

## SUBJECT : PAPER-506 : PRACTICAL

### THIRD YEAR B.C.A. (SEM. V) EXAMINATION

This pdf file contains YEAR 2013 to 2019 Regular (Oct/Nov/Dec) & A.T.K.T.(March/Apr/May)Exam question Papers list of above subject.  
The question Bank will be upload in future for the students

1. Mar/Apr –2013 SET-1
2. Mar / Apr –2014 SET-1
3. Nov / Dec – 2015 SET-1
4. Nov / Dec – 2015 SET-2
5. Nov / Dec – 2015 SET-3
6. Nov / Dec – 2015 SET-4
7. Nov / Dec – 2016 SET-1
8. Nov / Dec – 2016 SET-2
9. Nov / Dec – 2016 SET-3
10. Nov / Dec – 2016 SET-4
11. Oct / Nov – 2017 SET-1
12. Oct / Nov – 2017 SET-2
13. Oct / Nov – 2017 SET-3
14. Nov / Dec – 2018 SET-1
15. Nov / Dec – 2018 SET-2
16. Nov / Dec – 2018 SET-3
17. Mar /Apr – 2019 SET-1

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## Third Year B.C.A. (Sem. V) Examination

March / April – 2013

**Practical: Paper-506**

[Time: 5 Hours ]

[ Total Marks: 140]

### Instructions:

<p><b>Fill up strictly the details of signs on your answer book</b></p> <p>Name of the Examination: <input type="checkbox"/> <b>Third Year B.C.A. (Sem. V)</b></p> <p>Name of the Subject : <input type="checkbox"/> <b>Practical: Paper-506</b></p> <p>Subject Code No: <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="3"/></p>	<p>Seat No.:</p> <table border="1"><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table> <p><input type="text"/></p> <p>Student's Signature</p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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(2) Marks are indicated to the right side of question.

1. Develop PHP Website for "Stock Management System" with following functionality along with login according to the user.

40

User following tables:

Login (LoginId, LoginName, Category(Admin/user),Password)

Transaction\_master( Transaction\_Code, StockID, Item\_Name,

Transaction,.\_Type(purchase or Issue), Transaction\_Date, Quantity)

Provide following facilities :

- (i) Provide Login facility. There are two types of users(Admin and User). Also provide sign up facility.
- (ii) Display Transactions category wise.
- (iii) Provide insert and navigation records from, Transaction\_master, Table.
- (iv) Admin can delete or update the records from Transaction master.

2. (a) Write a UNIX shell script that copy 'a' file to another file and reads file content in-reverse. Try to incorporate as many files is possible. **20**
- (b) Write Unix shell script that display content of file line by line. It displays total words and characters in each line of the file. At the end, it should display total number of characters in the file and total lines. **20**
3. Develop ASP .NET Website for "Stock Management System" with following functionality along with login according to the user. (Create appropriate tables.) **40**
- Administrator:
- Manage stock (Insert, Update, Delete)
  - View reports : (i) Purchase items in current month.  
(ii) Issue items in current months.
- General user:
- User Registration
  - Inquire about available item
4. Viva **10**
5. Journal **10**

## Third Year B.C.A. (Sem. V) (CBCS) Examination

March / April – 2014

Practical: Paper-506

(Old Course)

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

(1)

Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year B.C.A. (Sem. V)

Name of the Subject :

PHP MYSQL: Paper-501

Subject Code No:

Seat No.:

Student's Signature

- (2) Marks are indicated at the right side of every question.  
(3) Question 4 is separate for new course (C.B.C.S.) and old course students.

1. Practical Journal and Viva-Voce. 20

2. (a) Write a script which receive strings and check both are same or different. 20  
Also merge both strings and display the resultant string.

(b) Do the following commands: 20

- 1) Write a sed command to select those lines between 35 and 40 having pattern 'unix' in a file f1.

- 2) Display all files of current directory whose 1st character is not special character.
  - 3) Display attributes of directory dir 1 resides in current directory.
  - 4) Replace multiple spaces with a space in file f1.
  - 5) List all files of working directory having at least 4 character in file name.
  - 6) Display all files recursively (including the hidden ones) in multiple columns with distinguishing marks on executable and directory.
  - 7) Match all file names not beginning with a dot(.
  - 8) Delete all lines begin with "T" in file f1.
  - 9) Display contents of top 3 largest files in a working directory.
  - 10) Display total number of words and lines of files which start with 'm'.
3. Develop a webpages for "E-Examination System", will provide features like filling of forms through online, attempting exams through online and display result are displayed online. (Create appropriate database). **40**
4. **(For C.B.C.S. New Course Students)** **40**  
Accept a sentence and a word. Count the occurrence of word in the sentence and Display result in separate page using GET method.
4. **(For Old Course Students)**
- (a) Accept values for two two 3x3 matrix and calculate multiplication of bot matrix. **25**
  - (b) Create an Applet which accept two names. Display the name which is longest. **15**

## Third Year B.C.A. (Sem. V) Examination

December – 2015

Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

(1)

Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year B.C.A. (Sem. V)

Name of the Subject :

Practical: Paper-506

Subject Code No:

Seat No.:

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Student's Signature

- (2) Marks are indicated at the right side of every question.  
(3) All questions are compulsory.

1. Viva and Practical Journal. 20
2. Design module using ASP.NET "shoonline" for online shopping which provide 40  
online shopping items like jeans, shirts, shirt etc. It includes view of items along with their price. Add selected items into cart and display shipping details.  
Provide proper validation.

3. (a) Write a menu driven shell script to perform following operations: **30**
- 1) Decimal to Binary
  - 2) Decimal to Octal
  - 3) Decimal to Hexadecimal.
- (b) Write a shell script that will pass filename and two integer numbers **10**  
n1 and n2. Display lines n1 to n2 from that file.
4. Create a web page using PHP which accepts student information like roll-no, **40**  
name, age, city and phone\_number. Store these records in MYSQL database.  
Provide Insert, View options.

## Third Year B.C.A. (Sem. V) Examination

December – 2015

Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

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- (2) Marks are indicated at the right side of every question.
- (3) All questions are compulsory.

1. Viva and Practical Journal. 20
2. Design module using ASP.NET for a courier service. The query page should get order\_no. Based on the order\_no, the customer should get details or the status of the goods or letter been sent. If the order\_no is not provided by the customer, the customer should be given an option for place and date of booking using which the item can be tracked. Provide appropriate constrains and design required database. 40



3. (a) Write a shell script which display 5<sup>th</sup> line of all files of current directory that starts with vowels. **30**
- (b) Write a shell script that pass a file name and pattern from command line and check whether that pattern occurs in the file or not. (Check for appropriate validations) **10**
4. Create a web page using PHP which accepts ticket booking information like client\_name, source\_destination, address, nos. Of passenger travelling, travelling date and airline\_number. Store these records using MYSQL database. Provide Insert, update, delete and navigation options. **40**

## Third Year B.C.A. (Sem. V) Examination

March / April – 2015

Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

(1)

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(2) Marks are indicated at the right side of every question.

(3) All questions are compulsory.

1. Viva and Journal. 20

2. (a) Write a shell script which accepts a username and check the entered user is currently logged in or not. 25

(b) Write a shell script to accept a file name from user from command line and display reversed words of the file. (i.e. "unix os" should be displayed as "xinu so"). 15

3. Design website in ASP.NET for selling and purchasing of items like OLX.com, in which one user can upload item description which he want to sell and other users can view and purchase it. **40**
4. **PHP: (a)** Accept a sentence using textbox and count number of words, spaces, vowels depending on the choice selected by radio buttons. **20**
- (b)** Select name of item, its quantity and cost. Display Final bill and display on screen. **20**

## Third Year B.C.A. (Sem. V) Examination

December – 2015

Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

(1)

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- (2) Marks are indicated at the right side of every question.  
(3) All questions are compulsory.

1. Viva and Practical Journal. 20

2. Develop ASP.NET website for “multiplex theatre management system” with 40

following functionality along with login according to user (create appropriate tables)

Administrator:

Manage screen wise movie and time

General user:

User registration

Inquire about available tickets

3. Write a shell script which display file name of current directory if it is palindrome. **40**

Also provide report summary containing total number of lines, words and characters of those files.

4. Create a web page using PHP which accept Patient information like patient\_no, **40**

name, age, admit\_date and Doctor\_name. Also accept details about Doctors and their personal information. Store these records using MYSQL database. Provide Insert, Update, View options.

## Third Year B.C.A. (Sem. V) Examination

November / December – 2016

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

(1)

<p><b>Fill up strictly the details of signs on your answer book</b></p> <p>Name of the Examination: <input type="checkbox"/> <b>Third Year B.C.A. (Sem. V)</b></p> <p>Name of the Subject : <input type="checkbox"/> <b>PHP MYSQL: Paper-501</b></p> <p>Subject Code No: <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="3"/></p>	<p>Seat No.:</p> <table border="1"><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table> <p><input type="text"/></p> <p>Student's Signature</p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		

- (2) Student must carry his/her certified practical journal at the time examination.
- (3) Marks are indicated at the right side of every question.

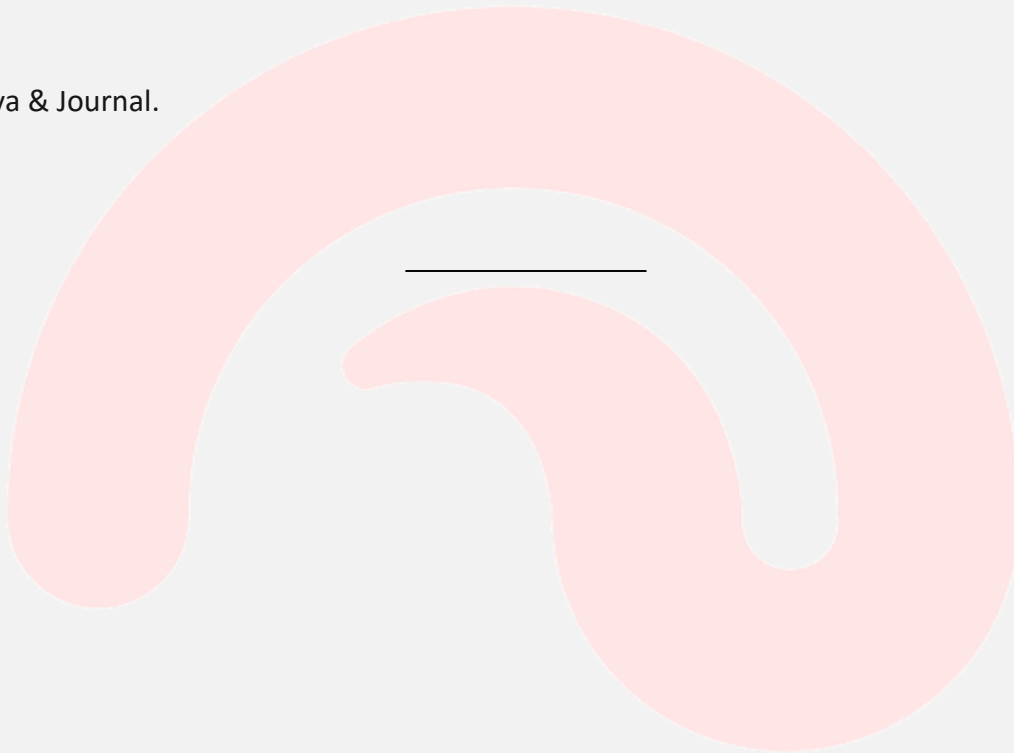
1. Design module using ASP.NET for “Real estate Management system”. Agent, Dealer Client posted the property information. Admin can manage that post and User can view the information and contact the person. Give proper validation. **40**

2. (a) Write a shell script that will read a file name and pattern from the command line and check whether that pattern exist in file and if exist than count number of words in the lines where pattern is found. **20**

(b) Write an AWK script to display number of words and characters in each other. **20**

3. Write PHP code which accept details for Estate Master (Deal\_code, Agent\_name, Dealer\_name, Property\_code, Client\_name, cost). Create database and provide facility to insert, update and delete for the given table using form. Provide appropriate validations. **40**

4. Viva & Journal. **20**



## Third Year B.C.A. (Sem. V) Examination

November / December – 2016

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

(1)

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- (2) Student must carry his/her certified practical journal at the time examination.
- (3) Marks are indicated at the right side of every question.

1. Design module using ASP.NET “online book shop” for online book shopping. User can view the different category of books and place an order for books. Admin can manage the book stock. Provide proper validation. 40
2. (a) Write a shell script that will read two numbers from command line and display all even numbers between these two numbers. 20  
(b) Write an AWK script that will display last word of each line. 20



3. Write PHP code which accept details for Book\_Master (Book\_code, Book\_name, Author\_name, cost, ISBN\_NO). Create database and provide facility to Insert, update and delete for the given table using form. Provide appropriate validations. **40**
4. Viva & Journal. **20**

## Third Year B.C.A. (Sem. V) Examination

November / December – 2016

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

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- (2) Student must carry his/her certified practical journal at the time examination.
  - (3) Marks are indicated at the right side of every question.
1. Create a website in ASP.NET which gives the information about current Job Advertisement posted in different areas (Field like bank, college etc.) and also give the information about call letter and examination date and result. 40
  2. Write an AWK script to reverse individual word of a line from file. 40  
 E.g. **INPUT:** hello word    **OUTPUT:** ollehdraw
  3. Write PHP code which accept details for Job\_master (Job\_code, Company\_name, Designation, Salary\_offered, Interview\_date, total\_vacancy). Create database and provide facility to Insert, update and delete records. Also provide view facility to display all jobs available for selected designation. Provide appropriate validations. 40
  4. Viva and Journal. 20

## Third Year B.C.A. (Sem. V) Examination

November / December – 2016

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

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- (2) Student must carry his/her certified practical journal at the time examination.
- (3) Marks are indicated at the right side of every question.
1. Write an **AWK script** that will count total number of students in each department using file stud.text having fields (rno, name, dept, marks). Display total marks department wise. 40
  2. Develop webpages using **ASP.NET** for "Online Examination System" with the features like online form filling, attempting exam through online and display result. Put proper validation. 40
  3. Write **PHP** code which accept details for Online\_exam\_master (Exam\_code, Student\_code, Student\_name, Exam\_date, Subject\_name, Exam\_center). Create database and provide facility to Insert, update and delete records. Also provide view facility to display Booking details for selected Booking code. Provide appropriate validations. 40
  4. Viva and Journal. 20



3. (a) Write a **script** to reverse the string. The string should be passed as an argument. **25**

(b) Using **AWK** find out the sums of each of **n** columns of an array of numbers **15**

given in tabular form. It should also display the grand totals. ( **n** is to be taken  
command line argument)

```
21 19 24
19 15 37
20 17 11
```

4. Practical journal and Viva-Vose.

**5+15**

## Third Year B.C.A. (Sem. V) Examination

October – 2017

Practical: Paper-506

(Old & New Course)

[Time: 5 Hours ]

[ Total Marks: 140 ]

### Instructions

(1)

<p><b>Fill up strictly the details of signs on your answer book</b></p> <p>Name of the Examination:  <input type="checkbox"/> <b>Third Year B.C.A. (Sem. V)</b></p> <p>Name of the Subject :  <input type="checkbox"/> <b>Practical: Paper-506</b></p> <p>Subject Code No: <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="8"/> <input type="text" value="1"/></p>	<p>Seat No.:</p> <table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table> <div style="border: 1px solid black; width: 100%; height: 80px; margin-top: 10px;"></div> <p style="text-align: center;">Student's Signature</p>						

- (2) Marks are indicated at the right side of every question.  
 (3) All questions are compulsory.

1. Develop “Product Management” Web Page using **PHP/MYSQL** which manages **40**  
 the product information in Product\_details (P\_No, P\_Name, P\_Category, P\_Image, Price, Qty). It should provide insert, update, delete and display facility along with proper validation.
2. Create interactive pages using **.NET** which accept Information pertaining to Airline **40**  
 booking. It store information in the database using entry form and display information for given Booking-Id. Use following table for this purpose:  
 Booking\_master (Booking\_id, Booking\_date, Name, Address, Contact\_no, Source\_Place, Destination\_Place). Provide appropriate validations.

3. (a) Write a **script** which count nos. of the vowels in the entered string. **25**
- (b) Create a student-dat file which contain rollno and marks of five tests. Write **15**  
an **AWK script** to calculate total and average marks for each student.
4. Practical Journal and Viva-Voce. **5+15**

## Third Year B.C.A. (Sem. V) Examination

October – 2017

Practical: Paper-506

(Old & New Course)

[Time: 3 Hours ]

[ Total Marks: 70 ]

### Instructions

(1)

Fill up strictly the details of signs on your answer book

Name of the Examination:

Third Year B.C.A. (Sem. V)

Name of the Subject :

Practical: Paper-506

Subject Code No:

Seat No.:

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Student's Signature

- (2) Marks are indicated at the right side of every question.  
(3) All questions are compulsory.

1. Create interactive pages using **PHP/MYSQL** which accept Information pertaining to **40**  
Train booking. It store information in the database using entry form and display  
information for given Booking-Id. Provide insert, update facility. Use following table  
for this purpose:  
TrainBooking\_master (Res\_id, Booking\_date, Customer\_Name, Address, Phone\_no,  
Source\_Place, Destination\_Place). Provide appropriate validations.



2. Develop a **.NET application** for “E-Shopping System” will provide features like: **40**
- 1) Admin/user login page
  - 2) Admin can insert, update, delete products information in database.
  - 3) Create appropriate database tables for this and provide appropriate validation.
3. (a) Write a menu driven **script** to convert the content of file into upper case or lower case based on the user’s choice. **20**
- (b) Write a command using **awk**: **20**
- 1) To count number of occurrence of pattern ‘bca’ in file f1.
  - 2) To print words whose length is greater than 4 characters and consist of digit only.
  - 3) To print even numbers of words in each line.
4. Practical Journal and Viva-Voce. **5+15**

## Third Year B.C.A. (Sem. V) Examination

November / December – 2018

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

(1)

<p><b>Fill up strictly the details of signs on your answer book</b></p> <p>Name of the Examination: <input type="checkbox"/> <b>Third Year B.C.A. (Sem. V)</b></p> <p>Name of the Subject : <input type="checkbox"/> <b>Practical: Paper-506</b></p> <p>Subject Code No: <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="8"/> <input type="text" value="0"/></p>	<p>Seat No.:</p> <table border="1"><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table> <p>Student's Signature</p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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- (2) All the students must carry their certified journals at the time of examination.
- (3) Question-2 is for **PHP**. Question-3 is for **.NET** and Question-4 is **UNIX**
- (4) Create appropriate tables whenever it is needed.

- |  |    |
|--|----|
| 1. (a) Viva Voce   | 10 |
| (b) Practical Journal  | 5  |
| 2. Develop a <b>web site</b> for "Online Book Store" with following functionalities. | 45 |
| 1) Insert, Update and Delete Book Details.   |    |
| 2) Display the books author wise, title wise and price wise.                         |    |
| 3) Display the book having maximum number of copies.                                 |    |

3. Create a **website** for Real Estate. Give facility for searching category wise (bungalow, row house, shop, land, etc.) and price wise different properties. Also provide admin login and give facility for adding and updating record. **40**

4. (1) Write a **shell script** to check whether your current working directory is same as home directory or not. **20**

(2) Write a **script** to check whether a given string is palindrome or not. **20**

## Third Year B.C.A. (Sem. V) Examination

November / December – 2018

### Practical: Paper-506

[Time: 5 Hours]

[Total Marks: 140]

#### Instructions

(1)

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- (4) Create appropriate tables whenever it is needed.

- |    |   |           |
|----|---|-----------|
| 1. | <b>(a)</b> Viva Voce  | <b>10</b> |
|    | <b>(b)</b> Practical Journal  | <b>5</b>  |
| 2. | Develop a <b>PHP website</b> "Online ticket reservation" system. It allows following functionalities. | <b>45</b> |
|    | 1) Login  |           |
|    | 2) Data entry form for train  |           |
|    | 3) Search train date wise   |           |
|    | 4) Search train from source station to destination station.   |           |

3. Create a **website** for Dominos Pizza and give facility for ordering Items. Maintain session for logged in users. **40**
4. (1) Write **grep** command for the following: **20**
- a) Display lines that have a 5 letter string that starts with "T" and Ends with 'e'?
  - b) Display lines that have numbers only?
  - c) Display lines that start with the character a?
- (2) Write **AWK** commands for the following: **20**
- a) Print the squares of first numbers from 1 to 5.
  - b) Print 1 to 10 nos.
  - c) Collect each line in a separate array element, index it by line number and print them in reverse order.

## Third Year B.C.A. (Sem. V) Examination

November / December – 2018

### Practical: Paper-506

[Time: 5 Hours ]

[ Total Marks: 140 ]

#### Instructions

(1)

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- (4) Create appropriate tables whenever it is needed.

- |  |    |
|--|----|
| 1. (a) Viva Voce   | 10 |
| (b) Practical Journal  | 5  |
| 2. Develop a <b>PHP website</b> for "Online Banking" with following functionalities. | 45 |
| 1) Customer Registration and login   |    |
| 2) Fund Transfer   |    |
| 3) Display the customer with minimum balance.  |    |

3. Create a **website** for online hospital appointment system in which user can login **40**  
and book appointment for particular doctor. Also give searching facility for particular  
doctor.

4. (1) Write a **shell script** to display the calendar for current month with current **20**  
date replaced by \*or\*\* depending on whether the date has one digit  
or two.

(2) Write a **script** to check whether a given number is palindrome or not. **20**

## Third Year B.C.A. (Sem. V) Examination

March / April – 2019

Practical: Paper-506

[Time: 3 Hours ]

[ Total Marks: 70 ]

### Instructions

(1)

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<b>Q.1 (a)</b>	Viva Voce	<b>10</b>
<b>(b)</b>	Practical Journal	<b>05</b>

<b>Q.2</b>	Create a <b>PHP</b> website for college management system that allow students Registration, login and search for particular student name wise or email wise or phone number wise.	<b>45</b>
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- Q.3** Create a **website** for Gift Items and give login facility for admin to login into the website. Also give facility for Updation and Deletion of items. Maintain Session for login users. **40**
- Q.4**
1. Write a **script** to count the no of the vowels in the entered string. **20**
  2. Write an **awk script** to count the no. of words in the file. **20**

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