



**SD-1476**

**Second Year B.C.A. (Sem. IV) Examination**

**April / May - 2011**

**Practical - 406**

*(New & Old Course)*

Time : Hours]

[Total Marks : 140

**Instructions :**

(1)

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book. Name of the Examination : <input type="text" value="S.Y. B.C.A. (Sem. 4)"/> Name of the Subject : <input type="text" value="Practical - 406 (New &amp; Old)"/> Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="7"/> <input type="text" value="6"/> Section No. (1, 2,.....) : <input type="text" value="Nil"/>	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: 150px; margin: 10px auto;">           Student's Signature         </div>
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(2) Question is separate for old and new course.

1 Develop a GUI application which accept details for an employee of a company. Accept personal details, salary information using separate interactive forms. Store the information in database. Provide save, view, navigation commands. Also provide search facility based on employee code. Also display salary information for all employees department wise. 40

2 *Only for old course students.* 40

Consider following database and create appropriate tables providing appropriate constraints :

Emp-master (Emp-code, Emp-name, data-of-joinint, department-name, designation)

Emp-salary (Emp-code, basic, HRA, DA, CCA, PF, PT, Gross, net)

- (a) Name the employees and their salaries whose designation is "G.M."
- (b) Name the employees who are earning highest in each department.
- (c) Calculate HRA (15% of basic), DA (51% of basic), CCA (10% of basic), PF (8.33% of basic), PT (Rs. 250 fixed). Also calculate gross and net salary.

- 3 (a) Write a java application which accept two strings. **25**  
Merge both the strings using alternate characters of each strings.  
e.g. "Hello" and "Good".  
Result should be, "HGeololdo".
- (b) Create an applet which display a circle within a **15**  
Triangle. Circumfarence of circle is touching the triangle edges. Provide different colors to both objects.
- 4 Create a portal to display facilities provided by your **40**  
college. Create appropriate pages (Minimum five) that provide information regarding college. Also provide online student registration form. Provide appropriate front-end level constraints.
- 5 File and Viva. **20**
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