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

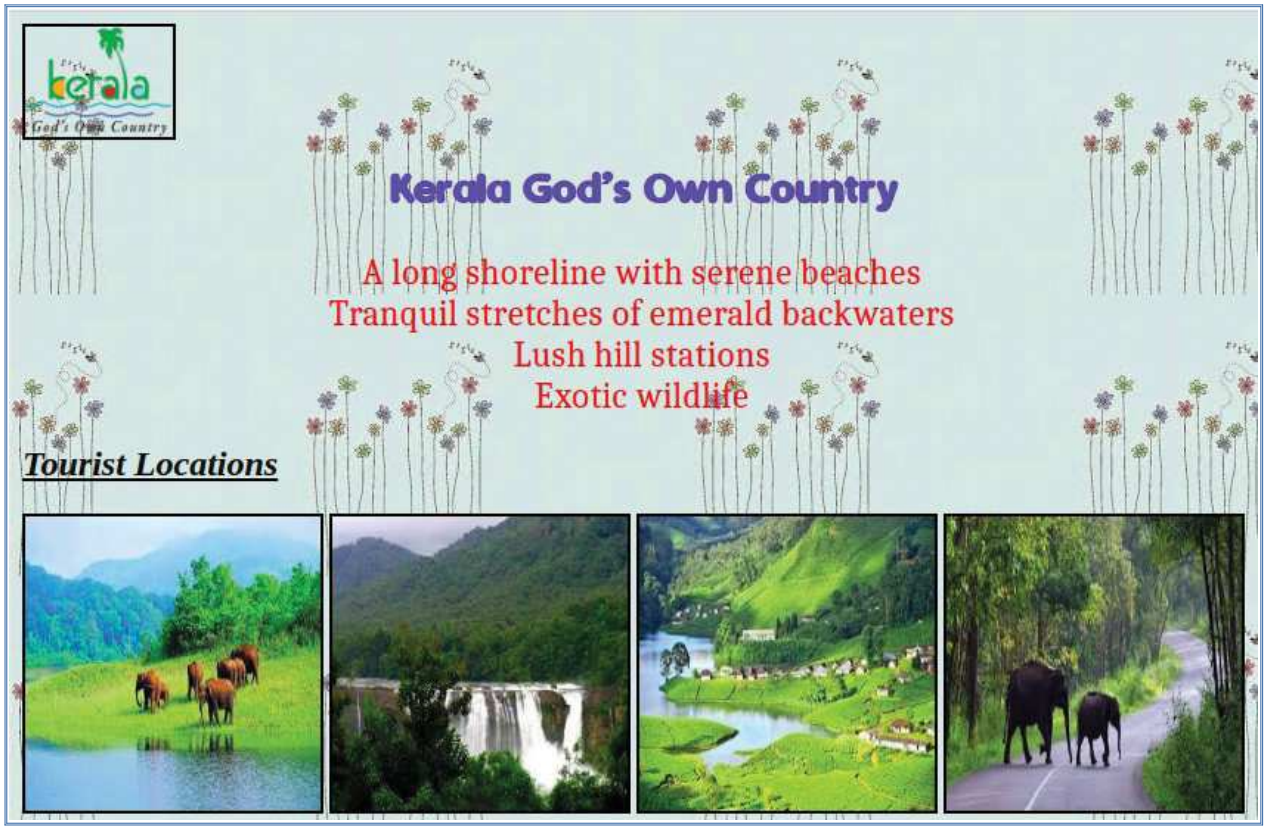
Program to check whether a number is palindrome or not
Enter a number:6226
6226 is a palindrom

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


kerala
God's Own Country
Kerala God's Own Country
A long shoreline with serene beaches
Tranquil stretches of emerald backwaters
Lush hill stations
Exotic wildlife
Tourist Locations

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

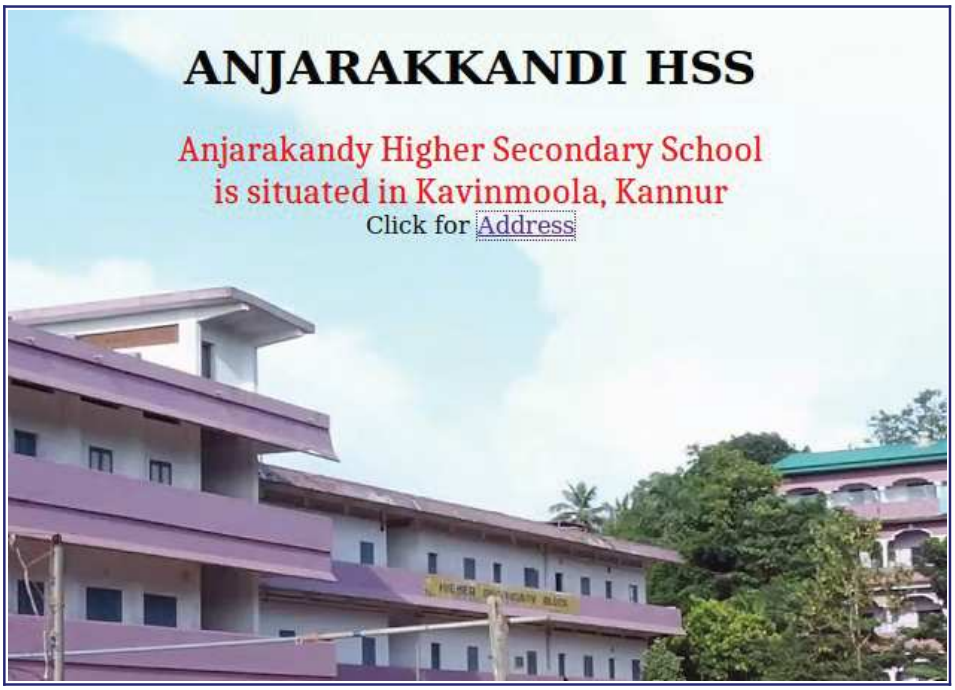
School.html

```
<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 Sancturies in Kerala
• Iravipuram
• Muthanga
• Kadalundi

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

Output

Wildlife Sancturies in Kerala
• Iravipuram
• Muthanga
• Kadalundi

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