

Nan	ne:					
Roll	No:		omputer			
Clas	s:	Section: Date:	Genius!			
FO	RMI	ULAS & FUNCTIONS IN EXCEL	Chapter-2			
A.	Giv	ve one word for the following:				
	1.	It is used to find the largest value in the given range.				
	2.	It is used to check whether the given condition is met, and returns value1 if the condition evaluates to true, and value2 if the condition evaluates to false.				
	3.	It is a built-in function that returns the current date.				
	4.	It calculates the maximum, minimum, average etc. of a set of numeric data.				
B.	Cir	cle the correct option.				
	1.	Absolute cell references in Excel use the (dollar (\$) / equal (=) syr	nbol).			
	2.	Built-in formulas in Excel are called (functions/methods).				
	3. The (hash / exclamation) sign point separates the worksheet portion of the reference from the cell portion.					
	4.	Formula is visible in the (Status bar / Formula bar) when you select a the result of the formula.	cell that contains			
	5.	(Statistical / Mathematical) function calculates the average of a give	en set of numbers.			
C.	Wr	ite the use of the following functions in Excel:				
	1.	LEN() –				
	2.	COUNT() –				
	3.	UPPER() –				
	4.	SQRT() –				
D.	Ide	entify the following icons of Excel:				
		\sum				





WORKSHEET 2

Nar	ne:				
Roll	No:			Co	omputer
Clas	ss:	Section:	Date:		Genius!
FO	RM	ULAS & FUNCTIONS	IN EXCEL		Chapter-2
A.	Tic	k (✓) the correct opti	on.		
	1.	Which one of the cell	references can be	included in relative refer	ence?
		a. A3		b. A\$1	
		c. \$A\$4		d. \$D6	
	2.	Numbers or text valu	es that do not chai	nge are called	• • • • • • • • • • • • • • • • • • • •
		a. Function		b. Constant	
		c. Reference		d. All of these	
	3.	What will be the resu	It of =UPPER("form	nula")?	_
		a. Formula		b. FORMULA	
		c. formula		d. None of these	
B.	De	fine the following:			
	1.	SUM()			
	2.	Operators			
	3.	Chart			
	4.	Len(text) -			
C.	Wr	ite the formula to:			
	1.	Concatenate the text	strings "Touch" and	d "Pad".	
	2			2.10 1.12 1	• •
	2.	Find the maximum va		9, 10, and 13 values.	• • • • • •
	3.	Find the current day			• • • • • • • • • • • • • • • • • • • •
	4.	Extract three charact	ers from the right s	ide of the text string "Co	ncatenate".

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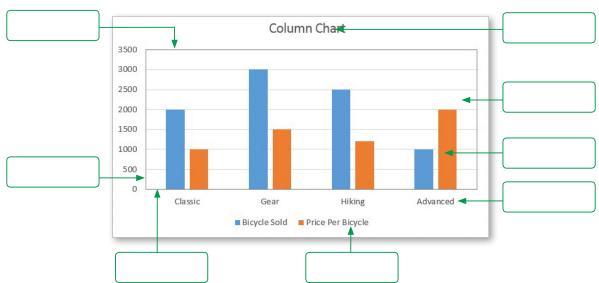
CHARTS IN EXCEL

Chapter-3

A. Give one word for the following:

- It is related to the set of values.
- It is a type of chart in Excel that shows the correlation between two sets of values.
- It is the vertical axis that is used to plot the values in Excel. 3.
- 4. It is a key which shows the meanings of symbols and colours used in the chart.
- 5. It can arrange the selected data in either ascending or descending order.

Label the components of a chart. В.



C. Name any four types of charts in Excel. Describe each one of them brief					

















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CH	AR1	'S IN EXCEL			Chapter-3
Α.	Tic	k (√) the correct o _l	otion.		
	1.		nart represent data?		
		a. Using long rec	tangular rods placed horiz	zontally	
		b. Using textures	and pictures to emphasiz	e data	
		c. Displaying dat	a in the form of vertical ba	ars	
		d. Emphasizing t	he area between the line a	and the axis	
	2.	How can you achie	eve sorting with specific co	nditions in Exce	el for multiple columns?
		a. Use the defaul	t sorting option		
		b. Utilize the Cus			
		c. Sort each colu			
		d. Combine all co	olumns into one before so	rting	
В.	De	fine the following:			
	1.	Custom Sort			
	2.	Gridlines			
	3.	Chart			
	4.	Plot Area			
C.	Nu	mber the steps to	sort data.		
	Ste	p Click o	n Home tab.		
		•	Sort A to Z (for text) or Soi	rt Smallest to La	argest (for numbers) to
		t the data in ascend			•
			the data to be sorted.	ad.	:
	316	·ρ ···································	n the Sort & Filter comman	iu.	





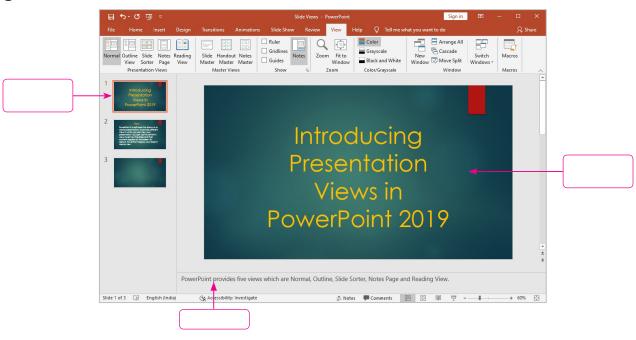


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ADVANCED FEATURES OF POWERPOINT 2016

Chapter-4

A. Identify the Normal view of the presentation and write their names in the boxes given.



- Write `T' for true and `F' for false.
 - Presentation can be viewed on full screen mode.
 - Video clip once inserted can be deleted by selecting it and pressing Delete key from the keyboard.
 - 3. If you select a new animation from the menu in the Animation group, it will not replace the object's current animation.
 - 4. We can preview the animation on the current object by clicking on the Preview command from the Preview group under the Animations tab.

C. Answer the following questions:

- When is Reading view used?
- Give two ways in which you can preview the effect of animation.





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ADVANCED FEATURES OF POWERPOINT 2016

A. Tick (\checkmark) the correct option.

Chapter-4

1.	The shortcut key to start	the slide sh	ow 1	from the current slide	e is
	a. Alt + F5		b.	Shift + F5	
	c. Shift +F4		d.	Shift + F3	
2.	Slide transition can be d	efined as		of one slide a	fter another.
	a. Movement		b.	Deletion	
	c. Creation		d.	Transition	
3.	The purpose of animatic	n is to hold	the	of the	audience.
	a. attendance		b.	absence	
	c. attention		d.	arrival	
4.	Which tab allows us to iminto our presentation?	port and use	e the	e files or objects from a	ıny other applicatioı
	a. Home		b.	Insert	

Fill in the blanks.

c. View

When we select the Audio on My PC option, the dialog box appears.

File

- To add an action button, we need to click on command from the 2. Illustrations group.
- Normal View shows the current slide, the outline and the 3.
- The allows you to view and manage all of the effects that are on the current slide.















Name:			
Roll No: _			Computer
Class:	Section:	Date:	Genius!
ALGOR	ITHM AND PSEUDOCOL	<u>DE</u>	Chapter-5
A. Fill i	n the blanks.		
1.	Ais a diag	grammatic representation of a st blem.	ep-by-step plan which
2.	is the set of	of rules for writing a programmi	ng language.
3.	has no syr understood.	ntax of any programming langua	age and can be easily
4.	The main constructs of ps	seudocode describe the	of the algorithm.
B. Writ	e 'T' for true and 'F' for fal	lse.	
1.	Algorithms must be depe	endent of programming languag	ge
2.	Programming language a and Python.	are C, C++, Java, JavaScript, R,	
3.	Language is our primary human interactions.	means of communication for all	
4.	Repeat is a conditional st an algorithm.	catement that can change the flo	ow of
C. Ansv	ver the following questio	ons:	
1.	Explain how traffic lights	work and how they are controll	ed by code.
2.	Why is syntax important	in programming languages?	
	• • • • • • • • • • • • • • • • • • • •		•••







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AL	.GOI	RITHM AND PSEUDOCO	DE		Chapte	
A.	Tic	:k (✓) the correct option.				CLASS
	1.	How are traffic lights con	trolled?			
		a. Manually		b. By sensors and o	code	
		c. By remote control		d. Through voice o	commands	
	2.	What is syntax in prograr	nming languag	ges?		
		a. A set of rules for gram	nmar	b. A type of code		
		c. A programming conc	ept	d. A programming	language	
	3.	What is coding?				
		a. Solving math probler	ns			
		b. Writing step-by-step	nstructions for	computers		
		c. Controlling traffic ligh	nts			
		d. Playing video games				
	4.	What is an algorithm?				
		a. A type of programmii	ng language			
		b. A set of instructions to	o solve a probl	em		
		c. A method of commun	nication			
		d. A computer hardware	component			
B.	An	swer the following quest	ions:			
	1.	Describe the role of coding	g in our daily liv	es and provide example	es.	• • •
						• • •
						• • •
	2.	Explain the main constru	cts of pseudoc	ode and provide exam	ples of each.	• • • • • • • • •
						· · · · · · · · · · · · · · · · · · ·
			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • •

Teacher's Signature:





Name:						
Roll No:					Computer	
Class:	Section:	Date:			Genius!	
USING	MAKECODE ARCADE				Chapter-6	9 s
A. Tic	:k (✓) the correct option.					CLASS
1.	Which blocks allow you	o incorpor	ate n	nusic in games?		
	a. Array blocks		b.	Image blocks		
	c. Music blocks		d.	Function blocks		
2.	What do controller block	s allow you	u to d	lefine?		
	a. Win conditions		b.	Button actions		
	c. Animations		d.	Dialogue		
3.	Which blocks allow repe	titive code	exec	ution?		
	a. Variable blocks		b.	Logic blocks		
	c. Loops blocks		d.	Info blocks		
4.	Where are custom functi	ons define	d in N	MakeCode?		
	a. Logic blocks		b.	Advanced blocks		
	c. Loops blocks		d.	Math blocks		5
5.	What do text blocks allo	w you to ge	enera	ite?		
	a. Images		b.	Arrays		
	c. Strings		d.	Buttons		
B. Wı	rite 'T' for true and 'F' for	false.				
1.	Scene blocks generate to	ext strings f	for di	alogue.		
2.	Info blocks provide anima	tion capab	ilities.		• • • • • • • • • • • • • • • • • • • •	• • •
3.	Loops blocks execute cod	•	•			• • •
4.	The share button downlo					
5. 6.	Extension blocks restrict p					• • •
o. 7.	Variable blocks store data Console blocks create lists		•	ıy.		• • •
, .	Consolic Stocks create list.	. J OIIIIu				

Teacher's Signature:





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Roll	No:				Computer	
Clas	s:	Section:	Date:		Genius!	
US	ING	MAKECODE ARCAI	<u>JE</u>		Chapter-6	4
A.	Fill	in the blanks.				7
	1.		blocks add condition	al logic to games	i.	
	2.		perform mathematic	al operations in c	ode.	
	3.	Use	blocks for sprite	creation and defin	nition.	
	4.		blocks change backg	jround images an	d colors.	
	5.		blocks generate text	strings and dialog	gue.	
	6.	Use	blocks to create	custom functions	•	
B.	An	swer the following qu	iestions:			
	1.	How do loop blocks h	nelp in programming	games?		
	2.	What do variables allo	ow in game programn	ning?		
	3.	What do advanced bl	ocks provide in Make	Code?		
				,		
	4.	Where are custom fur	nctions defined in Ma	keCode?		
	5.	How can you debug o	code in MakeCode Arc	cade?		
				,		• •
	6.	What do text blocks a	llow you to generate?	?		• •
						• •
	7.	How can you downlo	ad a MakeCode Arcad	le game?		• •





WORKSHEET (1)

Name:					
Roll No:				Computer	
Class:	Section:	Date:		Genius!	
EXPL	ORING MATHS WITH C	DDING		Chapter-9	9 9
A. Ti	ck (√) the correct option				CLASS
1.	How many variables are	created to cal	culate the multiplicati	on of two numbers?	
	a. One		b. Two		
	c. Three		d. Fourth		
2.	What category of block	is used to take	input from the user?		
	a. Output		b. Variables		
	c. Math		d. Input		
3.	What type of block is us	ed to perform	the multiplication ope	eration?	
	a. Conversion		b. Variables		
	c. Math		d. Output		j
4.	What is the purpose of t	he print block	in the program?		
	a. To prompt the user f	or input			
	b. To display the result				
	c. To perform mathematic	atical operatio	ns		
	d. To create variables				
5.	What is the formula to c	alculate the pe	erimeter of a rectangle	<u>e</u> ?	
	a. L+W		b. 2L		
	c. 2(L + W)		d. L×W		
B. Aı	nswer the following ques	tions:			• • •
1.	Discuss the importance	of coding in so	olving mathematical p	oroblems in AI.	• • •
					• • • •
2.	Explain the step-by-step of two numbers in AI Co	•	ting a program to calcu	ılate the multiplication	າ
					• • • •

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Nan	ne:					
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Clas	s:	Section:		Date:	Genius!	
EX	PLO	ORING MATHS WITH C	ODI	NG		V
A.	Wr	ite 'T' for true and 'F' for	r fals	se.		JUN IU
	1.	BODMAS stands for Bra Addition, and Subtracti				
	2.	The perimeter of a recta of its length and width.				
	3.	Nearly all mathematica blocks in Al Connect.	ng			
4. The area of a rectangle is calc				lculated by adding its length		
В.	Ma	ntch the following:				
	1.	Perimeter	a.	Allows user input for fencing	cost per meter.	
	2.	Total cost of fencing	b.	Prompts user input for farm le	ngth, stores as integer.	
	3.	Cost per meter	c.	Calculates the farm's perimete user-entered length and widt		
	4.	Input is	d.	Displays the calculated total c	ost.	
	5.	Set Length	e.	Area to place input blocks for	user data collection.	
c.	De	fine the following Term	s:			
1.	De	fine the term coding.				
					•	• • • • • •
2.	De	fine the term Al Connect				•
					_	





Nar	ne:						
Roll	No:			Computer			
Cla	ss:	Section:		Date: Genius!			
PL	OTTING GRAPHS			Chapter-10	•		
Α.	Ma	itch the followin	a:				
	1.	_	a.	Attach make plot's title block and add the title of the graph.			
	2.	Step 2:	b.	Go to the Variables category and create two variables named x and y.			
	3.	Step 3:	c.	Click on "+" in the create list of block and add number values for x and y variables.			
	4.	Step 4:	d.	Attach setto block from Variables category and select x and y variables.			
	5.	Step 5:	e.	Attach Plot Xs vs Ys Block from Matplot sub-category and add x and y variables.			
	6.	Step 6:	f.	Attach show plot canvas block to display the graph on the stage area. Then click on Run button.			
	7.	Step 7:	g.	Attach make plot's x-axis label block and make plot's y-axis label block and add titles for x-axis and y-axis.			
В.	Sh	ort Answer Ques	stio	ns:			
	1. What is the function of the Title block?						
	2.	2. Name the types of Bar chart.					



















Nul	ne:		
Roll	No:		Computer
Clas	ss:	Section: Date:	Genius!
PL	OTT	TING GRAPHS	Chapter-10
A.	Giv	ve one word for the following:	
	1.	Which type of chart is used to plot a vertical column ch	nart?
	2.	Which block is used to add data and labels to the char	t?
	3.	Name one sub-category of the Graph Plot category in	Al Connect.
	4.	Which type of chart is suitable for showing trends over	r time?
	5.	Which type of chart is used to plot data in a circular ma	anner?
B.	Wr	rite 'T' for true and 'F' for false.	
	1.	Graphs are an ineffective way to display data.	
	2.	Pie charts are also known as triangular graphs.	
	3.	Line charts are primarily used for comparing the distril of categorical variables.	oution
	4.	Pie charts are not suitable for displaying trends over tim	ie
C.	An	swer the following questions.	
	1.	What is the purpose of a graph?	
	2.	What does the Render Chart block do?	



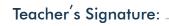












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Chapter-11

AI IN REAL WORLD

Fill in the blanks.

- Artificial Intelligence is the process of simulating human machines.
- 2. The block from the Output category displays information based on the condition.
- Face mask detection robots are used during COVID-19 to detect whether a person is wearing the face or not.

Write 'T' for true and 'F' for false.

- Artificial Intelligence aims to decrease human functions.
- The "== block" belongs to the Logic category in Al Connect. 2.
- Click on output button to see the output of the program. 3.
- 4. If-do block is used as the sequential block.

Answer the following questions.

- Explain one real-world application of Artificial Intelligence.
- How does Al contribute to improving computer functions related to human 2. knowledge?















Nan	ne:			
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AI	IN I	REAL WORLD	Chapter-11	7
A.	Fill	l in the blanks.		
	1.	Al stands for		
	2.	The Show Image with border block is found in the sub-category.		
	3.	Load Image block is used to load in Al	l Connect.	
	4.	An outline appears over the part of the image selected in Show Image with block.	the coding using the	
B.	Wr	ite 'T' for true and 'F' for false.		
	1.	Face mask detection robots were not utilized during COVID-	-19.	
	2.	The if-do Block is used for conditional programming in AI Co	onnect.	
	3.	The Get nose count block is used to detect a person's hair.	• • • • • • • • • • • • • • • • • • • •	
	4.	The Print block from the Output category displays informati based on the condition.	ion	
C.	An	swer the following questions.		
	1.	What is the primary goal of AI?		
	2.	Describe the steps involved in using AI Connect to detect wearing a face mask or not.	t whether a person is	
				•
				•



