

1. What is Enum in C? Give an example.
2. Write a program to declare an enum type year containing all months in a year and display second month.
3. What will be the output of the following C code?

```
#include <stdio.h>
enum example {a = 1, b, c};
enum example example1 = 2;
enum example answer()
{
    return example1;
}
int main()
{
    (answer() == a)? printf("yes"): printf("no");
    return 0;
}
```

4. In enumeration, the set of enumeration constant may contain a duplicate value. True/False?
5. What is the output of the following code?

```
#include<stdio.h>
int main ()
{
    enum pesu{July=0, Aug, Dec };
    enum pesu course = Dec;
    if (course ==0)
        printf("course is in July");
    else if(course ==1)
        printf("course is in Aug");
    if(course==2)
        printf("course is in Dec");
}
```

6. What is the benefit of using an enum rather than a #define constant?
7. What is the output of the following code?

```
#include<stdio.h>
enum City {Bangalore, Mysore=5, Mangalore, Pune};
int main ()
{
    printf("%d %d ",Mysore, Bangalore);
    enum City c=Pune;
    printf("%d %d", c*Mysore, c/Mysore);
    return 0;
}
```