

HIGHER SECONDARY PRACTICAL EXAMINATION, MARCH/APRIL 2021
MODEL PRACTICAL QUESTION PAPER
COMPUTER SCIENCE

Max Score 40
Time 3 Hrs

PART A: C++ Programs

1. Write C++ Program to find the largest of three numbers

```
#include<iostream>
using namespace std;
int main()
{
    int a,b,c;
    cout<<"Program to find the biggest of three numbers\n";
    cout<<"Enter three numbers";
    cin>>a>>b>>c;
    if(a > b && a > c)
        cout<<a<<" is big";
    else if (b > c)
        cout<<b<<" is big";
    else
        cout<<c<<" is big";
    return 0;
}
```

Output

```
Program to find the biggest of three numbers
Enter three numbers 5
6
2
6 is big
```

2. Write C++ Program to find the day name of a week using switch statement

```
#include<iostream>
using namespace std;
int main()
{
    int day;
    cout<<"Program to print the day of week\n";
    cout<<"Enter a number to print the day name";
    cin>>day;
    switch(day)
    {
        case 1 : cout<<"Sunday"; break;
        case 2: cout<<"Monday "; break;
        case 3: cout<<"Tuesday "; break;
        case 4: cout<<"Wednesday "; break;
        case 5: cout<<"Thursday "; break;
        case 6: cout<<"Friday "; break;
        case 7: cout<<"Saturday "; break;
        default: cout<<"Invalid Input";
    }
    return 0;
}
```

Output

```
Program to print the day of week
Enter a number to print day of week
4
Wednesday
```

3. Write C++ Program to find the sum of the squares of first N natural numbers.

```
#include<iostream>
using namespace std;
int main()
{
    int i,num,sum=0;
    cout<<"Program to find the sum of the squares of first N natural numbers\n";
    cout<<"Enter a number";
    cin>>num;
    for (i=1;i<=num;i++)
    {
        sum=sum+i*i;
    }
    cout<<"The Sum of Squares of first"<<num<<"natural numbers is"<<sum;
    return 0;
}
```

Output

```
Program to find the sum of the squares of first N natural numbers
Enter a number10
The Sum of Squares of first 10 natural numbers is 385
```

4. Write C++ Program to check whether a number is palindrome or not.

```
#include <iostream>
using namespace std;
int main()
{
    int num, rev=0, temp, dig;
    cout<<"Program to check whether a number is palindrome or not\n";
    cout<<"Enter a number :";
    cin>>num;
    temp=num;
    while(temp>0)
    {
        dig=temp%10;
        rev=rev*10+dig;
        temp=temp/10;
    }
    if(num==rev)
    {
        cout<<num<<" is a Palindrome";
    }
    else
    {
        cout<<num<<" is not a Palindrome";
    }
    return 0;
}
```

Output

Program to check whether a number is palindrome or not
Enter a number:624
624 is not a palindrom

Program to check whether a number is palindrome or not
Enter a number:6226
6226 is a palindrom

PART B – HTML

5. Design a simple and attractive webpage for Kerala tourism. It should contain features like background color/image, heading, text formatting, image and font tags etc:-

```
<HTML>
  <HEAD>
    <TITLE>Kerala Tourism</TITLE>
  </HEAD>
  <BODY background="Keralam.jpg">

    <IMG src="Tourism.png" Border =2 height=75 width=100>

    <FONT face="Dyuthi" color="blue">
      <H1 align ="center">Kerala God's Own Country </H1>
    </FONT>

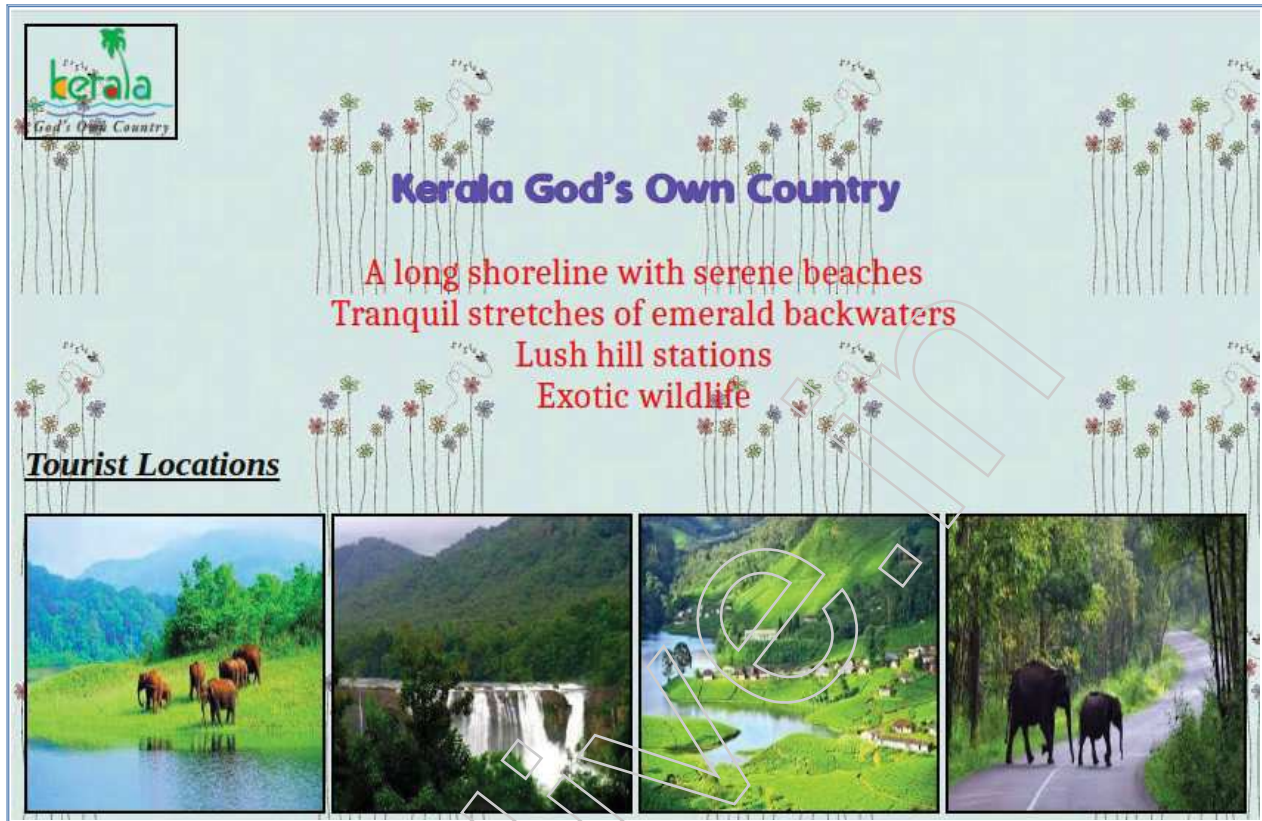
    <P align ="center">
      <FONT face="Caladea" size = 5 color="Red">
        A long shoreline with serene beaches<BR>
        Tranquil stretches of emerald backwaters<BR>
        Lush hill stations <BR>
        Exotic wildlife<BR>
      </FONT>
    </P>

    <H2><U><I>Tourist Locations</I></U></H2>

    <IMG src="Idukki.jpeg" height =200 width = 200 Border =2>
    <IMG src="Athirappalli.jpeg " height =200 width = 200 Border =2>
    <IMG src="Munnar.jpeg" height =200 width = 200 Border =2>
    <IMG src="Wayanad.jpeg" height =200 width = 200 Border =2>

  </BODY>
</HTML>
```

Output



6. Design a simple webpage about your school. Create another webpage named address.html containing the school address. Give links to school page to address.html

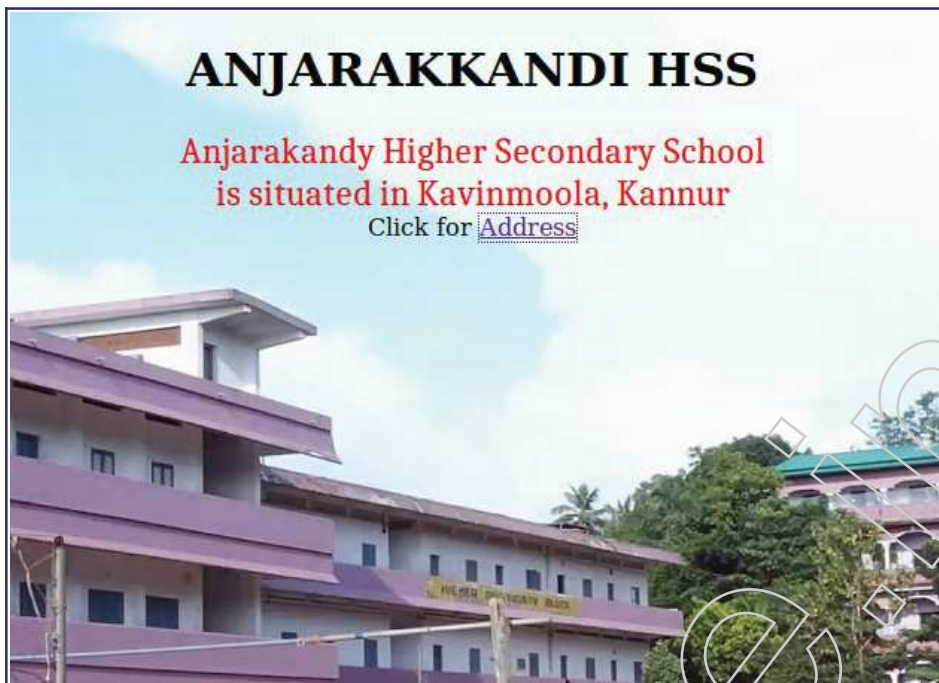
School.html

```
<HTML>
<HEAD>
<TITLE>MY SCHOOL</TITLE>
</HEAD>
<BODY background="Ahss.jpg">
<CENTER>
  <H1>ANJARAKKANDI HSS</H1>
  <FONT face="Caladea" size = 5 color="Red">
    Anjarakandy Higher Secondary School <BR>is situated in Kavinmoola, Kannur
  </FONT>
  <BR>
  Click for <A href="Address.html">Address</A>
</CENTER>
</BODY>
</HTML>
```

Address.html

```
<HTML>
<HEAD>
<TITLE>ADDRESS</TITLE>
</HEAD>
<BODY bgcolor="silver">
  <H1> MY SCHOOL ADDRESS</H1>
  <BR>
  <FONT face="Caladea" size = 5 color="Red">
    Anjarakkandi HSS<BR>Palayam Road<BR>
    Kavinmoola<BR>
    Anjarakkandi<BR>
    Mamba P O<BR>
    Kannur<BR>
    Kerala - 670611
  </FONT>
</BODY>
</HTML>
```


Output



MY SCHOOL ADDRESS

Anjarakkandi HSS
Palayam Road
Kavinmoola
Anjarakkandi
Mamba P O
Kannur
Kerala - 670611

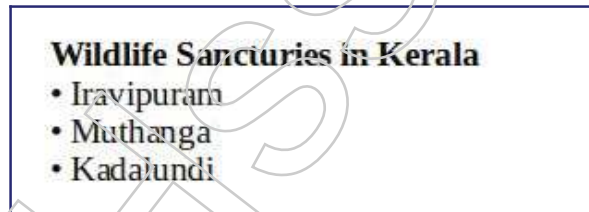
7.Design a webpage as shown below using appropriate list tags

Wildlife Sancturries in Kerala

- Iravipuram
- Muthanga
- Kadalundi

```
<HTML>
  <HEAD>
    <TITLE> UNORDERED LIST</TITLE>
  </HEAD>
  <BODY >
    <H2>Wildlife Sancturries in Kerala</H2>
    <UL>
      <LI>Iravipuram</LI>
      <LI>Muthanga</LI>
      <LI>Kadalundi</LI>
    </UL>
  </BODY>
</HTML>
```

Output



8. Design a web page containing a table as shown below.

Speed Limits in Kerala		
Vehicle	Within Corporation/Municipality (in Km/Hr)	In other Roads
Motor Cycle	40	50
Light Motor Vehicle	40	70
Heavy Motor Vehicle	35	60

```
<HTML>
  <BODY bgcolor="silver">
    <TABLE border = 1>
      <CAPTION>Speed Limits in Kerala</CAPTION>
      <TR align=left>
        <TH>Vehicle</TH>
        <TH>Within<BR>
Corporation/Municipality<BR>
(in Km/Hr)</TH>
        <TH>In other Roads</TH>
      </TR>
      <TR>
        <TD>Motor Cycle</TD>
        <TD>40</TD>
        <TD>50</TD>
      </TR>
      <TR>
        <TD>Light Motor Vehicle</TD>
        <TD>40</TD>
        <TD>70</TD>
      </TR>
      <TR>
        <TD>Heavy Motor Vehicle</TD>
        <TD>35</TD>
        <TD>60</TD>
      </TR>
    </TABLE>
  </BODY>
</HTML>
```

Output

Speed Limits in Kerala		
Vehicle	Within Corporation/Municipality (in Km/Hr)	In other Roads
Motor Cycle	40	50
Light Motor Vehicle	40	70
Heavy Motor Vehicle	35	60