left of A & other
(vi) Take 2 pts, one to the immediate left of A & other to the immediate left of A & vame there pts
(vii) Repeat the process for ple for B, C, D and E. let their respective pts be (B1, B2), C(1, (2), (D1, D2) and
respective pts be (B1, B2), C(1, (2), (D1, D2) and
[[[] [] [] [] [] [] [] [] []
(viii) Draw tangents at pts A, A2, B1, B2, C, C2, D1, 12, E1, E2
(IX) Sign of the slope of the derivative (first clerivative) at a pt immediate left of A (ie. A) is negative t



	sign of the slope of the tangent (first derivative)
	at a pt immediate sight of A (ie. Az) is +ve. This implies at pt A, sign of the just decivative changes
	implies at pt A, sign of the just decivative changes
·	from - re to +ve . So, the pt A is pt of local minima.
(X)	Similarly, at pt. C the sign of the just derivative
NY TO	Changes from -ve to the when we more from pt C1 to C2 So, the pt C is also a pt of local
	C to Cz So the pt c is also a pt of local
	minima.
(ix)	Sign of the slope of the tangent (first derivative) at
	pt. on the cure immediate left of B(ie. B1) is
	tre & immediate sight of B (ie. Be) 4-ve. This
20	implies that at pt. B, sign of disjunctive changes
	from the to-re So, the pt B is the pt of local
	maxima.
	similarly, me can show that pt E is also pt of local
	maccinal.
(xiii	So, it is a pt of inflexion.
	So, it is a pt of inflexion.
	1 A 0

	Observatio	OBSERVATIO	ON TABLE	
	POINTS	NATURE OF	PT. OF LOCAL	REMARKS
-	10110113	FUNC.	MAXIMA/MINIMA	
	A,	Decreasing		Decreasin
	A	None.	ft. of local minima	to
	A ₂	Increasing	U	increasing

BI	Increasing	Pt. 0]	Increasing to
В	None	local	Decuasing
B2	Decreasing	Moncima	Ü
G.	Decreasing	Pt. of local	Decreasing
C	None	minima	to
C ₂	Increasing	0 4	luceasing
. л D	None	Pt of influction	None
De	Increasing	3	
Ei	Indeasing	Pt. of	lucreasing
E	None	lode	to
Ez	Decreasing	makima	Decleasing

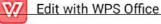
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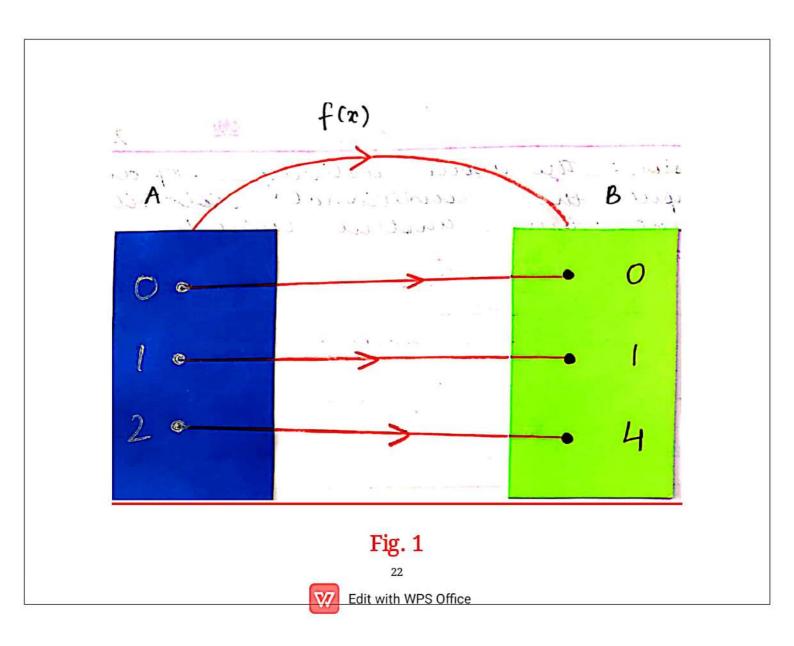


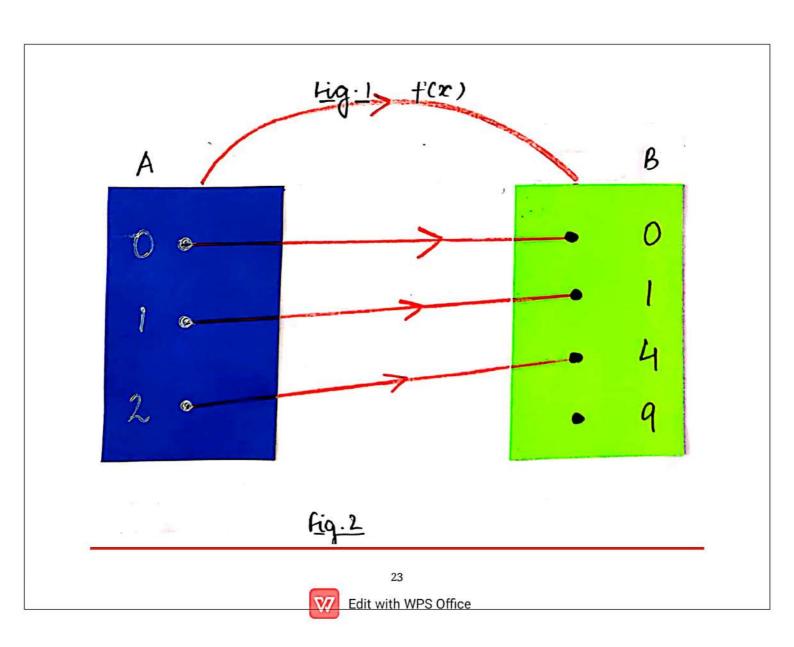
· Objective: To identify whether the given function is many-one or one-one, into or ento by considering domains & codomains.

20

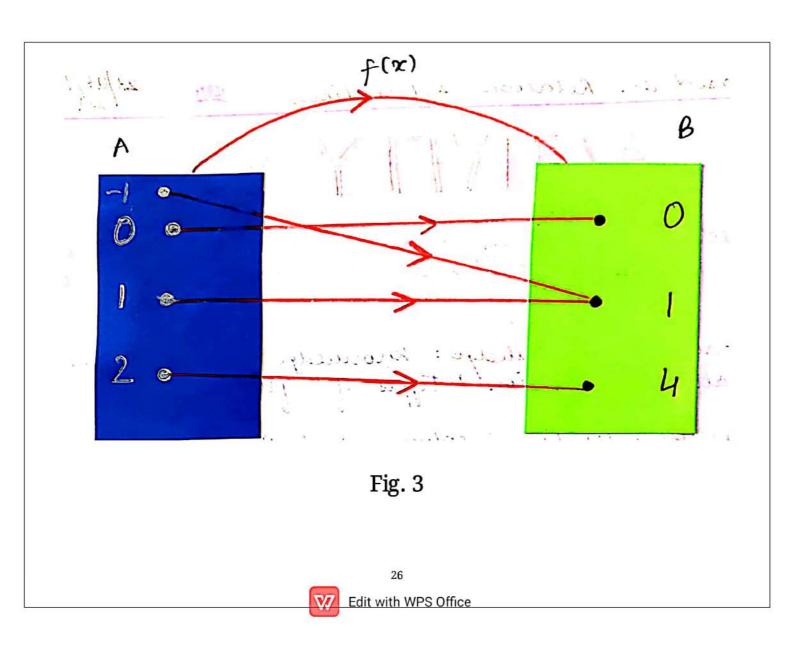


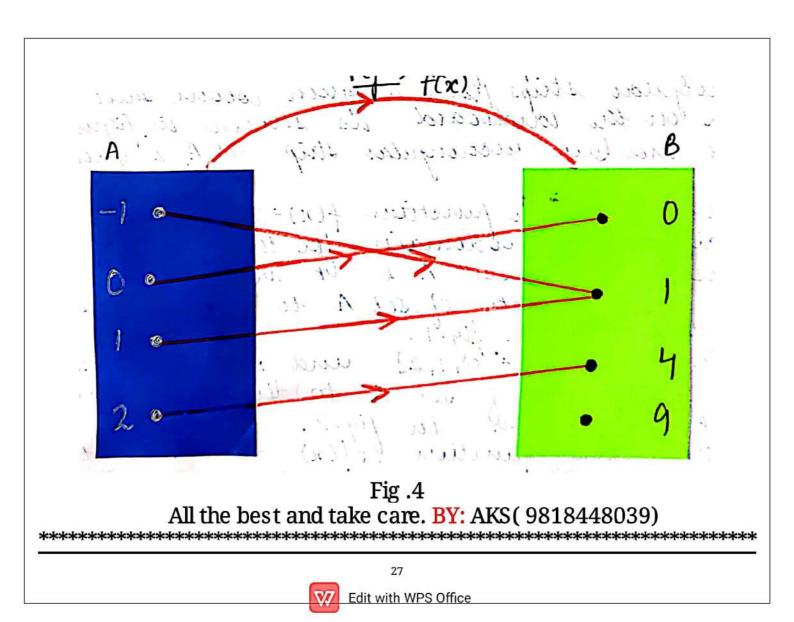
	Pri-requirite knowledge: Knowledge of sets, elements,
~	selation by the A marting
	Pri-requirité knowledge: Knowledge of sets, élements, relations, function à type of junctions
•	Procedure: (i) Take 2 colone sheets of paper, cut out 4
2.5	sictangular strips from a blue sheet & cut out 4
-	a transfer string point of access about theet & parte
-	hectariqued sup from a great cours succe passe
	frem on the coirobación às shown in payises.
(ii)	rectangular strips from a blue sheet & all off of rectangular strips from a green colour sheet & paste them on the carolboard as shown in figures. Name in blue metangular strip as A & green strip as B.
	as b
1111	1 of 111 consisted a nuclear this thank the
	domain & the codomain be the function f(x)
	represented by set A & OB respectively.
(iv)	domain & the codomain for the function $f(x)$ represented by set A + B respectively. Join the elements of set A to the elements of set
	B as shown in fig. 1.
(V)	B as shown in fig. 1. Again, assume A=[0,1,2] and B=[0,1,4,9]. Join
	the elements of set A to the elements of
4	set b as shown in fig. 2.
	Set p as still all the set Told as Told
(Vi)	for the same function, of(x) = n2. Take the set
	A = [-1,0,1,2] and set B = [0,1,4] Join the
	elements of set A to the elements of set B as shown in fig. 3.
all control of	set B as shown in fig. 3.
	•





2.5-2.01									
(vii) let A = [-1,0,1,2] and B=[0,1,4,9] Now, Join the elements of set A to the clements of set B as shown in fig B.									
the elements of set A to the elements of set B as									
shown in fial B.									
• Observation:									
OBSERVATION TABLE									
FUNCTION	DOMAIN	CODOMAIN	ONE-DNE/	INTO/					
			MANY-ONE	ONTO					
$f(x) = x^2$	80,1,23	30,1,43	ONE-ONE	ONTO					
$f(x) = x^2$	50,1,23	10,1,4,9}	ONE-ONE	INTO					
$f(x) = x^2$	3-1,0,1,23	80,1,43	MANY-ONE	ONTO					
$f(x) = xc^2$	8-1,0,1,23	80,1, 4,93	MANY-DNE	INTO					
J									
· Conclusion: Any function, whether it is many-one									
or one-one, into or onto com be identified									
by this activity									
and the same of									
25									
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HOLIDAY HOMEWORK CLASS - 12 SUBJECT - PHYSICAL EDUCATION (048)

THEORY

- Read the following chapters.
- Write and learn the question answers of these chapters.
- Chapters are as follows:
 - Unit 1 Planning in Sports
 - Unit 2 Sports & Nutrition
 - Unit 3 Yoga & Lifestyle
 - Unit 4 Physical Education & Sports for CWSN (Children With Special Needs)

PRACTICAL

- Prepare record file for Physical Education.
- Record file shall include:
- 1) Any one game of your choice out of the list below.

Volleyball, Basketball, Cricket, Kho - Kho.

Description of game should include history of game, labelled diagram of field

and court, rules, skills, terminologies, important tournaments and famous personalities.

2) Procedure for Asanas, benefits and contraindications for any two asanas for each lifestyle disease.

Lifestyle diseases are:

Obesity, Diabetes, Asthma, Hypertension and Back pain.

<u>Instructions for record file:</u>

- Use A4 size sheets.
- Plain paper should be arranged on left hand side and ruled paper on right hand side.
- Diagram should be drawn or pasted on plain paper and handwritten work on ruled sheets.

BHRIGURAJ SHARMA