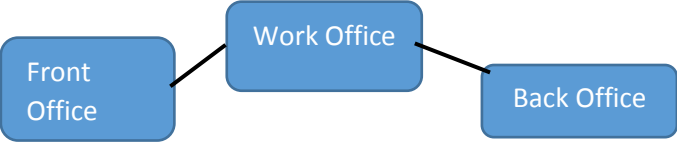


Marking Scheme
 First Pre-board Examination 2020-21
 Class XII
 INFORMATICS PRACTICES (065)

Question No.	Section A	Total
1	i. True ii. False ½ mark for each correct answer	1
2	b. plt.savefig() 1 mark for correct answer	1
3	b. 190 1 mark for the correct answer	1
4	a. print(S1.tail(3)) 1 mark for the correct usage of tail()	1
5	print(S1*5) 1 mark for the correct print() statement	1
6	xlabel, ylabel ½ mark for each correct answer	1
7	Crowdsourcing 1 mark for the correct answer	1
8	DF.T 1 mark for the correct answer	1
9	b. Star 1 mark for the correct answer	1
10	Web pages 1 mark for the correct answer	1
11	a. DDL Command 1 mark for the correct answer	1
12	d. Phishing 1 mark for the correct answer	1
13	pip install pandas 1 mark for the correct answer	1
14	Web browser 1 mark for the correct answer	1
15	c) MySQL 1 mark for the correct answer	1
16	Email 1 mark for the correct answer	1
17	Installing Antivirus & Firewall ½ mark for each correct answer	1
18	Order by 1 mark for the correct answer	1
19	Like 1 mark for the correct answer	1
20	Modem 1 mark for the correct answer	1
21	Secured 1 mark for the correct answer	1

22	<p>(i) b. <code>df['eligible']='yes'</code> (ii) d. <code>df.loc['T03', :]</code> (iii) a. <code>df['Age']=df['Points']*2/3</code> (iv) b. <code>df.head(3)</code> (v) c. <code>df.drop('T04')</code></p> <p>1 mark for each correct answer</p>	4
23	<p>(i) c. <code>Select no,name, tdate,km from travel where km>=200;</code> (ii) <code>select max(km) from travel;</code> (iii) a. <code>Select * from travel order by tdate;</code> (iv) d. Only (ii) (v) a. <code>Select name,tdate from travel where year(tdate)=2016 ;</code></p> <p>1 mark for each correct answer</p>	4
Section B		
24	<p><code>import pandas as pd</code> <code>m1=pd.Series([31,28,31,30],index=['Jan','Feb','March','April'])</code></p> <p>½ mark for import statement ½ mark for usage of Series () ½ mark for stating index as a list ½ mark for creating object m1</p>	2
25	<p>2 marks for correct difference Or 2 marks for correct definition and objectives of datatypes.</p>	2
26	<p>(i) <code>select round(278.6975);</code> (ii) <code>select round(278.6975,-1);</code> or some other queries that produces same results. 1 mark each for correct answer of part (i) , (ii)</p>	2
27	<p>i. <code>print(Comp_amt [Comp_amt <500])</code> ii. <code>Comp_amt.name=' IT equipments '</code></p> <p>1 mark each for correct answer of part (i) , (ii)</p>	2
28	<p>(i) <code>select * from Employee where Salary is NULL;</code> (ii) <code>select * from Employee where Salary is not NULL;</code></p> <p>1 mark each for correct answer of part (i) , (ii)</p>	2
29	<p>a. <code>select substr("Master Planner",1,6);</code> b. <code>select substr("Master Planner",8,4);</code> or some other queries that produces same results.</p> <p>1 mark each for correct answer of part (i) , (ii)</p> <p>OR</p> <p>a. <code>select instr("Master Planner","Plan");</code> b. <code>select right("Master Planner",4);</code> or some other queries that produces same results.</p> <p>1 mark each for correct answer of part (i) , (ii)</p>	2
30	<p>i. <code>studentDF['Name','Rollno']</code> ii. <code>studentDF.loc['5'] = ['Rakesh' ,106, 79 , 86, 91, 77, 93]</code></p>	2

	1 mark each for correct answer of part (i) , (ii)	
31	W3C = World Wide Web Consortium VoIP : Voice over Internet Protocol GPRS : General Packet Radio Service FSF : Free Software Foundation ½ marks for each correct full form	2
32	E-waste should be handled in an environment friendly manner to prevent hazardous material polluting the environment. E-waste should only be given to authorized recycler as decided by the regulatory authorities. Or any other point. 2 mark each for correct answer	2
33	We call this type of activity as cyber bullying It must be reported to cyber cell. 1 mark for naming the activity 1 mark for mentioning cyber cell.	2
Section -II		
34	[20, 35, 40, 20, 35, 40] 0 40 1 70 2 80 1½ marks for list output and 1½ marks for series output	3
35	3 marks for suitable answer. OR 1½ marks for common gender issues and 1½ marks for common disability issues	3
36	import matplotlib.pyplot as plt a = [1,2,3,4,5,6] b = [2,3,4,5,6,7] plt.plot (a,b,'ro') plt.show() 1 mark for the import statement 1 mark for appropriate usage of plot() 1 mark for show() OR import matplotlib.pyplot as plt Lang = ['Python','C++','Java','Perl', 'Scala', 'Lisp'] Usage = [10,8,6,4,2,1] plt.bar(Lang, Usage) plt.title('Programming Languages Usage') plt.show() 1 mark for the import statement 1 mark for appropriate usage of bar() and title() 1 mark for show()	3
37	a. Select * from Faculty where First_name like '%t'; b. Select * from Faculty order by Hire_date desc; c. Select max(Salary), min(Salary) from Faculty; 1 mark for each correct answer	3

38	<pre>(i) import pandas as pd names=pd.Series(['Kush','Ruchika','Divya','John']) sal=pd.Series([10000,12000,20000,25000]) d={'Ename':names,'Salary':sal} Empdf=pd.DataFrame(d,columns=['Ename','Salary']) print(Empdf) (ii) print(Empdf[Empdf ['Salary']>20000]) (iii) Empdf['Commission']=Empdf['Salary']*0.05 (iv) print(Empdf)</pre> <p>2 marks for creating the dataframe 1 mark for displaying Ename and Salary with Salary more than 20000. 1 mark for creating column 'Commission' 1 mark for displaying dataframe</p>	5
39	<pre>(i) select lower("Mr. James"), lower("Ms. Smith"); (ii) select now(); (iii) select date("2020-12-21 09:30:37"); (iv) select rtrim(" Technology Works "); (v) select mod(125,17);</pre> <p>1 mark for each correct answer</p> <p>OR</p> <p>a. Update Garments set price=825 where GName='Frock'; b. select avg(price) from Garments; c. select DName, price*1.15 as 'Increased_Price' from Garments; d. delete from Garments where MCode='M002'; e. select * from Garments where GCode<10030;</p> <p>1 mark for each correct answer</p>	5
40	 <pre>(i) Bus Topology (ii) Back Office, It has maximum number of Computers. (iii) LAN (iv) (a) Switch/hub (v) (c) Optical Fibre</pre> <p>1 mark for each correct answer</p>	5