Name - Pragati Thapa
Course - MCA 1st
Section - 'D'
Student ID - 21712262

End term - Practical Exam
Scripting Language / R Lab.

Q1) Source Code :-

```
<Html>
<head>
<script>
function validate ()
{
var msg = " ";
if (document.getElementById('log').Value == "")
{
msg = "username";
document.getElementById('log').focus()
}
if (document.getElementById('pass').Value == "")
{
if (msg != " ")
{
msg += "and"
}
```

```
msg += "password";
  }
if (msg!="")
  { alert("provide "+msg); return false;
  }
}
</script>
</head><body onload=document.getElementById
          ('log').focus()>

<form action="login.php" method="post" onsubmit
    ="return validate();">
Login-Name :<input type="text" id="log"><br></br>
Pass-word : <input type="text" id="pass"><br></br>
<input type="submit" name="submit1" value=
    "Login">
</form>
</body>
</html>
```

Q 2) Source code :-

```
<html>
<head>
<title> general form </title>
</head>
<body>
<form action = "<?php $_PHP_SELF ?>" method =
    "POST">
Name :
<input type = "text" name = "txtname" required >
<br><br>
Roll no.:
<input type = "text" name = "txt r_no" required>
<br> <br>
Address :
<textarea name = "add" type = "textarea">
  </textarea>
<br> <br>
<input type = "Submit" name = "insert" value = "Save">
<input type = "Reset" value = "Cancle">
</form>
</body>
</html>
```

```
<?php
if (isset ($_POST ['insert']))
{
  $con = mysqli_connect ("localhost","root","","
    newdb");
 if ($con)
  {
    echo "My sql connection ok <br>";
 mysqli-select_db ($con," newdb ");
$name = strval ($_POST ['txtname']);
$rollno = intval($_POST ['txtrno']);
$gender = strval ($_POST ['txtgen']);
$address = strval ($_POST ['add']);
$insert = "insert into studinfo values ('$name',
          $rollno,'$gender','$address')";
 if (mysqli_query ($con, $insert))
 {
  echo "Data inserted successfully <br>";
 }
$query = "select * from studinfo";
$sldt = mysqli_query ($con, $query);
 echo "<table border='1'>
 <tr>
```

```
<th> Name </th>
<th> Roll No </th>
<th> Gender </th>
<th> Address </th>
</tr> ";
    }
while ($row = mysqli_fetch_array ($sldt))
{
  echo "<tr>";
  echo "<td>". $row['txt name']. "</td>";
  echo "<td>". $ row ['txtr_no"]. "</td>";
  echo "<td>". $row['txt gen']. "</td>";
  echo "<td>". $ row ['add']. "</td>";
  echo"</tr>";
}
  echo "</table>";
mysqli_close ($con);
}
?>
```

Q3). Plotting the graphs from heart.csv...

~~Csv~~ Reading d.csv file

hep <- read.csv("C:/Users/PRAGATI/Desktop/hep.csv")

Ya.

- Installing ggplot package
  install.packages("ggplot2")

this package is important for plotting graphs and charts few of them will be shown below.

- Using ggplot() library
  library(ggplot2)

- Histogram:-

ggplot(hep, aes(y=AST, x=PROT))+geom_bar(stat="identity")

- Boxplot:-

ggplot(hep, aes(x=AST, y=ALB))+geom_boxplot()

- Scatter plotting

ggplot(hep, aes(x=AST, y=ALB))+geom_point()

04) # Descriptive Statistics

Summary (mydata)

dim (mydata)

str (mydate)

names (mydata)

Infrential Statistics.

i) Chi - squared test

model <- chisq.test (mydata)

model

output p- value = 0.3342163 > 0.05

Thus 'mydata' is highly corelated and we accept the NULL Hypothesis.

2) # correlation coffiicient

cor (mydata $ BIL, mydata $ average)

output 0.9753470.8.

Thus cars & average is strongly correlated to each other.

3) Anova test :-

mysubdata 4 <- CHE (mydata $ average ~
mydata AST)

mysubdata 4

output Pr(>|t|) is 0.0014 as this value is less than 0.05 then we reject NULL Hypothesis and accept the alternative Hypothesis

4) T-Test

This gives us the T-score for the dataset t.test(mydata, mu=100)

Here p-value is 0.334263 > 0.05

so we accept the NULL Hypothesis.