

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – NETWORKING AND MOBILE APPLICATIONS

iOS PROGRAMMING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 x 1 = 10)

1. The IDE Used In Swift Is
(i) Swiftc (ii) Gas
(iii) Xcode (iv) Ld
2. Which keyword is used to create constant in Swift
(i) Conts (ii) let
(iii) Constants (iv) ld
3. What statement can be used to stop the execution of a loop, if, or switch statement?
(i) stop (ii) execute
(iii) damper (iv) break
4. Which operator specifies a range between two values a and b?
(i) full open range (ii) full close range
(iii) half close range (iv) half open range
5. Which keyword is used to define a function?
(i) var (ii) string
(iii) func (iv) struct
6. Which expression creates a closure in Swift?
(i) Parameter (ii) Defined
(iii) Closure Expression (iv) control
7. The collection types in Swift are:
(i) Array and Library (ii) Dictionary and Array
(iii) Dictionary and Library (iv) Array and List
8. Which of the following keyword is used to restrict the inheritance
(i) Const (ii) self
(iii) final (iv) break
9. Which among the following array declarations is invalid?
(i) var arrayOfStrings: [String] = [] (ii) let arrayOfUInt8s: [UInt8] = [2, 6, 8]
(iii) var arrayOfStrings = Array<String>() (iv) var arrayOfStrings = [String]
10. How to get enum value's corresponding raw value?
(i) .rawValue (ii) .raw
(iii) .value (iv) .getRawValue

Cont...

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 5 = 25)

11. a) Outline the benefits of iOS.
(OR)
b) Describe datatypes in swift.
12. a) Explain range operators in swift.
(OR)
b) How to break loops in swift? Give an example.
13. a) Compare Break and Fallthrough in swift.
(OR)
b) Describe closure in swift.
14. a) Summarize self in swift.
(OR)
b) Explain overriding of method in swift.
15. a) How to add and remove entries in Dictionaries.
(OR)
b) Classify the types of error in swift.

SECTION - C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 8 = 40)

16. a) Explain the architecture of iOS.
(OR)
b) Enumerate swift tuple with an example.
17. a) Classify the operators in swift.
(OR)
b) Illustrate looping statement in swift.
18. a) Explain switch statement in swift.
(OR)
b) Elucidate functions in swift.
19. a) Discuss calling methods and accessing properties of class in swift.
(OR)
b) Illustrate the inheritance with an example.
20. a) Enumerate dictionaries in swift.
(OR)
b) Explain throwing an error in swift.

Z-Z-Z

END