



SD-1470

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

April / May – 2011

Practical - 406

(New & Old Course)

Time : Hours]

[Total Marks : 140

Instruction :

नीचे दशांशिक निशानीवाणी विगतो उत्तरवही पर अवश्य लक्ष्य। Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> S.Y. B.C.A. (Sem. 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Practical - 406 (New & Old)	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="7"/> <input type="text" value="0"/>	Student's Signature
Section No. (1/2,....) : <input type="text" value="Nil"/>	

- 1 Create an application which maintain information about the score of students of BCA studying in 1<sup>st</sup> to 6<sup>th</sup> sem. Design appropriate database and store information using GUI forms. List out name of topper from each semester and search top three students based on selected semester. Also display names of failures. Provide insert, update, delete and search facility. 40
- 2 Create webpage for ice-creame parlour and various products provided by the parlour. The website provide facility to accept orders online. It check validity of product (must be available in list). Total order quantity must be greater than zero. Calculate total bill rate and tax (10% of total amount). Calculate bill amount. 40
- 3 *Only for new course*
  - (a) Write a java code (application or applet) which display current time and date. Use thread class to execute the code. 25
  - (b) Write java application which accept a string and display the string in reverse order by interchanging its odd positioned characters with even positioned characters. 15

SD-1470]

1

[Contd...





SD-1471

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

April / May – 2011

Practical - 406

(New & Old Course)

Time : Hours]

[Total Marks : 140

Instruction :

नीचे दृशाविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="checkbox"/> S.Y. B.C.A. (Sem. 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Practical - 406 (New & Old)	<input type="text"/>
Subject Code No. : <input type="text"/> 1 <input type="text"/> 4 <input type="text"/> 7 <input type="text"/> 1	Student's Signature
Section No. (1/2,....) : <input type="text"/> Nil	

- 1 Create GUI application which perform add, delete, insert, update, search and navigation operation for following database. 40  
Create appropriate tables to maintain information about various items sold by the restaurant. Also maintain information about bills generated for customers.  
Generate reports which display week-wise and day-wise bill-collection and item-wise bill collection.
- 2 Create and design website for a resaturant. 40  
Display various special offers given by the owners. Also provide online order facility.
- 3 *Only for new course* 40
  - (a) Create an applet which display rectangle having a circle inside the rectangle. 15
  - (b) Create an application which accept ten names. 25  
Display the names using thread at an interval of 2 seconds.

SD-1471]

1

[Contd...

- 3** *Only for old course students.* **40**
- Create following tables :
- Item-master (Item-code, Item-name, cost)
- Bill-master (Bill-code, Bill-date, Bill-amount)
- Bill-detail (Bill-code, Sr.-no., Item-code, Qty)
- Solve following queries :
- (a) Create above tables and provide appropriate records.
- (b) Name the item which is sold maximum.
- (c) Display total bill-cost for current-date.
- (d) Display bill-details having bill-amount greater than 500.
- 4** Viva. **10**
- 5** Practical journal. **10**
-



SD-1472

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

April / May – 2011

Practical - 406

(New & Old Course)

Time : Hours]

[Total Marks : 140

Instruction :

नीचे दृशाविवेक निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fillup strictly the details of signs on your answer book.

Seat No. :

Name of the Examination :  
S.Y. B.C.A. (Sem. 4)

Name of the Subject :  
Practical - 406

Subject Code No. :     Section No. (1/2,....) :

Student's Signature

- 1 Create a database, which maintain student information. 40  
The database must contain personal information regarding students and their academic information. Design GUI forms which provide facility of insert, update, delete, navigation of records and search specific records based on city and name.
- 2 Create webpages for placement agency. This website 40  
accepts biodata of clients, including personal details and educational qualification. Also provide appropriate constraints to check that the email address and phone numbers are valid. Name, address and educaional qualification fields are compulsory. Provide appropriate webpage design including required images.
- 3 *Only for new course students* 40
  - (a) Write a javacode which accept start and end 25  
alphabates in sequance from start position till end position providing one second intervals using thread.
  - (b) Create on applet which display name of your city 15  
within a triangle which is inside a circle and vertices of triangles are on the circumference of the circle. Provide separate colors to the triangle and circle.

SD-1472]

1

[Contd...

**3** *Only for old course students.* **40**

Create appropriate tables and normalize them to solve given queries :

Store personal and marks related informations for students of BCA.

Solve following queries :

- (a) Name all students who born in the month of June and July.
- (b) Name the student who got highest in Paper-3.
- (c) Name the student who is eldest among all.
- (d) Name bottom five students who scored lowest.

**4** Viva. **10**

**5** File. **10**

---



SD-1473

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

April / May – 2011

**Practical - 406**

*(New & Old Course)*

Time : Hours]

[Total Marks : 140

**Instructions :**

(1)

नीचे दशांशविक $\leftarrow$ निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी. Fillup strictly the details of $\leftarrow$ signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination : $\leftarrow$ <b>S.Y. B.C.A. (Sem. 4)</b>	Student's Signature
Name of the Subject : $\leftarrow$ <b>Practical - 406</b>	
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="7"/> <input type="text" value="3"/> $\leftarrow$ Section No. (1/2,....) : <input type="text" value="Nil"/>	

- 1 Create a database for vehicle service job contains job-master (job-no, vehicle-no, attend (y/n), type of job (accident, service, color), job-description, entrydate, deliverydate). Write a vb.net code which provide facility of DML, navigation and search operation. Provide search facility on vehicle-no and jobtype jointly, display result in datagridview. 40
  
- 2 Create a webpage which display information about a medical shop. The registered user can order medicines online. Provide appropriate constraints to accept user's personal information using form. Also provide facility to order for medicines which provide facility to order multiple medicines and calculate total Bill-amount. 40
  
- 3 *For new course students* 40
  - (a) Write a java code which accept names and age of 10 students. Sort the names of students age wise in ascending order. Display the names of students using thread class at interval of one seconds. 25
  - (b) Write a java application which display a pentagon containing a circle within the pentagon where the circumference of the circle touches to the dges of the pentagon. Provide separate colors to both the objects. Display your name in center position of the circle.

SD-1473]

1

[Contd...

- 3** *For old course students.* **40**  
Use the tables from question one and provide appropriate constraints. Solve following queries :
- (a) Name (number of) the vehicle\_no where type of job is accident.
  - (b) Display total numbers of vehicles delivered in last one week.
  - (c) How many vehicles are delivered in less than 5 days during last month ?
  - (d) Display total vehicles serviced for each types of job.
  - (e) Count total number of vehicles not attended till now.
- 4** Viva. **10**
- 5** Practical journal. **10**
-





SD-1474

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

April / May – 2011

Practical - 406

(New & Old Course)

Time : Hours]

[Total Marks : 140

Instruction :

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
S.Y. B.C.A. (Sem. 4)

Name of the Subject :  
Practical - 406 (New & Old)

Subject Code No. : 1 4 7 4 Section No. (1/2,....) : Nil

Seat No. : [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- 1 Create web-design for a hospital which provide information about, facility, doctors and various instruments. Also provide facility to register appointment with doctor online. 40
- 2 *Only for new students.*
  - (a) Create java application which display clock. Display time using thread concept. 25
  - (b) Create an applet which display a square within a circle. Provide appropriate colors to both objects. 15
- 2 *Only for old course students* 40

Create following tables :

Doctor-master (Doc-no, Doc-name, Speciality)

Doctor-master (Pat-code, Pat-name, date-of-registration, next-appointment-date, Doc-no).

  - (a) Create above tables and provide appropriate constraints.
  - (b) Name doctors and total-patients they are having.
  - (c) Which doctor have highest number of patients ?
  - (d) Which doctor does not have given any appointment on tomorrow ?

SD-1474]

1

[Contd...

- 3 Create GUI application which provide navigation, delete, update, insert and search facility for Airline ticket Booking. Maintain booking information for various destinations from Bombay. The prize is fix for adult and child. Create appropriate database. Display destination-wise ticket booking details. Also provide date-wise ticket-booking and collection detail. **40**
  - 4 Viva. **10**
  - 5 Practical journal. **10**
-



SD-1475

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

April / May – 2011

Practical - 406

(New & Old Course)

Time : Hours]

[Total Marks : 140

**Instructions :**

(1)

नीचे दशांशविक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination : S.Y. B.C.A. (Sem. 4)	Student's Signature
Name of the Subject : Practical - 406 (New & Old)	
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="7"/> <input type="text" value="5"/> Section No. (1/2,....) : <input type="text" value="Nil"/>	

(2) Question (2) is only for old course students.

1 Develop a GUI application which accept details for 40  
Grocery store. The item-master maintain all the items kept  
at the store. The Bill-master generate bills for every purchase  
by the customer. The customer-master maintain list of  
customers. Create appropriate interactive form providing  
necessary constraints. Provide navigation, save, search options.  
Also provide, edit, delete and update facility.

2 *Only for old course students.* 40

Consider following database.

Create and provide appropriate constraints.

Item-master (Item-code, Item-name, Rate-of-purchase,  
qty-purchased, date-of-purchased)

Bill-register (Bill-code, Bill-date, Bill-Amt)

Bill-details (Bill-code Item-code qty, Rate)

(a) Which item is sold highest in quantity during last one  
month ?

(b) Name the items and total quantity purchased during last  
three months.

(c) Display total bill amount during last three months.

SD-1475]

1

[Contd...

- 3 (a) Create java application which accept names of ten cricket players and their scores in last match using an array. Sort the records in ascending order based on scores. Also display names at an interval of 2 seconds using thread. **25**
- (b) Create an applet which display a circle with color Red. Display your name in centre of the circle. **15**
- 4 Create a webpage which display information about a shopping mall. Provide information, special offers and billing and online-order information. Create appropriate form which allow user to order online. Provide appropriate online constraints. **40**
- 5 Practical journal and Viva. **20**
-



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 दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fillup strictly the details of signs on your answer book.

Seat No. :

Name of the Examination :

Name of the Subject :

Subject Code No. :     Section No. (1/2,....) :

Student's Signature

(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.

SD-1476]

1

[Contd...

- 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 Triangle. Circumfarence of circle is touching the triangle edges. Provide different colors to both objects. **15**
- 4 Create a portal to display facilities provided by your college. Create appropriate pages (Minimum five) that provide information regarding college. Also provide online student registration form. Provide appropriate front-end level constraints. **40**
- 5 File and Viva. **20**
-