

DELHI PUBLIC SCHOOL

First Semester Examination (2016 – 17)

Subject: INFORMATICS PRACTICES

Class: 12th

Date: 24.09.2016

Max. Marks: 70

Marking Scheme

Q.1	<ul style="list-style-type: none"> a) Optical Fiber b) BOSS(Bharat Operating System Solutions) c) A server manages network resources in a network. d) .com – Commercial .org – Organization/Non-profit organization e) Any two correct measures f) Any one correct point of differentiation g) Any one correct point of difference with example h) Any one correct point of differentiation i) Correct definition or purpose. j) Correct definition. 	<ul style="list-style-type: none"> 1 1 1 ½ each ½ each 1 1 1 1 1
Q.2	<ul style="list-style-type: none"> a) 6 b) <HR> c) A break statement causes control to exit the switch. d) <UL Type="circle"> OR <UL type="disc"> OR <UL type="square"> OR <OL type="a" start =4> e) y = 70; z = y – 5; OR y =70; y = y – 5; z = y; f) 8 13 g) XML tags are created by the user as there are no standard tags. h) Any one correct point of differentiation. i) Definition and any two examples of implementations. 	<ul style="list-style-type: none"> 1 1 1 1 ½ ½ ½ ½ 1 ½ each 1 + ½ each
Q.3	<ul style="list-style-type: none"> a) USECOMPANY; b) ALTER TABLE Student DROP Hobbies; c) INSERT INTO EMP(EMPNO, SALES) VALUES (100, 20078.50); d) Cardinality=20 Degree=5 e) Similarity: The Unique and Primary key constraints both ensure uniqueness of values for a column or set of columns. Difference: Primary key cannot have NULL value, but Unique key may be NULL. f) Correct effect of Autocommit set to 1 Correct effect of Autocommit set to 0 	<ul style="list-style-type: none"> 1 ½ ½ ½ each ½ ½ ½ ½ ½

	<p>g) ALTER TABLE EMPLOYEES MODIFY email varchar(20) NOT NULL;</p> <p>h) ALTER TABLE EMPLOYEES DROP Foreign KeyEMP_FK_Dept;</p> <p>i) (i) DROP Table tablename; (ii) Describe/desctablename;</p>	<p>½</p> <p>½</p> <p>½</p> <p>½</p> <p>1</p> <p>1</p>												
Q.4	<p>a) int written, interview; written = Integer.parseInt(jTextField1.getText()); interview = Integer.parseInt(jTextField2.getText()); if ((written <80) (interview <15)) { System.out.println("Not selected"); } <u>else</u> { System.out.println("Selected"); }</p> <p>b) 3 times</p> <p>c) String rem; int code = Integer.parseInt(jTextField1.getText()); if (code==1) { rem = "Classes start on 8th April";} else if(code==2) { rem = "Classes start on 10th April";} else if(code==3) { rem = "Classes start on 12th April";} else { rem = "Contact Admin Office";}</p> <p>d) total = 35 t = 4</p> <p>e) JTextField1: LuckGood JTextField2: LUCK</p> <p>f)</p> <table border="1"> <thead> <tr> <th>ROLLNO</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ashi</td> </tr> <tr> <td>2</td> <td>Bimmi</td> </tr> <tr> <td>4</td> <td>Abhi</td> </tr> <tr> <td>5</td> <td>Gagan</td> </tr> <tr> <td>6</td> <td>Chris</td> </tr> </tbody> </table> <p>g)</p> <p>i) discounttextfield.setEditable(false); totalcosttextfield.setEditable(false);</p>	ROLLNO	NAME	1	Ashi	2	Bimmi	4	Abhi	5	Gagan	6	Chris	<p>1</p> <p>½</p> <p>½</p> <p>1</p> <p>½ each</p> <p>1</p> <p>1</p> <p>½</p> <p>½</p> <p>1</p> <p>½</p> <p>½</p>
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	<p>ii) On CalculateCost button's ActionPerformed event:</p> <pre> intunits,rate=0; double discontrate=0.0,discout; units=Integer.parseInt(unittextfield.getText()); if(wholesaler.isSelected()) {discontrate = 0.1; If(units>=1 && units<=15) rate=50; else If(units>=16 && units<=30) rate=45; else If(units>=31 && units<=50) rate=35; else rate=30; } else if(retailer.isSelected()) {discontrate = 0.07; If(units>=1 && units<=15) rate=60; else If(units>=16 && units<=30) rate=55; else If(units>=31 && units<=50) rate=45; else rate=40; } else { JOptionPane.showMessageDialog(this,"Select any Customer type"); } if(specialcustomer.isSelected()) { discontrate = discontrate+0.02; } discount=units*rate*discontrate; discounttextfield.setText(""+discount); totalcosttextfield.setText(""+(units*rate)-discount)); </pre> <p>iii) unittextfield.setText(""); discounttextfield.setText(""); totalcosttextfield.setText(""); specialcustomer.setSelected(false);</p> <p>iv) System.exit(0);</p>	<p>½</p> <p>1</p> <p>1</p> <p>½</p> <p>1</p>
Q.5	<p>a) Any one correct similarity Any one correct difference</p> <p>b)</p> <p>i) SELECT GNAME FROM GARMENT WHERE SIZE='XL';</p> <p>ii) SELECT GCODE,GNAME FROM GARMENT WHERE GNAME LIKE 'LADIES%';</p> <p>iii) SELECT GCODE,GNAME,PRICE FROM GARMENT WHERE PRICE BETWEEN 1000 AND 1500;</p> <p>iv) UPDATE GARMENT SET COLOUR='Orange' WHERE GCODE=116;</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>½</p> <p>½</p> <p>½</p> <p>½</p>

	v) 3 vi) 1800 vii) Jeans c) Degree=5 Cardinality = 6	1 1 1 ½ ½															
Q.6	a) CREATE TABLE DEPARTMENT (DepartmentIDInt(4) PRIMARY KEY, DepName VARCHAR(50) NOT NULL, ManagerIDchar(4), Location varchar(30)); b) i) SELECT EMPLOYEEID, NAME, E.JOBID,JOBTITLE FROM EMPLOYEE E, JOB J WHERE E.JOBID=J.JOBID; ii) SELECT E.NAME, E.SALES, JOBTITLE FROM EMPLOYEE E ,JOB J WHERE E.JOBID=J.JOBID AND SALES>130000; iii) SELECT NAME, JOBTITLE FROM EMPLOYEE E, JOB J WHERE E.JOBID=J.JOBID AND NAME LIKE '%SINGH%'; iv) JOBID v) UPDATE EMPLOYEE SET JOBID=104 WHERE EMPLOYEEID='E4';	½ ½ ½ } ½ ½ ½ 1 ½ ½ ½ ½ ½ ½ ½ 1 ½ ½															
q.7	a) Any one correct advantage Any one correct disadvantage b) Any one correct precaution. c) <table border="1" data-bbox="204 1317 1361 1635"> <thead> <tr> <th>SNo</th> <th>Function</th> <th>Control</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Toenterfirstnameofemployee</td> <td>Textfield</td> </tr> <tr> <td>2</td> <td>Toselectgender(M/F)</td> <td>Radio Button</td> </tr> <tr> <td>3</td> <td>Tochoosecategoryofemployee(Permanent/Temporary)</td> <td>Radio button</td> </tr> <tr> <td>4</td> <td>Toallowenteringremarksabouttheemployeeintheformofparagraph.</td> <td>Text Area</td> </tr> </tbody> </table>	SNo	Function	Control	1	Toenterfirstnameofemployee	Textfield	2	Toselectgender(M/F)	Radio Button	3	Tochoosecategoryofemployee(Permanent/Temporary)	Radio button	4	Toallowenteringremarksabouttheemployeeintheformofparagraph.	Text Area	1 1 1 ½ each
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