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**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_

# End Semester Examination – Nov/Dec - 2016

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|  |  | **Semester :** | **2016-17 ODD** |
| **Code :** | **09BI217/12BI219** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **PERL Programming** | **Max. marks :** | **100** |

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| **Q. No** | **Questions** | | **Marks** |
| **PART-A(10X1=10 MARKS)** | | | |
| 1. | | What is Splicing of arrays? | (1) |
| 2. | | Mention the difference between die and exit in PERL? | (1) |
| 3. | | Where can you find the modules which do not come with PERL? | (1) |
| 4. | | What is the alternate syntax for globing? | (1) |
| 5. | | How a fixed number of iterations is performed in a **“for”** loop? | (1) |
| 6. | | What is PERL? What is the basic command to print a String in PERL? | (1) |
| 7. | | What are the benefits of having global and local variables? | (1) |
| 8. | | What is a hash? | (1) |
| 9. | | How to replace every TAB character in a file with a comma? | (1) |
| 10. | | List the comparison operators used for comparing strings in PERL. | (1) |

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| **PART B(5 X 3= 15 MARKS)** | | |
| 11. | How to create a function that is only available inside the scope where it is defined? | (3) |
| 12. | How many types of primary data structures are there in PERL and what do they mean? | (3) |
| 13. | Explain what is STDIN, STDOUT and STDERR? | (3) |
| 14. | What is the difference between for and foreach? | (3) |
| 15. | How to return a value from a subroutine? Explain with an example. | (3) |

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| **PART C(5 X 15= 75 MARKS)** | | |
| 16. | How many types of operators are used in the PERL? Explain with suitable example. | (20) |
| (OR) | | |
| 17. | What are Metacharacters and character class? Explain different metacharacters and character class used in PERL. | (20) |
| 18. | Write a short note on arrays in PERL. | (20) |
| (OR) | | |
| 19. | What is regular expression? What are the different types of regular expression operators in PERL? Illustrate with suitable example different Metacharacters used in regular expression. | (20) |
| 20. | How can subroutines be defined in PERL? What is syntax to invoke a subroutine and pass arguments to it? | (20) |
| (OR) | | |
| 21. | Discuss about the Loops and Decisions in PERL. | (20) |
| 22. | What are the different modes to open a file? Explain with a suitable example of writing to a file in PERL. | (20) |
| (OR) | | |
| 23. | What are the different types DBM Implementation? Explain in detail about accessing DBM Databases. | (20) |
| 24. | Write a program to reverse transcribe RNA to DNA. | (20) |
| (OR) | | |
| 25. | Write a program to report how GC-rich some sequence is. | (20) |

ALL THE BEST