2019	III 14	4				1000		Sea	t No	0.					
Time : 2 Hours							W	ΈB	Т	EC	H	NO]	LO	GY	
					Su	ıbject Co	ode								
					V	7 3 1	7								
Tota	l No. a	of Que	stions	: 5	(Prin	nted Pag	ges : 5)		Ma	axi	mui	m	Mar	rks	: 50
INST	RUCI	TIONS	: (i)	Al	l questi	ions are	compu	lsory.							
			(ii)	Fi	gures t	o the rig	ght ind	icate :	full	ma	rks.				
			(iii)	Q	. No. 1	is based	on Da	atabas	e co	nce	ept.				
			(iv)	Q	. No. 2	and Q.	No. 3	А, В а	are k	oas	ed o	n	MYS	SQL	
			( <i>v</i> )	Q	. No. 3	C, D an	d Q. N	No. 4 a	are l	oas	ed o	on	PHI	2.	
			(vi)	Q	No. 5	is based	on M	YSQL	and	ΙP	ΉP	COI	nnec	tivi	ty.
1.	(A)	Name	e the te	rm	used to	o define	a colle	ction o	of re	lat	ed f	file	s.		1
	(B)	What	is nor	mal	ization	?									1
	(C)	Answ	ver the following :							4					
		<i>(i)</i>	Mentio	on a	any <i>four</i>	r charact	eristic	s of a	DBI	MS					
		(ii)	Explai	n e	ntity in	tegrity r	rule.								
	(D)	Answ	ver the following (any <i>one</i> ) :							4					
		( <i>i</i> )	Classif	fy a	nd expl	lains the	differe	ent ty	pes	of	DBN	ЛS	use	rs.	
		(ii)	Explai	n b	oriefly e	entity rel	latonsh	nip mo	odel	of	$\operatorname{sch}$	ool	ad	miss	sion
			system	n wi	ith a ne	eat E-R	diagrai	n.							
2.	(A)	Name	the con	mm	and tha	t change	s or mo	odifies	data	a v	alue	s i	na	tabl	e. 1
[V-31	7]					1								P.'	Г.О.

(B) Construct Mysql query for the following :

Table : Employees;

Fields : Empid, Name, Designation

To display empid, Name and designation of the employees where the designation is either 'Programmer' or 'Operator'.

- (C) Answer the following :
  - (i) With an example explain how records are sorted in descending order.
  - (*ii*) Explain the use of group by clause with an example.
- (D) Answer the following (any one) :

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(*i*) Construct Mysql queries for the following :

Table : Student

Fields : Roll No, Name, Address, State

- (a) To add a new field 'date of birth' after State field.
- (b) To view total number of records present in the table.
- (c) To change the name of the state from 'Madras' to 'Chennai'.
- (d) To display the names of different states present in the table.
- (ii) Construct Mysql queries for the following :

Table : Commission\_table

Fields : Sales\_id, name, contact, amount of sale, commission

(a) To display maximum and minimum salary earned by salesman.

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- (b) To remove contact field from the table.
- (c) To change name of the table from commission to com\_table.
- (d) To display all records where commission earned is more than 5000.
- 3. (A) Name the function which displays date and time. 1
  - (B) Answer the following :
    - (i) State any two differences between view and table.
    - (*ii*) Explain union operator with an example.
    - (C) What is the full form of PHP ? 1
    - (D) Answer the following :
      - (*i*) Explain while loop with an example.
      - (*ii*) With an example explain for each loop.
- 4. (A) Name the mode which append, open and write to the end of the file or creates a new file if it does not exist. 1
  - (B) State any one difference between \$\_Get() and \$\_Post() command. 1
  - (C) Answer the following :
    - (i) Explain the use of file upload command with an example.
    - (*ii*) Explain briefly PHP session variable.
  - (D) Answer the following (any one) : 4
    - (*i*) Write a PHP code to print total number of vowels in a given sentence.
    - (ii) Write a PHP code to print prime numbers between the range of 2 to 50 numbers.

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4

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- 5. (A) Explain with an example the use of mysql-fetch-array(). 2
  - (B) Explain the following segment of PHP code.
    - (i) \$sql = Mysql\_query ("Delete from stock\_table where item\_id = 101 and price > 500");

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- (ii) \$result = Mysql\_query ("Select \* from product\_table where price between 1000 and 2000");
- (C) Answer the following (any *one*) : 4
  - (i) Write a PHP code to calculate interest and total amount on deposits for bank customers.

Database : Customer

Table : Bank

Fields : Custid, name, deposit

Calculations :

Interest = Deposit \* 6%

Total Amount = Deposit + Interest

Print a report in the following format :

$Cust_id$	Name	$\operatorname{Deposit}$	Interest	Total Amount
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(*ii*) Write a PHP code to add records to a table in the following format :

Database : Employee

Table : Emp\_table

Fields : Empid, Name, Address, City, State

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Empid	:								
Name	:								
Address	:								
City	:								
State	:								
ADD RECORD									
Also print a report in the format given below :									
Empid	Ν	Name	Address	City	State				