Series BVM

Code No. **319**

Roll No.				

Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains **7** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **31** questions.
- Please write down the Serial Number of the question before attempting it.
- 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

DATABASE MANAGEMENT APPLICATIONS

Time allowed : $2\frac{1}{2}$ hours

Maximum Marks: 50

- (i) This question paper contains **31** questions, out of which the candidate needs to attempt only **23** questions.
- (ii) Question paper is divided into two sections.

SECTION A

- Multiple choice questions / Fill in the blanks/Direct questions : contains total 12 questions of 1 mark each. Answer any 10 questions.
- Very short answer type questions : contains total 7 questions of 2 marks each. Answer any 5 questions.
- Short answer type questions: contains total 7 questions of 3 marks each. Answer any 5 questions.

SECTION B

Long answer / Essay type questions : contains total **5** questions of **5** marks each. Answer any **3** questions.

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Downloaded From :http://cbseportal.com/ SECTION A

Multiple Choice Questions (Choose the most appropriate option). Attempt any ten questions from the following: $1 \times 10 = 10$

	of an attribute.
(a)	Domain
(b)	Relation
(c)	Set
(d)	Schema
If x	= 20, $y = 10$, what will be the value of x, if we write the statement
x +=	: y ?
(a)	30
(b)	20
(c)	10
(d)	21
Ider	atify the operator that performs pattern searching in MYSQL.
(a)	EXISTS operator
(b)	BETWEEN operator
(c)	LIKE operator
(d)	SEARCH operator
Whi	ch of the following is <i>not</i> a DDL statement ?
(a)	CREATE
(b)	SELECT
(c)	ALTER
(d)	DROP
	term used to describe the information, systems and applications that port and drive business processes, most often using web technologies, is ed
(a)	E-education
(b)	E-governance
(c)	E-commerce
(d)	E-business

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6.	Whic	n one of the following is not a search engine?	1
	(a)	Bing	
	(b)	Yahoo	
	(c)	Google	
	(d)	Windows	
7.	Whic	h of the following is an SQL aggregate function?	1
	(a)	Max	
	(b)	Avg	
	(c)	Sum	
	(d)	Count	
8.	Whic	h SQL statement is used to update data in a database?	1
	(a)	Save	
	(b)	Update	
	(c)	Saveas	
	(d)	Modify	
9.	An exof the	expression involving byte, int and literal numbers is promoted to which ese?	1
	(a)	int	
	(b)	long	
	(c)	byte	
	(d)	bloat	
10.	Whic	h of these is an <i>incorrect</i> statement?	1
	(a)	It is necessary to use new operator to initialize an array.	
	(b)	Array can be initialized using comma separated expressions surrounded by curly braces.	
	(c)	Array can be initialized when it is declared.	
	(d)	None of the above	
11.	What	is the output of relational operators?	1
	(a)	Integer	
	(b)	Boolean	
	(c)	Characters	
	(d)	Double	
12.	An ex	cample of broadcasting model of E-governance is	1
	(a)	Online cheque transfer	
	(b)	Online judgements	
	(c)	Online cash transfer	
	(d)	None of the above	

13. Write any two characteristics of Database Management Systems.

2 14. Consider the following code. What will be the output of following program and why? 2 public class SwitchDemo { public static void main (String[] args) int day = 6; String dayname = ""; switch (day) case 1 : dayname = "Monday"; break; case 2 : dayname = "Tuesday"; break; case 3 : dayname = "Wednesday"; break; case 4 : dayname = "Thursday"; break; case 5 : dayname = "Friday"; break; case 6 : dayname = "Saturday"; break; case 7: dayname = "Sunday"; break; default : dayname = "Invalid day"; } System.out.println(dayname); }

}

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 15. What is Datatype? Name the datatype used for storing fractional value in
      any variable in JAVA?
                                                                                  2
 16. Ms Prabha has mistakenly entered "Mridul" instead of "Mridula" in 'name'
      field of table 'student'. Help her to write the correct SQL command to make
      the desired changes in the table.
                                                                                   2
                                                                                   2
 17. What is the purpose of Work Integrated Learning?
                                                                                   2
 18. Is Java a case sensitive language? Justify your answer.
 19. Online learning though gaining popularity among the young generation
      cannot replace Classroom teaching completely. Justify this statement by
      giving any two disadvantages of Online learning.
                                                                                   2
 Short Answer Questions (Attempt any five questions)
                                                                            3 \times 5 = 15
                                                                                   3
 20. Underline and Correct the errors in the following MYSQL queries:
            Select * from student where Marks=NULL:
      (a)
      (b)
            Select Name, Marks Order by Marks desc from student;
            Alter table student delete marks:
      (c)
            Find the output of the following code:
 21. (a)
                                                                                   3
            public class WhileDemo
              public static void main (String [] args)
              int number = 1;
              while(number <= 5) {
                  System.out.print("Square of" + number);
                  System.out.println("=" + number*number);
                  ++number;
                  }
              }
            }
            What is use of ++ operator in the above code?
      (b)
```

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22.	(a)	Define Arrays. Sagar has declared an array whose last element is	
		having an index/position as 10. What would be the size of this array	
		and why?	3
	(b)	Identify the property of an array which is used to find its size.	
23.		any three precautions that should be kept in mind while doing online actions.	3
24	What	is Open Source Software ? Give example of any one open source	
24.		and programming tool and backend database tool.	3
	Home	and programming tool and backend database tool.	J
25.	Sumit	ti wants to book her tickets online but she is not technology savvy.	
	State	any two advantages of e-reservation to convince her for the same and	
	name	any one popular website from where she can book her train ticket.	3
2.0	T. 1.		
26.		three ways in which database management applications can be used	•
	ın Gov	vernment Sector. SECTION B	3
		SECTION D	
Long	g Ansu	ver Questions (Attempt any three questions) $5 \times 3 =$	15
27.	Expla	in how the use of ICT tools in classrooms helps in promoting	
	educa	tion.	5
28.		e the following terms related to JAVA:	5
	(a)	JVM	
	(b)	Classes	
	(c)	Objects	
	(d)	Constructors	
	(e)	Access Modifiers	

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29. What are String Class Methods in Java? Consider the statement String name = "Welcome Akshita Singhal".

Write a single line Java code using String methods to perform the following:

- (a) Convert the name to Uppercase.
- (b) Replace "Welcome" by "Hello" in the given string.
- (c) Check whether the name contains "Sin" in it or not
- (d) Add a new string "You have won the jackpot" at the end of original string.
- **30.** Define the term 'Online Reservation Systems'. Write the procedure to do online reservations.
- **31.** Consider the following table SHOP and answer the following queries in SQL.

Table: SHOP

ID	INAME	PRICE	QUANTITY			
I01	Pencil	5	20			
I02	Pen	10	15			
I03	Sharpener	12	24			
I04	Ink	20	12			
I05	Scale	10	30			

- (a) To display all items of the given table.
- (b) To display Iname and Price in descending orders of quantity.
- (c) To count total number of items whose price is 10.
- (d) To add a new value in SHOP table.
- (e) To display Item name and Quantity whose price is more than 10.

5

5

5