

#pragma based questions

1. The preprocessor directive used to give additional information to the compiler, beyond which is conveyed in the language _____

- a) #include
- b) #define
- c) #pragma
- d) #elif

2. What will be the output of the following C code, if it is run on a 32 bit platform?

```
#include<stdio.h>
```

```
#pragma(1)
```

```
struct test
```

```
{
```

```
    int i;
```

```
    char j;
```

```
};
```

```
main()
```

```
{
```

```
    printf("%d",sizeof(struct test));
```

```
}
```

- a) Error
- b) 1
- c) 4
- d) 8

3. In the directive, #pragma pack(n), which of the following is not a valid value of n?

- a) 1
- b) 2
- c) 3
- d) 4

4. Which of the following attributes is used to specify that the minimum required memory to be used to represent the types?

- a) packed
- b) aligned
- c) unused
- d) deprecated

5. In the directive `#pragma pack(n)`, if the value of 'n' is given to be 5, then what happens?

- a) Error
- b) Warning but no error
- c) Executes the pragma statement
- d) Ignores the pragma statement and executes the program

6. The correct syntax of the attribute packed is _____

- a) `__attribute__((packed));`
- b) `_attribute(packed);`
- c) `_attribute_((packed));`
- d) `__attribute__(packed);`