



**uConnect Talent Hunt Scholarship**

**APPLICATION FORM**

Last date for form submission is **June 14, 2021**

Full Name:  Father's Name:

KIU Registration No.  Semester:  3<sup>rd</sup>  4<sup>th</sup>  5<sup>th</sup>  6<sup>th</sup>

Program:  BSCS  BSSE  BSIT

Phone No.  Email:

Address:

Familiarity with programming languages:  Basic  Intermediate  Advanced

Why did you choose to study CS/SE/IT? (Tell us about your interest in CS/SE/IT)

Personal Statement (Explain your career plans & goals after education)



## uConnect Talent Hunt Scholarship

### Selection Procedure

uConnect has decided on the following selection procedure for executing uConnect Talent Hunt Scholarship at Karakoram International University, Gilgit.

#### Announcement

- KIU scholarships department will formally advertise the announcement through proper channels.
- uConnect will also announce the scholarship on its social media channels and official website.

#### Procedure

- Once the scholarship is announced, students will be able to apply for the scholarship.
- Scholarship forms will be available at KIU. Students can also download forms at uConnect's website
- After the initial registration, students will have to appear in a short test/quiz.
- uConnect and The Department of Computer Sciences KIU will arrange the test.
- After the test students will be selected for a final interview.
- KIU scholarship committee will conduct the final interviews, representatives from uConnect and The Department of Computer Sciences will also be present during the interview process.
- In the final interview process talented & skilled students who also fall into the need based criteria will be considered for the scholarship.
- Finally, two students selected in the interview will be awarded the uConnect Talent Hunt Scholarship for one semester.
- This scholarship only covers the tuition fee of the selected students.

#### Test Details

- The test/quiz will be designed in a way that assesses talented students in IT skills especially programming.
- uConnect and IT department will prepare separate test paper for 3<sup>rd</sup> 4<sup>th</sup> semesters. Paper for 5<sup>th</sup> 6<sup>th</sup> semester students will be slightly advanced.
- uConnect and The Department of Computer Sciences KIU will finalize the questions for the test.

**Note:** Sample Questions for the test have been attached for your reference.



## uConnect Talent Hunt Scholarship

### Quiz – Sample Questions

1. Which of the following is not OOPS concept in Java?
  - a) Inheritance
  - b) Encapsulation
  - c) Polymorphism
  - d) Compilation
2. Which of the following is a type of polymorphism in Java?
  - a) Compile time polymorphism
  - b) Execution time polymorphism
  - c) Multiple polymorphism
  - d) Multilevel polymorphism
3. When does method overloading is determined?
  - a) At run time
  - b) At compile time
  - c) At coding time
  - d) At execution time
4. When Overloading does not occur?
  - a) More than one method with same name but different method signature and different number or type of parameters
  - b) More than one method with same name, same signature but different number of signature
  - c) More than one method with same name, same signature, same number of parameters but different type
  - d) More than one method with same name, same number of parameters and type but different signature
5. Which concept of Java is a way of converting real world objects in terms of class?
  - a) Polymorphism
  - b) Encapsulation
  - c) Abstraction
  - d) Inheritance
6. Which concept of Java is achieved by combining methods and attribute into a class?
  - a) Encapsulation
  - b) Inheritance
  - c) Polymorphism
  - d) Abstraction

7. What is it called if an object has its own lifecycle and there is no owner?

- a) Aggregation
- b) Composition
- c) Encapsulation
- d) Association

8. What is it called where child object gets killed if parent object is killed?

- a) Aggregation
- b) Composition
- c) Encapsulation
- d) Association

9. Method overriding is combination of inheritance and polymorphism?

- a) True
- b) false

10. Class with main() function can be inherited (True/False)

- a) True
- b) False

11. Which among the following defines single level inheritance?

- a) One base class derives another class
- b) One derived class inherits from one base class
- c) One base class inherits from one derived class
- d) One derived class derives from another derived class

12. Which language doesn't support single level inheritance?

- a) Java
- b) C++
- c) Kotlin
- d) All languages support it

13. How do you instantiate an array in Java?

- a) `int arr[] = new int(3);`
- b) `int arr[];`
- c) `int arr[] = new int[3];`
- d) `int arr() = new int(3);`

14. What is the output of the following piece of code?

```
public class array
{
    public static void main(String args[])
    {
        int []arr = {1,2,3,4,5};
        System.out.println(arr[2]);
        System.out.println(arr[4]);
    }
}
```

- a) 3and5
- b) 5and3
- c) 2and4
- d) 4and2

15. If members of a super class are public, then \_\_\_\_\_

- a) All those will be available in subclasses
- b) None of those will be available in subclasses
- c) Only data members will be available in subclass
- d) Only member functions will be available in subclass