# IT GLITZ V2.0 TEACHER'S HANDBOOK

Dear Sir / Madam,

This handbook aims to help the teachers to concentrate more on the practical side. The teachers have to particularly note that in the lower classes especially in the first and second standards, it is meant to give an awareness of the computer and it is not at all necessary to by heart the computer parts or computer related terms. They mustn't feel computer study a burden. Otherwise let them feel enjoyable their studies. It is not mere a computer study but a concrete foundation for their higher studies through the simple basic programming technics.

Thanking You,
Team EDUFY

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# **SCHEME OF EXAMINATION**

# TWO TERM SCHEME

BOOKS	TERM I (OCTOBER)	TERM II (MARCH)
	LESSONS	LESSONS
BOOK 1	1,2,3	4, 5, 6
BOOK 2	1,2,3,4	5,6,7
BOOK 3	1,2,3,4	5, 6,7
BOOK 4	1,2,3,4	5, 6, 7
BOOK 5	1,2,3,4	5, 6, 7, 8
BOOK 6	1,2,3,4	5, 6, 7, 8
BOOK 7	1,2,3,4	5,6,7,8
BOOK 8	1,2,3,4	5, 6, 7,8
	•	

Note: Questions for each terminal examination cover only the portions prescribed for it.

# **SCHEME OF EXAMINATION**

THREE TERM SCHEME

BOOKS	TERMI (AUGUST) LESSONS	TERM II (DECEMBER) LESSONS	TERM III (MARCH) LESSONS
BOOK 1	1,2	3,4	5,6
BOOK 2	1,2	3,4,5	6,7
BOOK 3	1,2	3,4,5	6,7
BOOK 4	1,2	3,4,5	6,7
BOOK 5	1,2,3	4,5,6	7,8
BOOK 6	1,2,3	4, 5,6	7,8
BOOK 7	1,2,3	4, 5,6	7,8
BOOK 8	1,2,3	4, 5,6	7,8
	I	1	

Note: Questions for each terminal examination cover only the portions prescribed for it.

# ITG-I

1

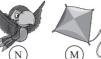
### **HELLO COMPUTER**

- I Write the right number on the blank space.
  - 1) Calculate
- 2) Watch News
- 3) Travel
- 4) Find time
- II Fill in the blanks with suitable letters
  - 1)B
- 2) D
- 3)A
- 4)E
- 6) F
- III Check whether true of false
  - 1) False
- 2) False
- 3 True

5) C

IV Identify the following things and write N for Natural things and M for Man-made

things











V Find out the odd one







- VI Colour the picture and tick the right option
  - onatural thing
- VIII What comes next?



- IX Answer the following
- 1 Cat and Tree
- 2 Computer

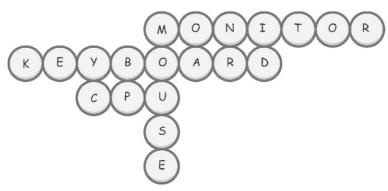
# ITG-I

2

# **PARTS OF A COMPUTER**

- I Name each computer part
  - 1) Monitor
- 2) CPU
- 3) Mouse
- 4) Keyboard

II Fill the crossword



# Ш Fill in the blanks with suitable letters 2 CPU is the brain of a computer 1 Mouse looks like a rat 3 Monitor looks like a television 4 Keyboard is used to write letters IVMatch the picture with related computer parts $\mathbf{V}$ Find out how many computer parts are given below 2) Monitor CPU Mouse ITG-I 3 **FUNCTIONS OF COMPUTERS** Connect computer with its features and functions I Read Powerful Calculate Play games Check whether true $(\checkmark)$ or false $(\times)$ II Computer is Find out odd one Ш Make mistake Very Slow Find out the given words IV $\mathbf{V}$ Fill in the blank with suitable numbers 3) Games 1) Letters 4) Call 5) Write 6) Pictures 2) Songs ITG-I **MOUSE AND KEYBOARD** Mark (/) on the image related with mouse I

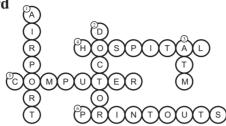
Dragging  $\langle \cdot \rangle$  Single click  $\langle \cdot \rangle$  Mousepad  $\langle \cdot \rangle$ 

Wheel  $(\checkmark)$  Left Button  $(\checkmark)$ 

II	Mark	( /	) on the image rela	atad with Kay	hoard		
11	Nume		_	cial keys ()		hahetic keys (	Function keys 🔾
III			e blanks with suita		7 Np.	naoetie keys	y) I unetion keys (5)
111	1) Wh				1 4)	Left Button	5) Alphabetic keys
			,	yboard	• •)	, Lett Button	5) i iipilaoetie keys
IV			ne following	<i>y</i> = = <del>u</del> = <del>u</del>			
-,			2) Right Click	3) Single Cli	ck	4) Numeric K	Leys 5) Keyboard
(IT	G-I	5	S	TARTING WI	TH PAI	NT	
I	Tick o	n t	he right statemen	t			
	1)(/		2) (×)	3)(🗸)			
II	Tick t	he	correct one				
	Start	_	→ Windows Acc	cessories	Paint		
III	Fill in	th	e blanks with suita	able numbers			
	1) Too	ols g	group 2) Co	lors group	3) Dra	aw pictures	4) Paint
	5) Star	rt b	utton 6) Too	ol box			
			LO	GICAL RE	ASON	ING	
I	Puzzlo	e					
	Which	is 1	the top view?	1			
II	Match	h th	e cards			5	
	1)		2) (2		3) 3		4) (4)
III	Hown	nar	ny? 15				
IV	Tick(	/) t	he correct option	Answ	er:A		
IT	G-I	6	AF	RTIFICIAL INT	ELLIGE	NCE	
I	Fill in	the	blanks with suita	ble words			
	1) b		2) d	3) c	4) a		
II	Conn	ect	with suitable num	bers			
	Alexa	-2	Robot-1	Drone-3	Goog	le Assistant-4	
III	Multip	ple	choice questions	1) a	2) b	3) b	4) b
IT	G-II	1	BEGI	NNING WITH	н сом	PUTER	
I	Multi	ple	choice questions				
	•	-	-	canning 3)	Emigra	ation 4) A	ATM
8							

- II Fill in the blanks
  - 1) Play Game 2) Keyboard, Mouse, Monitor, CPU 3) CD/DVD drive 4) Scan
- III True or false
- 1) True
- 2) False
- 3)True

IV Fill the crossword



- V Identify the parts of a computer
  - 1) Scanner 2) Joystick 3) Pen drive 4) Printer
- VI Match the following
  - 1) Hospital
- 2) Designing
- 3) Office
- 4) Home
- 5) Railway Station

VII Connect with related features

Bank (5,6) Home (2,1) School (4,3)

VIII Find out and round the given words in the letter grid

Q	l	B	W	0	U	5	E	P
C	Π	0	M	Р	U	Т	E	B
Н	П	0	R	Α	M	Т	J	I
B	П	Κ	Т	Q	K	G	Ν	N
A	Π	S	У	(5	Н	0	P)	Т
N	Γ	Р	H	0	M	E	В	I
K	(	D	Ε	5	I	G	N)	N
A		Ī	R	Р	0	R	T	G
S	(	R	Α	Ι	L	W	Α	У

- IX Identify the places
  - 1) Textiles 2)
    - 2) Hospital 3)
- 3) Printing
- 4) School 5) Home
- Home 6) Bank

- 7) Office
- 8)Railway station
- 9) Airport

# ITG-II

2

# **COMPUTER WORLD**

- I Rearrange the steps to switch ON a computer
  - 1) Turn On Main Supply 2) Turn On UPS 3) Turn On CPU 4) Turn On Monitor
- II Arrange the block in the right order to get names of electronic devices
  - 1) Mainframe
- 2) Television
- 3) Desktop
- 4 Palmtop

III Number the device according to their size











#### IVRearrange the steps to switch OFF a computer

- 2) Power Button 3) Shut down button 4) Power of monitor 1) Start Button
- 5) Power of UPS 6) Power off Main supply

#### $\mathbf{V}$ Match the following







Tablet



Mainframe computer

Laptop **Connect with related function** 

1) Do calculations

2) Call friends 3) Watch movies 4) Listen to music

VII True or False

1) False 2) True 3) False

#### VIII **Answer the Following**

- 1) Computer is an electronic device. It is used to play games, watch news and do calculations.
- 2) Super computer is the fastest and expensive computer used for scientific works.
- 3) Computer is faster.
- 4) Plamtop computer is the smallest computer.

### ITG-II

VI

3

### **WORKING OF A COMPUTER**

#### T Check whether True or False

- 1) False
- 2) True
- 3) False

#### П Fill the series

1) Processing 2) Monitor 3) Memory card 4) Speaker 5) CPU 6) Output 7) Hard disk

Ш Select suitable words from the list below and fill the blanks spaces



Connect the computer with related parts IV

> 1) Scanner 2) Printer 3) Speaker 4) Web camera 5) Keyboard 6) Mouse

#### Name the following V



Washing Machine









### ITG-II

### LAB CULTURE

- Fill in the blanks I
  - 1) Monitor
- 2) Silence
- 3) Dust covers
- 4) Clean and Neat

- 5) Computer table
- 6) Mousepad
- П Tick whether Good or Bad behaviors
  - 1) Good
- 2) Bad
- 3) Good
- 4) Good
- 5) Bad

Ш Tick the pictures with Good or Bad

















IVMark Good or bad behaviours













- **Complete the Crossword**  $\mathbf{V}$ 
  - 1) Computer lab
- 2) Mousepad
- 3) Clean
- 4) Distance

# ITG-II

5

# **KEYBOARD**

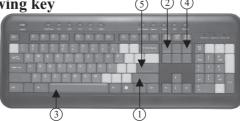
- I Fill in the blanks
  - 1) Spacebar
- 2) Numeric
- 3) Shift
- 4) Notepad
- II Rearrange the steps to open Notepad
  - 1) Start button 2) Windows Accessories
- 3) Notepad

- III **Tick whether True or False** 
  - 1) False
- 2) True 3) True
- 4) False 5) False

- **Identify the keys** IV
- 1) Backspace key
- 2) Shift key 3) Delete key
- 4) Enter key

- $\mathbf{V}$ Connect the bats with related halloween
  - 1) Delete
- 2) Caps lock
- 3) Space bar
- 4) Enter key
- 5) F10

VIMatch the following key



(IT	G-II	6					MORE	ON P	AINT				
I		$\sim$	s true ?		on th		$\sim$						
TT	1)	$(\times)$	2)		/)	3)	$(\checkmark)$						
II	FING	R	tools n	ame:	N	E	)						
	$\mathbb{H}$	E	s R	I	E	N	-						
	$\mathbb{H}$	-	0 V	I A	L	E	-						
	$\mathbb{H}$	T	P E	N	C	P	-						
	$\mathbb{H}$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N R	L		E	-						
	$\mathbb{H}$	N	CA	E	A G	N	-						
	H	G	L S	C	E	C	-						
	$\mathbb{H}$	L	C E	I		I	-						
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ш	Eil		^   K				) lattama						
III	1) C			S WIII Recta				4) Era	ıser				
IV			the foll		_	2) 1	21110	., 210					
			tool is	_		v pict	tures.						
	2) C	val to	ool is u	sed to	draw	ellips	se and circl	es.					
$\mathbf{V}$	Con	nect	the too	ls wit	h rela	ited a	angry bird	8					
	1) c		2)	) b	1.0	3) 8		4) d	INC	5) e			
A	Who	t doo	s not fit	9	LU	GIC	CAL REA	SON	ING				
A	a - C			• Fire	c-	- Frui	it						
В	Find	the n	nissing										
		wer- c		_		_							
C	Wha	t ima	ges are	missi	ng in o	each l	line						
	1)			2)			3)	4)			5)		
П	G-II	7			•	Δ	I AROUNE	) US					
		ٺ	blanks										
Ι		i <b>n the</b> ophia		Aibo	3)	Chatl	bot 4) Ro	hot	5) You	Tube	6) Ro	hotic l	Engineer
II		-	for Tru					301	<i>5)</i> 100	1000	0) 100		2112111001
	1) F		2) T			l) F	5) T						
12													

- III Match the following
  - 1 Sophia 2 Chatbots 3 Self Driving Car
- IV Rearrange the jumbled words
  - 1 KURI 2 AIBO 3 ROBOT
- V Answer the following
  - 1 No, Robots are not smarter than human. But some people say that robots are not as smart as we think
  - 2 Robot is a machine resembling a human being and able to replicate certain human movements and functions automatically.
  - 3 Artificial Intelligence is the intelligence of machines, that allows them to perform some tasks which requires intelligence.
  - 4 Sophia, Aibo, Kuri etc.
  - 5 Chatbots, YouTube recommendations, Self Driving Car etc.
- VI Fill the crossword
  - 1 Robot 2 Sophia 3 Honda 4 Chatbots 5 Kuri 6 Aibo

# ITG-III I CO

### **COMPUTER FUNDAMENTALS**

- I Write I for input devices and S for storage devices
  - 1)I 2)S 3)I 4)I 5)S 6)S 7)I
- II Who am I?
  - 1) Memory

- 2) Webcam
- 3) Joystick
- 4) Plotter

5) Delete

- 6) Keyboard
- 7) Barcode Reader
- 8) CPU

- III Fill in the blanks
  - 1) Three
- 2) Function key
- 3) Biometric
- 4) Monitor
- 5) CPU 6) Output

IV Match the following









- V Find out the Odd one
  - 1) Speaker
- 2) Joystick
- 3) Function key
- 4) Delete

VI Pick out the right combination



- VII Write the category of the following devices
  - 1) Output
- 2) Storage
- 3) Output
- 4) Input
- 5) Output
- 6) Input

### ITG-III

2

### SOFTWARE AND HARDWARE

#### **Multiple Choice Questions** I

- 1) Windows 10
- 2) Paint
- 3) Monitor
- 4) Bottom

- II Fill in the blanks
- 1) Maximize 2) Application
- 3) System
- 4) Start

#### Ш Identify the following

- 1) This PC
- 2) Recycle Bin
- 3) Paint
- 4) Minimize
- 5) Close

#### IV Fill the crossword



#### $\mathbf{V}$ Find the names of icons









- 1) This PC

### Answer the following

- 1) Application software are the programs used to perform specific tasks.
- 2) Software is a set of instructions to the computer to do a particular work. Windows 7 Paint, WordPad, Windows Media Player etc. are examples of software.
- 3) Hardware are physical components that make up of a computer system and can be seen and touched.

#### VII Find out the odd one

- 1) Monitor
- 2) Keyboard
- 3) Windows

# ITG-III

VI

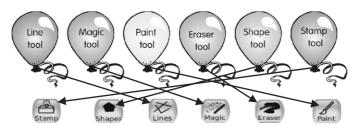
3

### STARTING WITH TUX PAINT

#### Fill in the blanks I

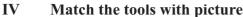
- 1) B
- 2) A
- 3) D
- 4) C

#### II Connect with suitable balloons



#### Ш Match the tools with shapes















# ITG-III

### **MORE ON TUX PAINT**

### Name the Following



#### II Fill in the blanks with suitable words

A- Flower

B- Magic

C- Fill

D- Quit

#### Ш Which tool you choose

Find out the tools you need to draw the following.











#### IV Find out what are they

- 1) Grass
- 2) Text
- 3) Stamp

#### **Answer the Following** $\mathbf{V}$

- 1) Step 1: Click on the New tool
  - Step 2: Select a colour for the new window.
  - Step 3: Click on the Open button.
- 2) Fill tool, Flower tool, Grass and Noise.
- 3) Step 1: Click on Open tool from the Tools.
  - Step 2: Click Slides button available on the Open window.
  - Step 3: Click on each image which you wish to display in slide show.
  - Step 4: Adjust the speed of the slide show using sliding scale near to play button.
  - Step 5: Click on the Play button.
- 4) Flip tool is used to turn picture vertically.

# ITG-III

### **MICROSOFT WORD 2016**

#### Fill in the blanks I

- 1) Two 2) Start Screen
- 3) Document
- 4) Minimize
- 5) Pin

#### II **Multiple Choice Ouestion** 2) Save 3) Maximize button 4) Tell me 1) Start screen Ш Match the following 1) Create a New document 2) Save the document 3) Open File 4) Print the document IV State whether True or False 1) True 2) True 3) True 4) False $\mathbf{V}$ Identify the icons Restore Print Minimize Folder ☐ Maximize Save $\mathbf{VI}$ Label the various parts of MS Word 2016 window shown below VII Answer the following questions 1) Click on file tab and select close button or click on the close button on the title bar. 2) Click on start button and select Word 2016. 3) Click on the file tab on title bar. Click on the New option from the backstage view then select the blank document 4) Click on File tab. Select Save/Save as button. Now a save pane will appear in backstage click on the browse button type a name in the file name box, then click on the save button. ITG-III INTRODUCTION TO SCRATCH Fill in the Blanks I 1) Programming Language 2) Scratch 3) Sprite 4) View mode 5) Stamp П Match the Following point in direction 903 move 10 steps pen up Ш Name the Parts of the Scratch Window 1) Title bar 2) Menu bar 3) View mode 4) Green flag 5) Stop button 6) Black palette 7) Block menu 2) Green flag 3) Pen down IV**Multiple Choice Questions** 1) Title bar 4) Cat State whether True or False $\mathbf{V}$

1) Saratah is a multi

**Answer the Following** 

2) True

1) False

1) Scratch is a multimedia programming language used to create games, animated stories

4) True

5) True

3) False

VI

- 2) Presentation mode used when we want to present project on a full screen. View mode is used to switch between full stage view/ small stage view.
- 3) Script Area is the place to write step-wise instructions for Sprite to do a particular task. A Script consists o at least two blocks. The script is created by dragging instructions from the blocks palette and dropping them step wise on top of each other.

# ITG-III 7

### **ARTIFICIAL INTELLIGENCE**

#### I Fill in the blanks

- 1 ......jobs are tedious in nature. ans) Repeate
- 2 Mimic 3 Reasoning 4. Deep Blue 5. Adapt
- II Write T for True and F for False
- 1.T 2.F 3. T 4.T 5.F

#### III Find out the following



#### IV Match the following

1 Chess 2 Reduction of errors 3 No emotion 4. Humanoid Robot

### V Answer the following

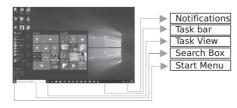
- 1 a. Handling repetitive job b. Reduction of errors
- 2 AI can Sense, AI can Act, AI can Reason and AI can Adapt.
- 3 Artificial Intelligence is the intelligence of machine that allows them to perform some tasks which require intelligence.
- 4 a AI -enabled machines incur heavy cost b. AI-enabled machine may kill job employments.

# ITG-IV

# **WINDOWS 10**

#### I True or False

- 1) True 2) True 3) True 4) True 5) False
- II Identify the images and fill the boxes



6) False

#### Ш Fill in the blanks

- 1) ...... system software is a key part of all computers.- Operating
- 3) Windows Kevs +S 2) Task bar
- 4) Task View
- 5) Cortana

#### IV Match the following



#### $\mathbf{V}$ Choose the correct answer

- 1) Personalize options
- 맘
- 3) Vin Key +C

#### VI Answer the following questions

- 1) Operating system software is a key part of all computers. It acts as a mediator between the user and computer.
- 2) Click start button from start menu another way to open start menu is pressing the windows key on the keyboard.
- 3) It is a voice activated personal digital assistant.

#### VII Match the tools and usages

1) Cortana 2) Task View 3) Open search box 4) Shut down 5) Screenshot

#### **ITG-IV** 2

### **MS WORD - EDITING FEATURES**

#### I Fill in the blanks

- 1) Editing 2) Keyboard 3) Enter key 4) Spacebar 5) Shift key 6) Tab key
- **Choose the correct option** II
  - 1) Delete
- 2) Caps lock key
- 3) Ctrl key
- 4) Copy
- 5) Editing

#### III Write what these tools do

- 1) Paste option
- 2) Cut option
- 3) Copy option
- 4) Undo
- 5) Redo 6) Find

#### IVWrite the following select text using mouse with keyboard

- 2) Double-click the word 1) Drag the mouse over the text 3) Press and hold the Ctrl key and press alphabetic key A 4) To press and hold the Shift key and press the left arrow key
- $\mathbf{V}$ Match the following keys and its uses
  - 1) Next stop 2) To move cursor to the next line 3) Bottom left and right corners of keyboard 4) Short for Alternate key 5) To allow a single capital letter
- VIAnswer the following
  - 1) Enter Key, Delete or Backspace Key, Caps Lock Key, Shift Key, Ctrl Key, Alt Key
  - 2)Click on copy option on home tab or Shortcut key for copy is Ctrl+C you can also choose

copy option by right clicking on the selected text and right click on the desired area.

- 3) Select the text, click on cut option on Home Tab. You can use Ctrl+x to cut.
- 4) Select the text Computer, click on Copy option on Home Tab, then click on Paste option on Home Tab.
- 5) Find option is used to find a particular word or text from a document. Replace option helps you to replace any existing word with a new document.

# **ITG-IV** 3

### **FORMATTING FEATURES**

#### I Fill in the blanks

- 1) Formatting 2) Paragraph
- 3) Font group
- 4) Line space
- 5) Shrink font

- 6) Grow font
- 7) Font group
- 8) Align right

#### П Identify the alignment option

- a) Align Left
- b) Center
- c) Align Right
- d) Justify

#### Ш Write shortcut key for the following

- 1) Ctrl+B
- 2) Ctrl+I
- 3) Ctrl+U
- 4) Ctrl+J
- 5) Ctrl+E
- 6) Ctrl+R

7) Ctrl+L 8) Ctrl+A

#### IV Match the following icons

- 1) Text effect
- 2) Font color
- 3) Text highlight color
- 4) Strikethrough

- 5) Change case 6) Center Alignment
- 7) Right alignment
- 8) Grow font

10) Line spacing 9) Shrink font

#### $\mathbf{V}$ Identify the following text effect

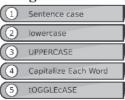
- 1) Underline
- 2) Superscript
- 3) Bold, font color
- 4)Uppercase

- 5) Text highlight
- 6) Italic
- 7) Strikethrough

#### VI Choose the correct answer

- 1) Adding new text 2) Strikethrough 3) Center align
- 4) Justify align
- 5) Left align

#### Match the following VII



3	THE	TRUTHFUL	WOODCUTTER	$\bigcup$
4	The	Truthful	Woodcutter	$\supset$
Q	The	truthful	woodcutter	$\supset$
3	tHE	tRUTHFUL	woodcutter	$\bigcup$
(2)	the	truthful woo	odcutter	

#### VIII Answer the following

- 1) To change the case of the existing text without retyping it by using change case option. To change the text case click the change case button from font group, and then click any change case you want.
- 2) Alignment means arranging words or documents in a more structured way. MS Word provides four options to align text: Left, Right, Center and Justify.

# ITG-IV 4

#### **MICROSOFT POWERPOINT 2016**

#### I Fill in the blanks

- 1) Slide 2) S
  - 2) Slide pane
- 3)F5
- 4) Ctrl+M
- 5) Ctrl+ Shift+D
- 6) Slides

#### II State whether True or False

- 1) False
- 2) False
- 3) True
- 4) False
- 5) True

# III Identify the following icons

- 1) Open
- 2) Start Button
- 3) Print
- 4) Save
- 5) New slide icon

### IV Name the following

- 1) Title
- 2) Quick Access Toolbar
- 3) Status bar
- 4) File
- 5) Slide

### V Match the following

- 1) To return to the previous view
- 2) To press the mouse button
- 3) To open a pop-up menu
- 4) To go to the next slide
- 5) To delete a slide

# VI Multiple choice Questions

- 1) Press ESC
- 2) Slides
- 3) Ctrl+S
- 4) Ctrl+O
- 5) F5 6) Ctrl+O

### VII Answer the following

- 1) A slide is a single page in a PowerPoint presentation.
- 2) To display a presentation by pressing slide show tab on the ribbon and click the from beginning button in the start slide show group.

# ITG-IV

5

### **MORE ON SCRATCH**

#### I Fill in the Blanks

- 1) Thumbnails
- 2) Costumes
- 3) Repeat
- 4) Graphics

5) Brightness

# II Multiple Choice Questions

- 1)
- forever
- 2) Grow
- 3) Sprite Header Pane
- 4)



### 5) 6) Mosaic State whether True or False

- 1) False
- 2) False
- 3) True
- 4) False
- 5) True
- 6) False

### IV Answer the Following

- 1) Script Tab is active by default. When you start a new project, the Script tab is automatically selected, displaying the Script area.
- 2) Sprite header pane includes information about the selected Sprite as well as a few tools for manipulating the Sprite. It shows a Sprite's name x-y position and direction.
- 3) Step 1: Double click on the Stage thumbnail in the Sprite List. A new screen with three tabs Scripts, Background and Sounds will appear.
  - Step 2: Click on Backgrounds tab.

Ш

- Step 3: Click on Import button. An Import Background dialog box appears.
- Step 4: Select the required image file from the selected folder.
- Step 5: Click on OK button. The Stage background will be changed.
- 4) The Looks Block Palette contains various blocks that control the appearance of Sprite. It also introduces the blocks that allow you either to show the Sprite on the stage or to make it disappear. For this purpose use the Show and Hide block respectively

# ITG-IV

### **APPLICATIONS OF COMPUTER**

#### I Fill in the blanks

- 1) Health Care 2) Education
- 3) Navigation System
- 4) Departmental Store

- 5) Transportation
- 6) Robot
- 7) Communication

#### II Answer in one word

- 1) Education, Transportation, Engineering Design, Business, Defense
- 2) Global positioning system
- 3) Yes
- 4) Yes
- 5) Automated Teller Machine

### III Match the following

- 1) Entertainment 2) Government sector 3) Engineering Design
- 4) Communication media 5) Science and Technology 6) Healthcare 7) Education

#### IV True or False

1) True 2) False 3) True 4) True 5) True 6) False

### V Find out following unscrambled words

1) Online 2) Healthcare 3) Robot 4) Defense 5) Surgery 6) Entertainment

# VI Identify the following fields

- 1) Government sector 2) Business 3) Engineering design 4) Video Conferencing
- 5) Science and Technology 6) Entertainment 7) Education 8) Transportation

### VII Who am I?

1) E-education 2) ATM 3) Robot 4) Mobile Banking

### VIII Answer the following

- 1) Computer lab changed the traditional method of teaching and learning there are many facilities in the education field are Computer based education, CBT, Online education Distant education, Online examination etc.
- 2) ATM Stands for Automated Teller Machine. Banks are using ATM's for facilitating their customers to withdraw their amount.
- 3) GPS stands for Global positioning system. It shows a map which will track our vehicles movement through satellite signals.
- 4) Computer keeps customer records and transfer money to other accounts and can pay their utility bill online using computer.

- 5) Computer have helped Doctors and administrative staff are using computers to mange patient history and stock of medicine etc. some other fields are lab diagnose, patient monitoring, pharma information and also use in surgery.
- 6) CBT stands for computer based training. It is a low cost solution for educating many skills to a large number of people in lesser time at their own place.

### IX Crosswords (Computer used in different fields)

A1) Defense A2) Space research

A3) Robot

A4) Marketing

D1) Online

D2) Health Care

D3) Entertainment

D4) Record

# ITG-IV 7

### HISTORY OF ARTIFICIAL INTELLIGENCE

#### I Fill in the blanks

- 1) Virtual assistant device. 2) Artificial Intelligence 3) Artificial Intelligence
- 4) John McCarthy 5) Internet of Things

#### II State whether True or False

- 1) True
- 2) True
- 3) True
- 4) False

### III Match the following

- 1) Alexa
- 2) Self-Driving
- 3) Urban Area
- 4) Internet of Things

### IV Identify the following image

Siri 🕙

Microsoft's Cortana

ı 🔘 Aı

Amazon Alexa

Google Assistant



# V Multiple Choice Questions

1. Siri 2. Autonomous 3. John McCarthy 4. Smart Home 5. Smart City 6. Alexa

### VI Find the words in the given grid

$\overline{}$	$\overline{}$	$\overline{}$	-	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$
	N	T	Е	R	N	Е	Т
W	C	D		R	D	С	Α
E	M	S		R		A	В
В	В	Н	R	В	C	A	C
S	C	Т	T	В	C		D
Ī	N	Т	U	R	N	E	T
T	C	Р	A	В	С	X	С
Т	Е	S	L	Α	D	A	С

### VII Answer the following

- 1) Artificial Intelligence can be defined as a branch of computer science that can simulate human intelligence.
- 2) The ways we communicate with our machines, and the ways our machines communicate with us like Siri on your iPhone, Google Assistant functioning on various mobile and smart home devices, Amazon Alexa used in Amazon Echo or Microsoft's Cortana.
- 3) Self-driving vehicles are cars or trucks in which human drivers are not required to take control to operate the vehicle safely.

- 4) Humans have brain, emotions and developing personal connections but machines capable of thinking or acting intelligent and also solve difficult problems and puzzles.
- 5) Internet of Things

# ITG-V 1

### **INSIDE A COMPUTER**

- I Fill in the Blanks
  - 1) Motherboard 2) RAM 3) Motherboard 4) SMPS 5) Video card 6) Modem
- II Match the following
  - 1) **Secondary storage Hard Disk** 2) Power supply 3) Software
  - 4) Digital Pathway 5) Centronics Interface
- III Choose the Correct Answer
  - 1) CPU 2) MP3 Player 3) Heat sink 4) Graphic Card
- IV True or False
  - 1) False 2) False 3) True 4) True 5) True
- V Answer the following
  - 1) Motherboard is the main circuit board which serves to connect all of parts of a computer together.
  - 2) It helps bring cool air into and blow hot air out of the case.
  - 3) RAM is known as Random Access Memory. It helps to store data until the machine is working.
  - 4) USB port stands for universal serial bus. It helps to connect USB devices each other and to transfer digital data.
  - 5) It allows the computer to send graphical information to a video display device such as a monitor.
  - 6) Physical parts of a computer are known as hardware. Eg. Monitor, keyboard, mouse etc.
  - 7) Micro processor is an integrated chip which accepts digital data as input, process it and provides the result as output.
  - 8) The parallel port is a 25 pin computer interface commonly used to connect printers with a computer.

# ITG-V 2

# **WINDOWS 10**

- I Fill in the blanks
  - 1) Operating system 2) File 3) List view 4) Folder view 5) Title view
  - 6) File Explorer 7) Sort by 8) File 9) Recycle bin
- II Multiple choice questions
  - 1) Run 2) Recycle Bin 3) calc 4) Move

#### Ш State whether True or False 1) F 2) F 3) F 4) F 5) T IV Identify the following 6 $\mathbf{V}$ Match the following 2) OSK 3) Write 4) Winword 5) cmd 1) calc 6) explorer VI Name the following icons Details View Recycle Bin Folder Large Icon VII Answer the following 1) The default style of a folder is a yellow box. These steps to change the style of a folder from the folder properties window. \* Right click on the folder you want to change. \* Select properties from the pop-up menu. \* Select the customize tab. \* Click on the change icon button from the bottom of window. \* Select a picture or browse from the window to change the folder style. \* Click OK button. 2) Extra large icons, Large Icon, Medium icon, Small icons are the options to view folder. 3) To copy a folder click on the file explorer button on the taskbar select the folder and click on copy button on home tab and display destination folder and press paste button. 4) To rename a folder click on the file explorer button on the taskbar. Select folder you want to rename. Click on rename button on home tab. Type new name and press Enter key. 5) You need to right click on the start button to get the run option. 6) Folder is a directory which contains files and folders. A file is a collection of data stored as unit and identified by a file name. ITG-V INTRODUCTION TO INTERNET 3 Match the following I 1) BSNL 2) Gmail.com 3) Google 4) Web browser 5) Website 6) ARPANET II Fill in the blanks 1) E-mail 2) URL 3) Internet 4) Search engine 5) Home page 6) Social Media III State True or False 4) False 7) False 1) True 2) True 3) False 5) True 6) True 8) True IV Answer the following

1) It is a collection of web pages. It provides information about persons, business, Institutes

- organizations etc
- 2) Microsoft Edge is a web browsing software for using internet. It is a part of Microsoft Windows 10 operating system.
- 3) It is a collection of Inter-connected pages that contains text, pictures, audio and movies. Its contains millions of websites with interlinked documents of information. A website name begins with www.
- 4) Electronic mail or e-mail is the most popular feature of the internet. It is used to send document, pictures and videos. It is very fast, easy and economical media for sending or receiving messages around the world.
- 5) Search engine is a computer program used to search information on web. Search engine helps us to search website, images audio and videos. It is also used to find information about people, places, business, organizations, institutions etc.
- 6) Web browser is an application software used to open websites. It helps you to view Web pages containing information, documents, images, audio and videos, animation movies etc. Some popular web browsers are: Internet Explorer, Google Chrome, Mozillla Firefox

#### $\mathbf{V}$ **Identify these Keys**

1) Attach File 2) Notification 4) Refresh 3) Delete button 5) Search **ITG-V INSERTING FEATURES** I Fill in the blanks 1) Shapes 2) Adjust group 3) Wrap text 4) Add-ins 6) Flip Horizontal 7) Symbol 5) Adjust group 8) Internet II

# Multiple choice questions

- 1) Illustrations 2)723) WordArt 4) Media
- III Match the following
  - 1) Illustrations 2) Text 3) Adjust 4) Arrange 5) Rotate
- True or False IV
  - 1) False 2) True 3) False 4) True 5) False

#### Answer the following $\mathbf{V}$

- 1) WordArt is a gallery of text styles that can be add to Microsoft Office 2016 documents to create decorative effects to the text.
- 2) Picture, Online Picture, Shapes, SmartArt, Chart, Screenshot.
- 3) Text fill, Text outline and Text effects.
- 4) Word makes Symbolavailable with in the Symbol drop down list in the Symbol Group in insert tab. If you click on More Symbols in drop down list you will get a Symbol window.
- 5) If you want to rotate or flip the selected object, click down arrow of rotate from Arrange group. Select desired option from the drop down list. You can also rotate an object to any

- angle with the help of the rotation handles (Round arrow that appears at the top of an selected shape).
- 6) Click on the Picture in the illustration group on the insert tab. Then select a picture that you want to insert from the insert picture window. Click on insert or double click on the picture.
- 7) Horizontal, Rotate all text 90° and Rotate all text 270°.
- 8) Click on Online pictures on Illustrations group on Insert tab. In search box, type the word that you want to search for an image and select an item and click on insert option.

#### ITG-V 5 **MICROSOFT POWERPOINT 2016**

#### Fill in the blanks

- 1) Power point
- 2) Home tab
- 3) Slides group 4) Home tab

- 5) Drawing group
  - 6) Slide
- 7) Shape outline button

#### П True or False

- 1) False
- 2) False
- 3) False
- 4) True
- 5) True

#### Match the following Ш

- 1) Different Layout
- 2) Reflection 3) Bring to front
- 4) Drawing group

#### IV Fill the following steps

- 1) Insert a new slide: Click new slide in slide group, you can see Different layouts, Select one layout.
- 2) To duplicate a slide: Select one slide, click new slide in slide group, select Duplicate slide from drop down.
- 3) To insert a shape: Click on Shape box in Drawing group, select a shape from drop down list, Drag the mouse where you want to insert shape on the slide.

#### IV Fill the crossword

- 1) Delete
- 2) Ouick style
- 3) Drawing
- 4) Slides
- 5) Font

#### $\mathbf{V}$ Answer the following

- 1) A Presentation is a collection of slides. Slides are individual pages that consist of titles, texts, graphics, clipart, videos, sounds, etc.
- 2) Clipboard, Slides, Font, Paragraph, Drawing, Editing.
- 3) Slide is an individual page of a presentation. It is the actual area where you can make a presentation. It is used to arrange the objects of a presentation.
- 4) To enter or edit the texts click on the text box in the slides.
- 5) You can fill the selected shape with gradient, follow the steps: Select the shape that you want to fill. → Click shape fill on the Drawing group. → Select the gradient option from the drop down list and select one gradient item.
- 6) You can duplicate a slide with content of an existing slide in a presentation. To duplicate

- a slide, follow the given steps: Select the slide that you want to duplicate. On the Home tab, click on the down arrow of the new slides in the slides group. Select duplicate slides from the drop down list. The duplicated slide is inserted directly below the selected slide.
- 7) Click the Start menu then select the PowerPoint 2016.
- 8) To insert new slides, follow the steps: Click on the arrow of New slide on Slides group. Here, you can see different layouts like title, title and content, comparison, Blank etc. click on any layout you prefer. A new slide with the selected layout will be inserted.

# ITG-V 6

### **MICROSOFT EXCEL 2016**

- I Multiple choice question
  - 1) Spreadsheet 2
    - 2) Cell
- 3) Tabular
- 4) Merge
- 5) File

- II Fill in the blanks
  - 1) MS Excel 2) Quickly and Easily 3) Blank 4) Home tab 5) A cell 6) Worksheet
- III True or False
  - 1) False
- 2) True
- 3) True
- 4) False
- 5) True

- IV Match the following
  - 1) To go First row 2) To go Last row 3) To go Last column 4) To go First column
- V Answer the following
  - 1)MS excel carry out complex arithmetic calculation and logical operations such as addition, multiplication, subtractions etc. It helps to easily generate reports and prepare graphs.
  - 2) Select the sheet, then Select Background option on the Page Setup group in Page Layout tab. Select a picture and click on Insert button.
  - 3) Merging cells means combining two or more adjacent cells into one cell.
  - 4) To change the row height, select entire row and right click on it. Select Row Height option from the popup menu. Enter a new size of row in the Row height box and click on OK button. You can also change the Row height by the directional arrow tool at the row heading margin.
  - 5) There are 1048576 rows and 16384 columns in a worksheet.
  - 6) Click on the new option from the file tab. Then, select new blank workbook.
  - 7) Select close option from the File tab.

# ITG-V

# **MORE ON SCRATCH**

- I Fill in the Blanks
  - 1) Pen
- 2) 480 and 360
- 3)Background
- 4) 0(Zero)

- 5) Sprite
- 6) Sprite Header Pane
- 7) 240 and 180
- 8) Flag

#### П State True or False

- 1) True
- 2) False
- 3) True
- 4) False
- 5) True

#### Ш Match the Following

- a) set x to 0
- b) next costume

#### IV **Multiple Choice Questions**

- 1)X
- 2) Vertical
- 3) White
- next background

#### VI **Answer the Following**

- 1) You can choose more than one background in a Scratch Project. All the backgrounds, displayed in background list available under Backgrounds tab. To add a new background, click on the stage icon and click Import button from Background tab. Select any new background from the Import folder.
- 2) Pen block instructions are used to draw a trail as the Sprite moves on the stage. Each pen colour has different shades that vary from the lightest to the darkest. The pen shade varies from 0 to 100. 0 is the darkest and 100 is the lightest shade.
- 3) There are three buttons in rotation style: Can rotate, Only face left-right and don't rotate.
- 4) To add a new sprite on the stage, open the scratch window. Remove the cat sprite by right clicking on it and selecting the delete option. Click on the Choose new sprite from file button. Select a new sprite from the folder in the new sprite dialog box.
- 5) A sprite can also be made to glide on the stage to a specific location. You have to specify the x and y location and the number of second using in the "glide secs to x: y:" block.
- 6) The Position of a Sprite can be set on the stage. The scratch stage is divided into x-y coordinates. At any time while creating the project, if you want to know exact location of the Sprite, you can select the check boxes of x position, y position and direction present at the end of the Motion block palette. The sprite's x: y: location and the direction will be displayed on the stage. The Scratch stage is 480 pixels wide and 360 pixels high. Each point on the stage is represented by two numbers. These numbers are called X and Y values. The middle of the stage has X coordinate of 0 and Y coordinate of 0. The X value determines the horizontal location of the Sprite and the Y value determines the vertical location or height.

# **ITG-V**

8

# **EVOLUTION OF ARTIFICIAL INTELLIGENCE**

#### I Multiple choice question

1. John McCarthy 2. Siri

3. Kismet

4. Google

5. Cortana

#### II Write T for True and F for False

1. F

3. F

4. F

5.T

2. F

#### Ш Match the following

1.Cortana

2.Google Assistant

3.Siri

4.Alexa

#### IVWrite name of the picture and year of Invention

- 1.Siri, 2011
- 2. Asimo, 2000
- 3.Roomba, 2002
- 4. Kismet, 1990

- 5. Google Home, 2016
- 6. Sophia, 2016

#### Answer the following $\mathbf{V}$

- 1. Artificial Intelligence (AI) is a wide ranging branch of computer science, concerned with building smart machines and programs, capable of performing tasks that typically require human intelligence.
- 2. Write a short note on Alexa.

ans: Alexa is the name of Amazon's personal digital assistant, which lets you use voice commands to control a compatible device for features like streaming music, news reports or even to turn on your smart lights.

- 3. ASIMO (Advanced Step in Innovative Mobility) is an artificial humanoid robot created by Honda in 2000. It is displayed in the Miraikan museum in Tokyo.
- 4. Spirit and Opportunity.

**ITG-VI** 

1) True

- 5. Sophia is a realistic humanoid robot capable of displaying human-like expressions and interacting with people.
- 6. Kinect for Xbox 360 is the first gaming device to track human body movement, using just a 3D camera and infra-red detection, enabling users to play their Xbox 360 wirelessly.

#### INTERNET COMMUNICATION Ι Match the following 1) Wall 3) 140 characters 5) Video call 2) Chat App 4) Weblog II **Identify the logos** 1) Instagram 2) Facebook 3) Hangout 4) WhatsApp 5) Twitter 6) skype 7) LinkedIn 8) Snapchat Ш Find out odd one 3) Twitter 1) Twitter 2) Blog IVFill in the Blanks 2) Mark Zuckerberg 4) 2009 1) Email 3) Instant Messengers 5) Video calling 6) Blog $\mathbf{V}$ **True or False**

3) True

#### 2) False VI Write the answer to the following questions

1) Email stands for electronic mail. Send and receive a letter through Internet are main advantage of Email.

4) False

5) True

6) True

- 2) Message, information, image, etc posted on twitter is called tweet.
- 3) The blog in the short term of the word weblog. It is a part of website with content written frequently and added in a chronological order.
- 4) Brain Acton and Jan Koum are the founders of Whatsapp.
- 5) It is a technology that integrates telephone service with computer networks.
- 6) The advantage of Social media are, they are active and are working together for social justice. they build lot of stars due to their individual performance. Politicians use them to convey their messages. Companies are using them to search candidate profile and previous history.

#### 2 **ITG-VI MORE ON WINDOWS 10** Fill in the blanks I 1) Internal 2) Microsoft Edge 3) Action Center 4) Windows Store 5) Personalization Settings 7) Snap Assist 6) Lock 8) Gmail 9) Burn 10) Windows II **Multiple choice questions** 4) Internet Explorer 1) Share 2)Internet 3) Maps 5) Personalization Ш State whether True or False 3) False 4) True 1) True 2) True IV Name the following icons 3) Microsoft Edge 4) Personalization Settings 1) Share 2) Windows store 5) Maps 6) Media Player Match the following $\mathbf{V}$ 1) To find landmarks 2) To transfer file over a network 3) To arrange windows screen 4)+ 5) Settings of background, Color, etc. VIIdentify the windows 1) Burn CD or DVD 2) Color 3) Action Center

### VII Answer the following

- 1) Share file are photos, documents and videos in windows 10. Files and folders can be shared with other users of your computer, or other devices on your network.
- 2) There are four ways to open Microsoft edge. to access it, you can choose any of the following methods. (a) Access the browser form start menu [Right pane]. Or open start menu, and then choose Microsoft edge in it.
  - (b) Open it via its icon on the taskbar. Click the Edge icon on the taskbar.
  - (c) Access the browser from the start menu [Left pane]. Open start menu, choose

- Microsoft Edge in it.
- (d) Open it by search box. Type edge in search box on the taskbar, and hit Microsoft Edge in the result.
- 3) Windows Store helps to browse many apps in windows 10 and to download free apps on your system.
- 4) You can install apps in windows 10, select windows store enter the name into the search box in the upper-right corner of the store. Then click on free button to instal free apps.
- 5) The easiest way to uninstall windows 10 app is to type the name of the app in the taskbar search. Once its icon is displayed in the search result, right-click on it and select uninstall.
- 6) To change the default look and feel of the desktop by pressing right click mouse button on the blank area of desktop select the personalize option, then click on the background tab to choose solid, colour or slide show to change the appearance.
- 7) Suppose, you want to make a shortcut key to open excel app easily access a program by keyboard, following the steps to make shortcut key.

Right click on the Excel icon and select Properties.

Enter a key combination in the Shortcut key field.

- The combination must be CTRL+ALT+ Shift a letter/num. Here we used the function key (F7). Click on the OK button
- 8) You can disable Snap Assist by simply toggling the arrange windows automatically by dragging them to the sides or corners of the screen option Off: Click on Start> Setting> System> Multitasking> Snap.
- 9) Cloud computing means storing and accessing data and programs over the internet instead of your computer's hard drive. They are safer and more accessible place for companies to store data than traditional computing methods. An example of a Cloud Computing provider is Google's Gmail.

# ITG-VI

# **FORMATTING IN MS WORD 2016**

#### I Fill in the blanks

3

1) Grow Font 2) Ascending or Descending

3) Clear formatting

4) Text 5) Column formatting

# II Multiple choice question

1) Spelling error 2) Esc

3) Indent 4) Shrink font

5) Insert

# III Identify the shortcuts

1) Shrink font 2) Clear formatting 3) Superscript 4) Grow font 5) Change Case

# IV Match the following

1) Home tab 2) Review tab 3) Layout tab 4) Insert 5) Save As-File

#### V State whether True or false

- 1) False 2) True 3) False 4) False 5) True
- VI Answer the following
  - 1) Change Case option is used to change the case of a text. It includes Uppercase, Lowercase, Sentence Case, Capitalise Each Word and Toggle Case.
  - 2) Clear Formatting is used to clear all formatting text and return to its default formatting style.
  - 3) Click on Footer drop down arrow on Header and Footer group in Insert tab. Select a Footer option from the drop down list. Now footer is inserted at bottom of the document.
  - 4) Sort option is used to arrange texts in ascending or descending order. This feature can be particularly helpful for sorting bibliographies, glossary entries, list of names etc.
  - 5) Multilevel list option means to add bullets or numbers for sub items in a list.
  - 6) Drop cap option is used to create a large dropped initial capital letter on the beginning of a paragraph.
  - 7) Click on Page Number option from the drop down list on the Header and Footer group in the Insert tab. select a page number option from the drop down list. Then, page number is inserted in the document.

# ITG-VI 4

### **MS POWERPOINT 2016**

- I Name the group
  - 1) Master view 2) Advanced animation group
- 3) Setup group

- II Fill in the blanks
  - 1) Animation 2) Slide sorter 3) Normal view 4) Pointer option 5) Outline view
- III Multiple choice question
  - 1) Custom slide show 2) Pointer option 3) F5 4) Ctrl+A 5) Notes page
- IV True or False
  - 1) False 2) True
- 3) False
- 4) False
- 5) False

- V Match the following
  - 1) Start Slide Show 2) Master View 3) Presentation Views 4) Animation 5) Slides
- VI Answer the following
  - 1) While showing your PowerPoint slide show, you can use both keyboard and the mouse to control your presentation. You can control by right clicking on the screen and selecting relevant option from the popup menu. Next, previous, see all slides, Pointer option and End Show are the important slide show control options.
  - 2) This is an animation effect used to move an object or text in a specified path.
  - 3) Text can be animate in different ways in the presentation. Select text, from animation tab, click on the more button in animation group. Then you see various type of animation

effects in drop list. Click on the split animation effect - Select vertical option in open from animation pane- Select applause from sound box- Select by letter from the animation text then click ok button.

- 4) Normal view, Outline View, Slide Sorter view, Notes Page view, Reading view, Master views: Slide, Handout and Notes.
- 5) Hide slide option is used for hiding selected slides from the presentation.
- 6)Outline view is used to create an outline or story board for your presentation. It displays only the text on your slides, not graphical items in the thumbnail tab.

  Note Page view allows to make notes under the slide without affecting presentation in Slide show.
- 7) Timing option from animation pane drop down list is used for deciding how the text or other object should appear in a presentation. You also set the speed of your animation from the duration drop down list under Timing tab.

			duration drop de	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
(IT	G-VI	5		MORE ON N	NCROSOFT E	EXCEL 2016
I	Cho	ose the	e correct Answe	er		
	1) M	IS Exc	el 2) A	lignment	3) Norma	l View 4) Auto Fill
II	Mat	ch the	following			
	1) F	ont	2) View	3) Text Rot	tation 4)	Sigma Sign 5) Cells group
III	Fill	in the	blanks			
	1) W	orksh	eet 2) A	autoSum	3) Autofil	1 4) Ascending or Descending
	5) C	ell ori	entation 6) P	age layout view	W	
IV	Stat	e whet	ther True or Fa	lse		
	1) F	alse	2) False	3) True	4) False	5) True
$\mathbf{V}$	Ans	wer th	e Following			
	1) Fo	ont, Fo	nt size, Bold, Ita	lic, Under line,	Border, Fill co	olor and Font color
	2) N	ormal	view, Page La	ayout view,	Page Break Pro	eview, Custom View
	3) So	orting 1	means arranging	data in ascendi	ng or descend	ing order.
	4) Tl	his opti	ion helps you to s	see or print a sp	ecified area in	your workbook.
(11	rg-VI	6		PROGRAMA	NING CONCI	EPTS
ı	Filli	in the l	olanks			
				Stop 4) Recta	angle 5) Flov	v 6) Pseudocode
II		•	following	r ,	<i>5 ,</i>	,
	1)	<b>≒</b> ↓↓	O	Language 3) P	rictorial repres	entation 4)

III	State when	ther True or Fa	lse							
	1) True	2) True	3) True	4) True	5) False					
IV	Multiple c	hoice question								
	1) b 2)	(c 3)a 4	c 5) c 6)	С						
$\mathbf{V}$	Answer th	e following qu	estions							
	1) A flowel	nart is a step by p	process to solve	a problem in a p	ictorial from.					
	2) Oval - S	tart/Stop box is	used to represer	nt starting and en	ding of a flowch	art				
	Parallelogram-Input/Output box is used to read and print any data.									
	Rectang	le-Processing b	ox is used for ca	lculation.						
	3) An algorithm is a step-by-step process of solving any problem. It is the first step of									
	develop	ing program.								
	4) A progra	ım is a set of ins	ructions that ma	akes the compute	er work. There ar	re some				
	common	high-levellan	guages are BAS	IC, QBASIC, L	OGO, C, C++, JA	AVA etc				
IT	G-VI 7		STARTING V	VITH PYTHON						
	Fill in the	hlanka								
1	1) Compile		ny 2)(	`trl⊥D Ctrl⊥O o	artuno quit()	4)>>>				
II	, <u> </u>	er 2). t <b>her True or Fa</b>		Ctrl+D, Ctrl+Q o	if type quit()	4)///				
11	1) True	2) False	3) False	4) True	5) False					
III		e Following	3) Paise	4) 11ue	3) Taise					
111		9	al ganaral nurr	oce programm	ina languaga er	reated by Guido				
		•	blicly released i		ing language ci	cated by Guido				
		is Keyword?	officity refeased i	11 1 9 9 1 .						
		•	ord which have	fived meaning	and these mean	ing cannot be				
		•	3 keywords in p	_	and these mean	ing cannot be				
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			rn							
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### **III** Multiple Choice Questions

- 1) a
- 2)c
- 3)a

### IV Match the Following

1)Love drawing and painting 2) Fast problem solving 3) Thoughts about human existence 4) Likes singing 5) Enjoy gardening

### V Answer the Following

- 1) Intelligence refers to the ability to think, to learn from previous experience, to solve complex problems and to adapt new things and environment.
- 2) Logical-Mathematical Intelligence people possess the following characteristics. They are analyzing problems. Analyzing mathematical operation, fast problem solving, Likes thinking about abstract ideas, love conducting scientific experiments and solve complex computations easily.
- 3) Naturalistic Intelligence people have good relationship with nature. They enjoying activities like camping, gardening, hiking and exploring outdoors. They are also interest in exploring the environment and learning about other species.
- 4) A rule-based system uses rules as knowledge representation. These rules are coded in the system in the form of if-then-else statements which help computer in taking decisions. A computer that achieves AI through a machine learning technique is called a learning-based approach. This type of approach facilitates acquisition of new knowledge.
- 5) Intra-personal Intelligence people posses strength in introspection and self reflection.

  Understanding ones own strengths and weaknesses. Enjoys analysing theories and ideas.

### ITG-VII

1

### INFORMATIVE INTERNET

#### Fill in the blanks

- 1) GPS 2) Home page
- 3) Layout
- 4) View in different angles
- 5) Show Imagery

# II Match the following

1) Street view

- 2) Popular online encyclopedia
- 3) Sky view

- 4) Current location determiner
- 5) Bottom part of a website

# III Arrange the order of map searching to know distance between two places

- (1)C
- (2)B
- (3)D
- (4)A
- (5)E

### IV Choose the answer

- 1) Header
- 2) Flipkart
- 3) Layout
- 4) Cash on Delivery

# V Tick logo related with E-commerce









#### VI True or false

- 1) True
- 2) False
- 3) True
- 4) True

### VII Answer the following questions

- 1) Home page, Header, Navigation bar, Content, Footer, Layout
- 2) Jimmy Wales and Larry Sanger are founders of Wikipedia, launched on January 15, 2001
- 3) Google map is a web mapping service application and technology provided by Google, that powers many web based services. It is used to find street maps, a route planner for traveling by foot, car, bike or using public transport.
- 4) Buying or Selling of products via electronic means such as Internet or other electronic services.
- 5) Global Positioning System

# ITG-VII

2

### INTRODUCTION TO HTML

#### I Fill in the blanks

- 1) <BODY TEXT= "color"
- 2) Text, Image, Hyperlink, etc.
- 3) <TITLE>

- 4) <BR>
- 5) Web
- 6) Hyper Text Markup Language
- II Choose the correct answer
  - 1) WWW 2) HTML
- 3) tags
- 4) Container tag
- 5) <HR>
- 6)<TITLE>

- III Find out the odd one
  - 1) <PRE>
- 2) TEXT
- 3) <HR>
- IV Match the following
  - 1) Bold
- 2) Superscript
- 3) Strike
- 4) Subscript
- 5) Paragraph

# V Answer the following

- 1) HTML is a simple scripting language to create a web page.
- 2) A tag is an HTML command that indicates the layout or display of whole or a part of a web page. It always begins with a '<' (less than) sign and ends with a '>' (greater than) sign. For example: <Body> <Head> and <H1>. Tags are two types: Container and Empty
- 3) Attributes are additional parameters that tell how to display HTML elements. Attribute appears as an attribute name followed by an equal to (=) sign and then its value.
- 4) Image tag is used to insert an image to enhance the look and feel of a web page Syntax: <IMG SRC="image name" ALIGN="value" BORDER="value">

### **ITG-VII**

3

# **TABLE IN MS WORD**

# I Multiple choice question

- 1) Row
- 2) Draw
- 3) Cell Alignment
- 4) ALT+Home

- II State whether True or False
  - 1) False
- 2) False
- 3) True
- 4) False
- 5) True

#### III Match the following

- 1) Merge Group
- 2) Draw group
- 3) Data group
- 4) Borders

#### IV Fill in the blanks

1) Merge cell 2) Table

3) Cell 4) Split

5) Alphabetical or Numerical

## V Write the steps of followings

To Insert a Row:- Click on the cell-Click on insert option of the rows and columns group. To convert Text to Cell:- Select the text - Click on convert text to table option tables group from insert tab- select tabs- separate text- convert text to table Enter 'number' in the number of columns box and OK.

To Split Cells:- Select the Row-Click on Split cell option from merge group.- Enter 1 in Number of Column field and 2 in Number of Rows field and click on OK button

### VI Answer the following

- 1) A table is an arrangement of text in the form of rows and columns. It uses for presenting information, in a tabular form such as calendars, progress reports and graph etc.
- 2) Inserting rows and columns, Merging cells, Aligning text in cells and tables Deleting rows and columns, Splitting tale and cells, Formatting table
- 3) Cell Alignment is used to arrange the text in a cell more attractively. To apply cell alignment, select the cell and select any option from Alignment group.
- 4) Sort option helps us to arrange texts in Alphabetical or Numerical order.
- 5) We can use Shading option in Design tab is use to apply background colour to the table.
- 6) Select the cell and click Split Table option from the Merge group.
- 7)To draw borders to the table, click Draw Table option in Draw group or Borders in Borders group on the Design tab. When you select Draw Table, a pen appears on mouse pointer. Use this pen and draw borders.
- 8) Select the cell and click on the Insert Above option on Rows & Columns group.

# ITG-VII 4

# **MORE ON EXCEL**

### I Fill in the blanks

- 1) Workbook 2) Home tab
- 3) Unmerge cells
- 4) Column 5) Ctrl+;
- 8) Data validation

# II Multiple choice question

- 1) AutoFill
- 2) Merging 3) Three
- 4) Relational
- 5) Data 6) Review

# III State whether True or False

6) Ascending, Auto fill

- 1) False
- 2) True
- 3) False

7) Cell pointer

- 4) False
- 5) True
- 6) True

# IV Match the following

- 1)<=
- 2)&
- 3) OR
- 4) Paste
- 5) Worksheet

## V Write the use of following shortcut keys

- 1) To select entire row 2) Navigation sheet upward 3) Navigation sheet downward
- 4) To insert time 5) To insert current date

#### VI Answer the following

- 1) To select a single column, click on the column heading at the top of the column. To select a single row, click on the row heading.
- 2) Merging cells means combining two or more adjacent cells into a single cell. Some other merge option are: Unmerge Cells: It is used to remove merging effect.
  Merge Across: It is used to merge the cells across only. Merge & Center: It is used to merge the cell with the contents aligned to center.
- 3) All expressions are evaluated from left to right. When two or more arithmetic operators are used in an expression. B- Brackets, O- Of, DM-Division and Multiplication, AS-Addition and Subtraction
- 4) Auto Fill is the easiest method to fill data in cells automatically. It is used to fill a series of numbers, number and text combination and dates or time periods based on a pattern. Flash fill feature that fills the data in cells by picking up the pattern set.
- 5)(A) G20 (B) H50
- 6) Text Formula, Numeric Formula, Logical Formula
- 7) Spreadsheet contains data and information arranged in rows and columns. It is also called worksheets. A workbook is made up of one or more worksheet. Default 3 worksheets in a workbook.

#### **ITG-VII** 5 CONDITIONAL FORMATTING Fill in the blanks I 1) Data bars 4) Treemap chart 2) Gridlines 3) Chart 5) Sunbrust chart II Multiple choice question 4) Sunburst 2) Waterfall 1) Legend 3) Design State whether True or False Ш 1) False 2) True 3) True 4) True 5) False 6) True IV Match the following c) Column chart b) Visual guides a) Design tab d) Insert tab $\mathbf{V}$ Fill the crossword 1) Sunburst 2) Pareto 3) Waterfall 4) Histogram 5) Treemap VIName the following option in the conditional formatting button 1) Colour scale 2) Data bars 3) Icons sets 4) Top/Bottom rules VII Answer the following

1) It is used to format selected cell or cells that meet a specific condition based on values or

- formulas which you specify. It helps to highlight a unique cell or range of cells, emphasise unusual values, visualise data by using data bars, colour scale and icon sets.
- 2) Color Scale are visual guides that help us understand data distribution and variation. It helps to compare the range of cells by using a gradation of two or more colours.
- 3) Select the cell in the table-Click on the insert tab-click on any chart option in chart group.
- 4) A waterfall chart is also known as an Excel bridge chart since the floating columns make a so called bridge connecting the end points. Treemap this chart displays hierarchically structured data.
- 5) Click on Conditional Formatting button and point to Data Bars. Then select relevant data bars from the list then you can see the data bar increasing from one to ten numbers.
- 6) To clear all conditional formatting from the entire sheet, select Clear Rules from Entire sheet option from the Clear Rules drop down list of Conditional Formatting.
- 7) Format highest / lowest values in a range of cells based on a cut off value that you specify.
- 8) Sunburst chart is a pie chart that shows relational data sets. The inner rings of the chart relate to the outer rings. A Pareto chart contains both bars and a line graph.

# ITG-VII 6 FUNCTIONS IN MS EXCEL

#### I Fill in the blanks

- 1) Complex
- 2) = (equal)
- 3) SQRT(number)
- 4) Logical

5) Cell

6) Mathematical

#### II State whether True or False

- 1) False
- 2) True
- 3) True
- 4) True
- 5) True 6) True

# III Multiple choice questions

- 1) Max() 2) MIN
- 3) Which function returns result of a number raised to power-**POWER** 4) COUNTIF

# IV Match the following

- 1) Number of cells within a range.
- 2) Add values in a specified criteria.
- 3) Check more than one condition.
- 4) To find length of a string.
- 5) To find factorial of a number

# V Answer the following

- 1) The values inside the bracket in a formula are called Arguments. It can be numbers, texts, logical value, array or cell references.
  - 1. Constants as arguments 2. Cell or Ranges as arguments 3. Functions as arguments
- 2) POWER function returns the result of a number raised to a power. Examples:= POWER (30,2) returns 900.

- 3) A valid function should be in sequential order. A set of rules for doing something is an orderly manner is called Syntax.
- 4) MAX function returns the highest number in the selected range.

Example:= MAX (B2:B6) returns 96

MIN function returns the smallest in the selected range.

Example: = MIN (B2:B6) returns 20

- 5) Date and Time functions are used to display the date or time in a cell. It can also make some calculations. Example: To know the date after fifty days from the current date, type the formula as: =Today ()+50.
- 6) SUMIF function adds the values in cells specified by a given condition or criteria. The main advantage of this function is, it can add the number that meets the given condition or you can make the sum range of cells or a column with respect to the data in another column.
- 7) LEFT It returns the first character or characters in a text string, based on the number of characters that you specify. Example:= LEFT("GOOD LUCK",2) returns "GO".
- 8) COUNTIF function counts the number of cells within a range that meet a given condition. Syntax: = COUNTIF (range, criteria) the following function is used to check number of students earning marks above 160.

# ITG-VII

### **MORE ON PYTHON**

Fill in the blanks1) Type()

2) Constants

3) Input()

#### II Answer the Following

7

1) Constants are variables whose values do not change during the lifetime of the program. Unlike languages like C or Java; Python doesn't have a special syntax to create constants. We have created constants just like ordinary variables. However, to separate them from an ordinary variable, we use all uppercase letters.

```
>>>
>>> MY_CONST = 100 # a constant
>>>
```

You are even allowed to change the value of MY\_CONST constant by assigning new value to it as follows:

```
>>>
>>> MY_CONST="new value"
```

2) Escape sequences are set of special characters used to print characters which can't be typed directly using the keyboard. Each escape sequences starts with a backlash character. The following are some common escape sequences.

\n :- Newline

\':- Single quote

\b:-ASCII Backspace

\t:- Tab \":- Double quote \f:- ASCII Form feed \\:- Backslash \a:- ASCII Bell \r:- ASCII Carriage Return \v:- ASCII Vertical Tab

- 3) The following base data types are used in python.
  - a) Integer: -12,-999,0,3434, etc b) Real numbers: -4.5,-25.4211,0.00003 etc
  - c) Characters:- 'hello', '100', '\$##\$', etc
- 4) 1 Can be of any size.
  - 2 Have allowed characters, which are a-z, A-Z, 0-9 and underscore ( )
  - 3 Should begin with an alphabet or underscore. 4 Should not be a keyword.
- 5) print('1\n1\t2\n') print('1\t2\t3\n') print('1\t2\t3\t4\n') print('1\t2\t3\t4\t4\n')

# ITG-VII 8 FUTURE OF ARTIFICIAL INTELLIGENCE

#### I Fill in the blanks

- 1. Security breaches 2. First wave of AI 3. Machine learning 4. AI
- 5. Third wave 6. Self driving Car
- II Write T for True and F for False 1. T 2. T 3. T 4. T 5. T 6. F
- **III** Multiple Choice Question
  - 1. Second 2. Traffic management 3. First 4. Intelligent security
- IV Answer the following
  - 1. In intelligent security is a system in which you can configure central automation system to take necessary actions instantly. You will receive instant alerts in case of security breaches Whereas in safety and security AI enabled CCTV help in building surveillance system to keep a check on potential criminal incidents and security of the residents.
  - 2. Smart highways gives SMS alerts on traffic and medical information in case of medical emergencies and requirements. No red lights, no parking troubles, sound and air pollution free environments are some of the other important features of smart highways.
  - 3. AI enabled homes will let us turn on our lights, play favourite music or change our room temperature, by tapping the app on our Smartphones. We can have our coffee ready when we wake up, automatically turn on and off AC's, lights, fans etc.
  - 4. Safety and security, Automated transportation.
  - 5. The first wave of AI, are machines that follow rules defined by a man, which involves expert system such as chatbots. The second wave of AI based on machine learning, which included the systems that were designed to learn and perceive. The third wave of AI is contextual adaption. It had system that receive, understand and process applications without human intervention.

# ITG-VIII

1

#### **NETWORK AND SECURITY**

I	Fill	in	the	hl	anks
	1 111		unc	$\mathbf{v}$	CILLED

- 1) Internet 2) Network protocol
- 3) Wired
- 4) Malicious software

- 5) LAN
- 6) WannaCry

#### II State whether True or False

- 1) False
- 2) True
- 3) True
- 4) True
- 5) False

### III Match the following

- 1) US Defense
- 2) Antivirus
- 3) CAN
- 4) FTP
- 5) Malware

### IV Expand the following

- 1) Hyper Text Markup Language
- 2) Hyper Text Transfer Protocol

- 3) File Transfer Protocol
- 4) Wide Area Network
- 5) Local Area Network

# V Fill the Pyramid

- 1) Intranet
- 2) ARPANET
- 3) Norton
- 4) Virus
- 5) Worm
- 6) LAN

#### VI Identify the following networks

- 1) Personal Area Network 2) Local Area Network 3) Wide Area Network
- 4) Metropolitan Area Network 5) Campus Area Network

#### VII Who am I?

- `1) Intranet
- 2) Extranet
- 3) Internet
- 4) WannaCry

# VIII Answer the following

- 1) A computer network is a group of interconnected computers through cables, telephone lines, radio waves, satellites or infrared light beams.
- 2)File Transfer Protocol is used to transfer a file from one system to another, under the command of FTP user.
- 3)Local Area Network (LAN) is a computer network covering a small physical area such as home, office, school, airport, hospital etc.
  - Wide Area Network (WAN) spans a wide geographical area such as cities, countries, continents or even the whole of the world. WANs may transmit data over high-speed phone lines or wireless links such as satellites to cover long distance. The world's most popular WAN is the Internet.
- 4) Internet is a global communication accessed through the web.

  Intranet is the shared content accessed by members within a single organization.
- 5) Malware is short form of malicious software. It is a type of destructive software program that can reproduce itself and spread from one computer to another. It becomes installed on a computer without the knowledge of the person using computer. Malware includes computer viruses, worms, Trojan horses, Spyware, Adware and other malicious software.

- 6) Network protocol is a set of rules which is used by computers to communicate with each other across a network. Some protocols used in networks are:TCP/IP, HTTP, FTP
- 7) One of the largest cyberattacks ever is currently eating the web, hitting PCs in countries and businesses around the world. It was attacked certain systems on May 2017 world wide cyberattack by the WannaCray ransomware cryptoworm.

# ITG-VIII 2

## **MORE ON HTML**

#### I Fill in the blanks

- 1) <A>
- 2) ..... tag is used to design frame. <FRAME>
- 3) Nested list
- 4) <TH>
- 5) BORDERCOLORLIGHT 6) Rowspan
  - pan 7) Table

- 8) Colspan
- 9) Hyperlink
- 10) Forms

### II Match the following

- 1) <LI>
- 2) <OL>
- 3) < DL >
- 4) <TD>
- 5) <TR>
- 6) < A >

7) Email linking

### III Write the Syntax of the following tags

- 1) Form tag: <form> ......</form>
- 2) Hyperlink : <a>.....</a>
- 3)Anchor tag : <a href="url" text> </a>
- 4) colspan :
- 5) Frame tag : <frame src = "html">
- IV True or False 1) False 2) True 3) False 4) False 5) False 6) False 7) True 8) True

# V Tick the correct option

- 1) Bordercolor
- 2) <OL> 3) Hyperlinks
- 4) <BR>
- 5) Cellspacing

# VI Write the HTML commands for the following

- 1) <TABLE BORDER=BGCOLOR=BLUE CELLPADDING = 4>
- 2) <UL TYPE= "SQUARE">
- 3) <TH ALIGN = "center"> month
- 4) To create a colspan of 3 with bgcolor red and center align-<TD colspan= 3 bgcolor="red" align="center">......</TD>
- 5) <a href = "https://accounts.google.com" </a>
- 6) <input type = "checkbox" name = "toon" value = "Bug"> Bug <TEXTAREA rows = 20 cols = 40>....</TEXTAREA>

# VII Answer the following

- 1) List are used to group related pieces of information together. There are three different types of list, they are
- \* <UL>- Unordered list: An unordered list is used when the items are to be displayed in any particular sequence.
- \* <OL> Ordered list: Ordered list specifies items in sequential, numerical order.
- \* <DL> Definition list: A definition list is a list of items, with a description of each item.
- 2) <TH> The <TH> tag defines a header cell in an HTML table.

- <TD> The <TD> tag stands for table cell. It defines a standard cell in a HTML table
- 3) COLSPAN: Table cells can span across more than one column or row. The attribute COLSPAN specifies width of the cell in terms of number of columns used when a cell occupies more than one column.

ROWSPAN sets how many rows a cell spans. The ROWSPAN attribute specifies the number of rows a cell should span. It decides the height of the cell in terms of number of rows used when a cell occupies more than one row.

- 4) Forms are used to accept input from a user. It includes checkbox, radio button, list etc.
- 5) Frames allow you to have multiple sections of the browser window.
- 6) External linking, Internal linking, **Email linking**

#### ITG-VIII 3

## MORE TAGS ON HTML

- Fill in the blanks
  - 4) Scrollbars 1) SRC 2) HSPACE 3) MARGINHEIGHT 5) FRAMESET
- П Answer the following
  - 1) Align=Top Align the text to the left or right top corner of the image. Align=Middle - Align the text to the left or right middle part of the image. Align=Left - Align the image to the left margin.
  - 2) Frame tag is used to display more than one web page in the same browser window even webpages from other web sites.
  - 3) Marginheight It specifies top and bottom margins of the content of the frame in pixels. Marginwidth - It specifies the width between the content and left and right sides of the frame in pixels.

Scrolling - It specifies the window can have scrollbars or not, by setting the values as Yes, No, Auto.

# **ITG-VIII**

## INTRODUCTION TO MS ACCESS

- Fill in the blanks I
  - 1) Data 2) Database

7) Id

- 3) ab.accdb 4) Records
- 5) Fields

6) Table 1

- 8) Primary key
- 9) Short text 10) Design
- II Write the example for Data types 1) Address 2) Phone number 3) Rupees 4) DOB
- Ш State whether True or False
  - 2) False 3) True 4) True 5) False 6) True 1) True 7) True 8) False
- IV Multiple choice question 1) RDBMS 2) Design View 3) 255 4) Long Text 5) Save Time
- $\mathbf{V}$ Match the following
  - 1) Create a new record
- 2) Save record
- 3) Delete record

- 4) Descending order
- 5) Datasheet View

#### $\mathbf{VI}$ Fill the Crossword 1) Tables 2) Fields 3) Reports 4) Query

#### VII Answer the following

- 1) A database is an organized collection of related data so that it can be easily accessed. managed and updated. MS Access, Oracle and SQL.
- 2) Primary key is a field or combination of fields that uniquely identifies records in a table.
- 3) Select any record that needs to be deleted then click on drop down arrow of Delete option in the record group in Home tab. Select Delete Record.
- 4) Short Text, Long Text, Number, Currency, Date/Time, Auto Number, Yes/No, Hyperlink, Memo.

Long Text: This data type allows to store lengthy texts, that is up to 65536 characters. Hyperlink: Text and numbers stored as text and used as a hyperlink address.

- 5) A record consists fields. Where as Data organized in columns of a table is called Fields
- 6) Save Time, Save Money, Avoid Data Redundancy, Data Security

#### Write one word questions about Data Type VIII

- 2) Primary Key 3) Yes/No 4) Short Text 5) Currency 1) Memo 6) Number
- IX Find out the following 1) 5 2) 3 3) OrderList. accdb 4) Currency 5) Datasheet view
- Identify the following  $\mathbf{X}$ 
  - 1) Object Tab
- 2) Field Grid Pane
- 3)255
- 4) Field Properties Pane

1) Primary Key 2) Tools Group

#### **ITG-VIII** 5

# **MORE ON MS ACCESS**

#### I Fill in the blanks

1) Or

Ш

- 2) Layout
- 3) Show
- 4) A query
- 5) Sort
- 6) Form

- 7) Header/Footer
- 8) Oueries

**State True or False** 1) False

- II Match the following
  - 1) Report View
- 2) Print View
- 3) Layout View

3) True 4) True

4) Design View

- 5) Show Table
- 6) Run

- 7) Report
- 8) Form

5) False

- IV Identify the following
  - 1) Field List pane
- 2) Report
- 3) Design grid

2) True

- 4) Print Preview
- 5) Run

6) False

 $\mathbf{V}$ Mark the following part of the Query windows



### VI Answer the following

- 1) A form is a database object that you can use to enter, edit, or display data from table. There are three view: Form View, Layout View, Design View.
- 2) A report is a database object that is used to organize and display data pulled from table or queries. Report is an effective way to organize and summarize data for viewing /printing.
- 3) Click the down arrow under View option in View group on the Home tab or Design tab. Click on the Print Preview tab. The report is displayed in the manner in which it would appear on a page.
  - Choose appropriate values for Page Size, Margin and Orientation from the Ribbon. Click on the Print command to print the report, then click Close Print Preview.
- 4) Query window is divided into two panes. Top and Bottom. The top pane display the tables selected for the query. Bottom pane displays a design grid where you can add field to query and also specify the criteria. The design grid contains Field, Table, Sort, Show, or and Criteria
- 5) Report View, Print Preview, Layout View, Design View
- 6) To create a Form, select a table in the Navigation Pane that you want to use as data source for the form and follow the given steps: Click the Create tab on the ribbon. Select the Form in the Forms group. A form is created and it opens in the Layout View. There are three new tabs: Design, Arrange and Format appear in the Ribbon and then save the Form.

# ITG-VIII 6 CHART WITH REPORT

#### I Fill in the blanks

1)Chart 2)Create 3)Legend 4)Layout 5)Control 6)Menu bar 7)External data 8)Outline

## II Match the following

1) Controls 2) Report Wizard 3) Landscape 4) External Data 5) Blank Report

# III Write the name of Group/Tab

1) Export 2) Create 3) Controls 4) Reports 5) Reports

IV State True or False 1) False 2) False 3) True 4) False 5) True

# V Answer the following

- 1) A chart is a graphical representation of data. There are two basic part: body and legend.
- 2) To modify group/sort in an existing report, to select a particular field for grouping click the arrow for change the order then select any field for sort click it in the ascending or descending order.
- 3) There are three layout in a report. 1) Stepped, 2) Block, 3) Outline
- 4) Open the table Office \_Address \_ List and click on the Word tool on Export Group in External Data tab.

The Export-RTF file dialog box appears on the screen. Click OK. Select the location to save and type the Word file name in textbox. Click Close.

ITG-VIII 7		ADOBE PHOTOSHOP									
ı	Filli	in the	blanks								
	1) Thomas and John Knoll			Cnoll	2) Tools panel			3) Panels 4) Resolutio			
	5) Warping 6) Eye				7) Marquee			8) Shift +	- Ctrl+ N		
	9) Color Replacement				10) Sponge						
II	Iden	tify tl	ne followin	g tools							
	1) Create New folder			2) Mag	gnify tool		3) Magic v		t tool 4	1) Pen tool	
	5) C	rop to	ol	6) Art J	History	Brush	7) (	Colour Re	placeme	nt 8	3) Brush tool
III	Expand the following abbreviations										
	1) Photoshop Document					2) Joint Photographic Expert Group					
	3) Graphic Inter Change Format 4) Cyan, Magenta, Yellow, Key (Black)								<b>(</b> )		
	5) Red, Green, Blue					6) Tagged Image File Format					
IV	Choose the correct answer										
	1) M	arque	e	2) Type	2	3) Cro	)	4) psc	l	5) Ctrl +	D
	6) Sp	oot He	aling	7) Clon	ne stamp		8) N	Magnify	9) 💯	1	(10) Linear
$\mathbf{V}$	State	e whet	ther True o	r False	1) False	2) T	rue	3) False	4) False	5) True	6) True
VI	Cros	Crossword for the following tools									
	Acro	oss:-	1) Lass	0	2) Pen		3) E	Brush	4) Mag	gic Wand	
	Dow	/n:-	1) Dodge		2) Layers		3)(	Crop	4) Move		
VII	Loo	Look at the picture given here and answer the questions that follow									
	1) La	asso to	ol 2) Era	ser tool	3) Cc	lor Rep	olace	ement tool	4) Lay	er	
VIII	Ansv	wer th	e following								
	1)A	1) A user-friendly interface, Advanced image adjustments, Edit motion based material,									

- Produce multiple or complex images, Create graphics with reduced file size.
- 2) Marquee Tool, Lasso Tool, Move tool, Quick Selection Tool
- 3) It provides options related to the tool currently selected in the Tools panel. For example, to choose the thickness of the Brush Tool selected in the Tools panel, we use Option bar.
- 4) Rectangle Marquee Tool, Elliptical Marquee Tool, Single Row Marquee Tool, Single Column Marquee Tool.
- 5) Smudge Tool:- It is used to smear the paint on canvas. It gives an effect finger painting. Dodge Tool: This tool is used to lighten the dark areas of the image.
- 6) Layers are the transparent sheets that can hold objects and are stacked or moved to create the image composition. They allow the users to draw, edit, paste and reposition elements on one layer without disturbing the others.

# ITG-VIII

8

#### FIELDS OF ARTIFICIAL INTELLIGENCE

#### A Fill in the blanks

1. Siri 2. Apple store 3. Uber and Ola 4. AI 5. Entertainment 6. Predict

## **B** Multiple choice question

1. Cortana

2. a and b

3. Tesla

4. Autonomous cars

5. SwiftKey

6. Health

7. Drug design

#### C Write T for True and F for False

1. T 2.T 3. T 4.

3. T 4. T 5. F 6. T 7. T 8. T

## D Match the following

- 1. Predicting effects of medicine in patients
- 2. Make services more efficient and simplified
- 3. Observing crop and soil health
- 4. Personalized product recommendations
- 5. Virtual and intelligent tutoring systems
- 6. Improved visual and audio quality
- 7. Friend suggestions on social media
- 8. Control and access of devices in your home

### **E** Differentiate between the following

**Tesla** is one of the leading car manufacturing companies when it comes to self driving technology.

**Siri** is Apple's personal assistant for iOS, macOS, tvOS and watch OS devices that uses voice recognition and is powered by artificial intelligence.

# F Answer the following

- 1. Some examples of AI apps are Google Assistant, Siri, Youper and SwiftKey etc.
- 2. Smart Cities are urban areas, uses different types of electronic applications and sensors to collect data. Data is used to improve the operation of the city.
- 3. Self driving vehicles, known as autonomous / 'driverless' cars, can combine sensors and software to control, navigate and drive itself on its own. They don't need human drivers to control / operate vehicle in a safe manner. Tesla is an example of self driving cars.
- 4. Smart home has security features to protect ourselves and our properties. Which have control and easy access of devices within your home.
- 5. AI in Agriculture is bringing more quality and yield than before. AI technologies have been applied aggressively towards agro based production and has proven to be fruitful. AI enabled technologies can help recognize possible defects and nutrient deficits in soil.
- 6. AI can solve issues surrounding education quality and its access within the education sector. AI is enhancing learning experience through personalized sessions, automating and speeding up school administrative tasks, predicting the need for students/teachers communication to reduce academic failures etc.