



Nam	ie:						
Roll	No:				DIGIO	IA EGO	
Clas	s:	Section:	Date:			Ver. 2.1 🔊	
API	P D	EVELOPMENT				Chapter-1	7
Α.		k (√) the correct option.					CLASS
Α.		-	20067				
	1.	Which of the following uses	apps:	la.	Lambana		
		a. Hand-held devices			Laptops		
	2	c. Desktop	- al A al i al		None of these		J
	2.	develope	ea Anaroia.		DI .		
		a. Google			Playstore		
		c. Apple Inc.			Microsoft		
	3.	are platfo	orm depend				
		a. Native apps			Hybrid apps		
		c. Web apps			None of these		
	4.	is not a g	jaming app.				
		a. X			PUBG		
		c. Angry Birds			Candy Crush		
	5.	Which of the following is an					
		a. App Store					
		c. Play Store		d.	None of these		
В.	Wr	ite 'T' for true and 'F' for fals	e.				
	1.	Apps were not developed for	or desktops.				•
	2.	Notepad is an example of de	esktop appli	cati	on.		• • •
	3.	Web applications are typical	lly develope	d us	sing HTML and CSS.		• • •
	4.	Mobile apps cannot be used	l without int	tern	et connectivity.		• • •
	5.	Block editor view contains a	ll the compo	oner	nts required to		• • •
		design an application.					• • •

















Nar	ne: _		
Roll	No:		DIGICODE AI
Clas	ss:	Section: Date:	Ver. 2.1 >
AP	P D	DEVELOPMENT	Chapter-1
A.	Fill	ll in the blanks.	
	1.	Hybrid apps created by combining the features oapps.	f and
	2.	The commonly used Android Emulators are	••••
	3.	Android is an operating system for device	es developed by Google.
	4.	To use a, you need to install it first.	
B.	An	nswer the following questions:	
	1.	What is an application?	
	2.	Define hybrid apps.	
	3.	State a difference between a web app and a native app.	
	4.	State a benefit of e-commerce app.	
_			
C.	Gu	uess who am I?	
	1.	I am an app store developed by Google.	• • • • • • • • • • • • • • • • • • • •
	2.	I am an app store developed by Apple Inc.	
	3.	I am a free app development tool, provided by Google.	



4. I am also known as business apps.





Nar	ne:							
Roll	No:				•	IGIC	IA EGO	
Clas	ss:	Section:	Date:				Ver. 2.1 🔊	
KR	ITA	-IMAGE EDITING					Chapter-2	
A.	Tic	k (\checkmark) the correct option	ո.					
	1.	Which drop-down list i	s used to sel	ect tl	ne face of the font?			
		a. Font Size		b.	Font Family			
		c. Letter Spacing		d.	Font Anchoring			
	2.	Which of the following	is the place	whei	e you create and ec	lit an ima	ige?	
		a. Toolbox		b.	Workspace			
		c. Menu Bar		d.	Toolbar			
	3.	Which of the following	displays the	ZOOI	n level of the works	pace?		
		a. Resolution		b.	Status bar			
		c. Toolbar		d.	Menu Bar			
B.	Fil	l in the blanks.						
	1.	Resolution is used to sp	pecify the nu	mbe	r of	per inch	•	
	2.	Krita is a free and	g	raph	ics editor.			
	3.	By default, the name g	iven to the fi	le is .	• • • • • • • • • • • • • • • • • • • •			
	4.	The layers can be adde	d or		while working o	n the file	•	
C.	Ma	atch the following:						
	1.	E3	a. Simil	ar Co	olor Selection Tool			
	2.	9	b. Cont	iguo	us Selection Tool			
	3.	*	c. Freeh	nand	Selection Tool			
	4.		d. Recta	angu	lar Selection Tool			

















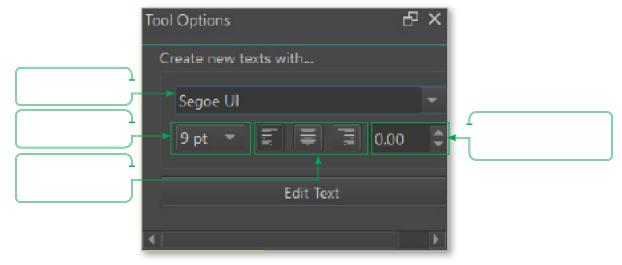


Name:			
Roll No:			DIGICODE AI
Class:	Section:	Date:	Ver. 2.1 🔊

Chapter-2

KRITA-IMAGE EDITING

A. Label the Tool Options Docker for Text Tool.



B. Answer the following questions:

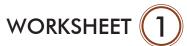
1.	Write the steps to use the Text tool.
2.	Explain the common options under Content tab.

C. Competency-based/Application-based question.

Sonalika has opened a file in Krita. She wants to detect the edges of the image automatically. Suggest the tool which will do the job.







Name			
Roll No	:	DIG	ICODE AI
Class:	Section:	Date:	Ver. 2.1 ♦
ADV	NCED FEATURES OF EX	(CEL 2016	Chapter-3
A. F	ead the clues and answer t	he following:	
•	. It is used to highlight cells particular value.	s that contain values greater than a	
2	. It is a way to arrange the o	data in ascending or descending orde	er
3	. This command allows you	ı to calculate group-wise sum.	
4	. It is a shortcut key used to	print the worksheet.	
В. (ircle the correct option.		
	. The subtotal command is	available under (Insert tab /Outline g	group).
Ź	. The (Conditional / Option the Home tab.	al) Formatting option is available in S	Styles group under
ŝ	The (Highlight Cells Rules , bars to the cells having nu	/ Data Bars) option is selected when yo umeric data.	ou want to add data
4	. The filters once applied (c	an / cannot) be easily removed.	
C. \	rite the name of the comm	nand used to:	
	. Add colour schemes to items.	all selected cells slowly varying fro	om top to bottom
2	 Add icon sets to show which need attention. 	which cells are acceptable, which a	are moderate and
			•
3	. Add data bars to the cells	having numeric data.	



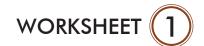




Nume	∃ :						
Roll N	10:				DIGIC	IA EGO	
Class	:	Section:	Date:			Ver. 2.1 ▶	
ADV	AN	CED FEATURES OF I	EXCEL 20	16		Chapter-3	58 7
A.	Tic	k (✓) the correct option	ı .				CLASS
	1.	Which tab must you sel	ect to add tl	he Fo	orm command to the ribbon	?	
		a. Data		b.	View		
		c. Insert		d.	Home		
	2.	What must each colun forms?	nn in a worl	kshe	et have before using it as a	database fo	r
		a. Row numbers		b.	Filters		
		c. Headings		d.	None of these		
	3.	Which command allow	s you to mov	ve th	rough records in a form?		
		a. Go To		b.	Find Next/Find Prev		
		c. Search		d.	Track Changes		
	4.	Where is the Condition	al Formattin	g coı	mmand located?		
		a. Insert tab		b.	Data tab		
		c. Home tab		d.	View tab		
Α.	Wr	ite 'T' for true and 'F' fo	r false.				
	1.	Filtering deletes the da	ta permaner	ntly f	rom the sheet.		
	2.	You can filter data using	g the Sort &	Filter	group under the Data tab.		
	3.	Conditional formatting	is applied to	o ent	ire worksheets only.		
	4.	Greater Than is a type of	of conditiona	al for	matting rule.		• • • • • • • • • • • • • • • • • • • •
	5.	Filtered rows can be un	hidden by re	emov	ving the filter.		• •







Nan	ne:						
Roll	No:				DIGIC	ODE AI	
Clas	s:	Section: [Date:			Ver. 2.1 🔊	
AL	GOF	RITHMIC INTELLIGENCE				Chapter-4	7 25
A.	Tic	k (\checkmark) the correct option.					
	1.	Which of the following uses	special sym	bols to represent	each step?		
		a. Data		b. Flowchart			
		c. Reasoning		d. Algorithm			
	2.	Which of the following is t interpret?	he basic fo	rm of data that	a compute	r can directl	у
		a. Reasoning		b. Binary code			
		c. Conditions		d. Data			
	3.	Which of the following are udecision?	ised in a pro	ogram to instruct	the compu	ter to make	a
		a. Conditional statements		b. Algorithm			
		c. Binary code		d. Flowchart			
	4.	Which part of the brain is res	sponsible fo	r logic and reaso	ning?		
		a. Left brain		b. Front brain			
		c. Right brain		d. Central brain	า		
В.	Fill	in the blanks.					
	1.	The left brain controls creati	vity and	• • • • • • • • • • • • • • • • •			• •
	2.	An algorithm and a flowcha	rt are the		to write a p	rogram.	• •
	3.	Each letter and symbol has a	a unique		ode.		• •
	4.	Our brain	, processes,	and stores inforr	nation.		• •
							• •



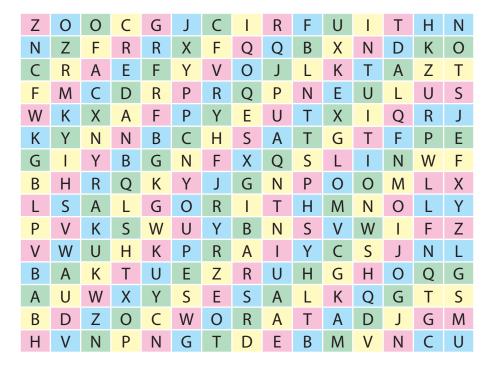


Name:			
Roll No:			DIGICODE AI
Class:	Section:	Date:	Ver. 2.1 🔊

Chapter-4

ALGORITHMIC INTELLIGENCE

A. Find six words related to algorithmic intelligence.

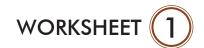


В.	Answer	the	follo	wing	questions
----	--------	-----	-------	------	-----------

1.	What are conditions in a program?
2.	Write an 'if' condition to display "Happy Birthday" if it is 2nd March today otherwise display "Thursday".
3.	Write the if-then-else condition to check if a number is divisible by 5 or not.







No	ıme:					
Ro	ll No:				DIGICO	IA EGO
Clo	ass:	Section:	Date:			Ver. 2.1 🔊
М	NRF	ON MAKECODE ARCADE				Chapter-5
_						
A.		k (\checkmark) the correct option.				
	1.	Which Math block is used to	return the re	rema	inder after division?	
		a. divide			mod	
		c. remainder of			fraction of	
	2.	Which comparison block ret	curns true if b		•	
		a. text check			equal (for text)	
		c. compare text			same as	
	3.	Which of the following is NO) I a type of L			ade?
		a. Conditional			Loop	
	4	c. Comparison			Boolean	
	4.	In MakeCode Arcade, where	e do you go to			
		a. Game blocks categoryc. Math blocks category			Logic blocks category Variables blocks categor	,
В.	E:11	in the blanks.		u.	variables blocks categor	y
В.			anust bayo a		n 2 m 2	
	1.	Each variable in a program i				
	2.	No chara	•			
	3.	The bloc				
	4.	The bloc	:k returns the	e sur	n of two numbers.	
C.	An	swer the following in one w	ord:			•
	1.	Which block would you use	to get the sq	quar	e root of a number?	•
	2.	Name the block that rounds	off a number	er to t	he nearest whole numbe	r
	3.	Which block is used to assig	n a value to a	a va	riable?	•
	4.	Which category is used to c	reate a variab	ble i	n MakeCode Arcade?	•



Name:			
Roll No:			DIGICODE AI
Class	Section	Data	Ver. 2.1 🔊

MORE ON MAKECODE ARCADE

Chapter-5

A. Answer the following questions:

- 1. Which Logic block do you use to compare two numbers?
- 2. What is the default comparison shown in Logic blocks?
- 3. What does the logical or block do?
- 4. Which block category includes the splash block used for displaying text?
- 5. What is initialisation?

B. Match the following:

C. Write the description of the following operations:

- 1. Addition ...
- 2. Equal
- 3. Boolean false -
- 4. Multiplication



















Nar	ne:							
Roll	No:		DIGICODE AI					
Cla	ss:	Section: Date:	Ver. 2.1 ♦					
MC	RE	ON PYTHON	Chapter-6					
A.	Re	ad the clues and answer the following:						
	1. These are the reserved words that has specific function in a program.							
	2.	It is used to define the type of value a variable can con						
	3.	It specifies the type of value a variable can contains.						
	4.	It is a data type in Python to store numeric values.						
	5.	It is a special symbol in Python used to perform arithme	etic or logical computation.					
В.	Cir	rcle the correct option.						
	1.	A (list/string) is a collection of data elements separated	d by comma(,).					
	2.	The (parenthesis / exponent) has the highest preceden	ce.					
	3.	The second nested (if / else)indented block will run only evaluates to be true.	when the first if condition					
	4.	If the condition evaluates to (true/false), then the contr the next statement after the if block.	ol of execution is passed to					
c.	Wri	te the name of three types of conditional statements	used in Python.					
	1							
	2							
	_							





Name	e:			
Roll N	No:		ÐIGIC	IA EGO
Class	: Section	n: Date:		Ver. 2.1 >
MOI	RE ON PYTHON			Chapter-6
Α.	Tick (√) the corre	ct option.		
	1. What does the	e operator ** do in Pytho	on?	
	a. Modulus		b. Floor Division	
	c. Exponentia	ation	d. Addition	
	2. Which operator	or in Python performs ex	ponential calculation?	
	a. //		b. %	
	C. **		d. +	
	3. Which of the f	following has the highes	t precedence in Python?	
	a. Addition		b. Parentheses	
	c. and		d. or	
В.	Write syntax of th	ne following:		
	1. if statement			
	2. ifelse statem	ent		
	3. nested if state	ment		
C.	Write a Python i	program to check wh	ether a candidate is eligib	le for votina
	or not.	, , , , , , , , , , , , , , , , , , ,		::
				•••
				• •
				• •
	* * * * * * * * * * * * * * * * * * * *	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• • • • • • • • • • • • • • • • • • • •

Grade: Teacher's Signature:





Nar	ne:					
Roll	No:				∌IGICODE A	AI
Clas	ss:	Section: Date):		Ver. 2.1	>
HU	MA	NS AND MACHINES			Chapter	·-7
A.	Tic	k (\checkmark) the correct option.				
	1.	When was the first gaming joys	stick creat	ted	?	
		a. 1967		b.	1968	
		c. 1972		d.	1982	
	2.	Who is known as the father of v	wearable	con	nputing?	
		a. Steve Mann		b.	Ivan Sutherland	
		c. John Mauchly		d.	Edmund Huey	
	3.	Which device revolutionized m	otion gar	min	g?	
		a. GameCube		b.	Wii	
		c. Virtual Boy		d.	XBOX	
	4.	Which company released the fi	rst touch	scre	en terminal?	
		a. Nintendo		b.	Control Data Corporation	
		c. IBM		d.	Apple	
В.	Fil	l in the blanks.				
	1.	tracked user	r motion	for o	gaming inputs.	
	2.	The keyboar	d was on	ne of	f the first text input devices.	
	3.	•	•		and	
		are the 4 stages in human-machine interaction.				
	4.	was the first	VR head:	set (created by Ivan Sutherland.	•
C.	De	fine the following terms:				•
	1.	Human-Machine Interaction				•
	2.	Menu Driven Interface			• • • • • • • • • • • • • • • • • • • •	•





ne:		
No:		DIGICODE AI
ss:	Section: Date:	Ver. 2.1 🔊
MAI	NS AND MACHINES	Chapter-7
		• • • • • • • • • • • • • • • • • • • •
_,		
	•	
Δn		
••		
2		• • • • • • • • • • • • • • • • • • • •
2.	What was ENIAC?	
3.	What are the stages in human-machine interaction?	
4.	What does eye tracking allow?	
De	fine the following terms:	
2	Touch Sensitive Interface -	
۷.		
3.	QWERTY	• • • • • • • • • • • • • • • • • • • •
4.	DATAR-	
	No:	MANS AND MACHINES Write 'T' for true and 'F' for false. 1. Ralph Baer invented the first gaming joystick. 2. Seiko made the first smartwatch. 3. Dexmo Exoskel launched a wireless VR glove. 4. The QWERTY keyboard was invented in the 19th century Answer the following questions: 1. What is a menu driven interface? 2. What was ENIAC? 3. What are the stages in human-machine interaction? 4. What does eye tracking allow? Define the following terms: 1. Command Line Interface







Nam	ne:						
Roll	No:				DIGIC	IA EGO	
Clas	s:	Section:	Date:			Ver. 2.1 🔊	
TY	PES	OF AI				Chapter-8	2 7
A.	Tic	k (√) the correct optio	n.				CLASS
	1.	What is the branch of c can think and work lik	•		ocuses on developing m	achines which	
		a. Human Intelligencc. Artificial Intelligenc			Natural Intelligence None of these		
	2.	Al can be divided into		jories	?		
		a. 1		b.	2		
		c. 3		d.	4		
	3.	Which category of Al o	an perform dedi	cate	d tasks with intelligence	?	
		a. Weak Al		b.	Strong Al		
		c. Super Al		d.	None of these		
	4.	Which category of AI mould also understand			rter than an average hun	nan being and	
		a. Weak Al		b.	Strong Al		
		c. Super Al		d.	None of these		
	5.	Which of the following	g is an example o	f We	ak AI?		
		a. Siri		b.	Chatbots		
		c. IBM Watson		d.	All of these		
B.	De	fine the following:					
	1.	Artificial Intelligence					• • •
							• • •
	2.	Weak Al					• • •
							• • •
	3.	Strong Al					• • •
							• • •





Nan	ne:			
Roll	No:			DIGICODE AI
Clas	ss:	Section:	Date:	Ver. 2.1 🔊
TY	PES	5 OF AI		Chapter-8
Α.	Fil	l in the blanks.		
	1.		s the branch of computer scien think and work like human be	nce that focuses on developing eings.
	2.	Machine's	is created by the hur	mans.
	3.	Siri, Google Assistan	t, and chatbots are examples o	of Al.
	4.	Machines that can	•	lems like humans are part of
	5.	Machines with human emotions.	intelligence v	would be able to understand
B.	Sta	ate whether these sta	atements are true or false.	
	1.	Weak AI cannot solv	e multiple unrelated problems	• • • • • • • • • • • • • • • • • • • •
	2.		y of machines to perform cogr , learning, problem solving and	nitive tasks like d decision making
	3.	Al can be classified i functionality of Al ap	nto 4 categories which are bas oplications.	ed on the
	4.	Narrow AI performs	dedicated tasks with intelliger	nce.
	5.	Weak AI machines h	ave human like intelligence.	
C.	As	sertion and reasonin	g based question.	
	As	sertion (A): Machines	can process huge volumes of	data quickly and with accuracy.
		ason (R): Machine leading.	arn from information provided	d to them and through regular
	1.	Both A and R are cor	rect and R is the correct explar	nation of A.

Both A and R are correct but R is NOT the correct explanation of A.



A is correct but R is not correct.

A is not correct but R is correct.

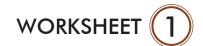
Select the correct answer from above options.



2.

3.





Nan	ne:					
Roll	No:			DIGIC	IA EGO	
Clas	s:	Section:	Date:		Ver. 2.1 🔊	
SM	AR	Γ LIVING			Chapter-9	L
Α.	Tic	k (√) the correct option.				
	1.	Which is a benefit of smart	cities?			
		a. Traffic jams		b. Water shortage		
		c. Economic growth		d. Power wastage		
	2.	Which stage of Al involved	machine lea	rning systems?		
		a. First		b. Second		
		c. Third		d. Fourth		
	3.	Which industry will AI tran	sform in the f	future?		
		a. Agriculture		b. Education		
		c. Medicine		d. Business		
	4.	How can CCTV monitoring	help reduce			
		a. Face recognition		b. Motion detection		
		c. Image analysis		d. Object tracking		
В.	Fill	in the blanks.				
	1.	cities ha	ave efficient p	oublic utility services.		
	2.	Self-driving cars use		cameras and AI.		
	3.	Al serves	content on	social media platforms.		
	4.	The ale	rts users abou	ut home security breaches.		
C.	Wr	ite 'T' for true and 'F' for fa	lse.			
	1.	Traffic is better managed in	n smart cities			
	2.	Education quality is unaffe	cted by AI.			• •
	3.	Cybersecurity is weakened	l by AI system	ns.		• •
	4.	Machine learning was the	first wave of A	AI.		• •
_						















Name:

Roll No:

Date: Class: Section:



Chapter-9

SMART LIVING

A. Answer the following questions:

- How can Al improve education?
- What is the future of transportation with AI?
- How will Al impact cybersecurity? 3.
- What are some devices used in smart homes?
- Write any five benefits of Smart Homes. 5.

Identify the name of the devices given below: **B.**

1.



2.



3.























Name:			
Roll No:			DIGICODE AI
Class:	Section:	Date:	Ver. 2.1 🔊

FIELDS WHERE ROBOTS ARE USED

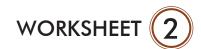
A. Fill in the blanks.

Chapter-10

	1.	was the first industrial robot used on assembly lines.
	2.	is a four-legged military robot that can climb stairs.
	3.	is a customer service robot that works in shopping centers.
	4.	slices noodles and tosses them into boiling water.
	5.	The surgical system allows doctors to operate with precision.
В.	Wri	te a short note on the different fields where robots are used.
	1.	Security and Surveillance -
	2.	Military
	3.	Manufacturing -
	4.	Cooking-

Grade: Teacher's Signature: _





Name	e:							
Roll N	lo:					DIGIC	IA EGO	
Class	:	Section: Do	ate:				Ver. 2.1 >	
CICI	n	S WHERE ROBOTS ARE US	:En				Chapter-10	
			<u> </u>					700
		k (✓) the correct option. Which report below with secur	ity and cur	النصد	20507			כ
	1.	Which robot helps with secur a. Spot	ity and sur		Atlas			1
		c. Herbie			Flyability			
	2.	Which was the first robot use	d in manuf					J
	۷.	a. Omnibot 2000			Unimate)
		c. Tomy Omnibot			PUMA 560			
	3.	Which robot looks like a tank	in the mili)
	•	a. MAARS			PackBot			
		c. Crusher			MULE			
	4.	Which robot can recognize ar	nd chat wit	h cu	istomers?)
		a. Pepper			Sophia			
		c. Nadine			Atlas			
В.	Wr	ite 'T' for true and 'F' for false	١.					
	1.	Flyability is a security drone.						•
	2.	Unimate worked on assembly	/ lines in th	ie 19	960s.			•
	3.	Nadine is a customer service	robot.					•
	4.	Moley is a sushi chef robot.						۰
	5.	Da Vinci performs simple surg	geries.					•
	6.	Robonaut was the first robot	in space.					• • •
C.	An	swer the following questions	5:					• •
	1.	How do robots help with seco	urity?					• •
	2.	Where was the first industrial	robot Unir	mate	e used?			• •

Grade: