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| **PERIODIC TEST I - (2022-23)** | | | |
| **SUBJECT: COMPUTER SCIENCE (ANSWER KEY)**  **GRADE: XI** | | MAX. MARKS: 35TIME: 1 Hr. 15 Mins | |
| 1. | Microprocessor | | 1 |
| 2. | 1. False 2. True | | 1 |
| 3. | System software are divided into following two categories :   1. Operating system 2. Language processor | | 1 |
| 4. | 1. c) any one input is high | | 1 |
| 5. | String type | | 1 |
| 6. | Valid identifiers: firstname, \_name1 | | 1 |
| 7. | d) 64 | | 1 |
| 8. | Output: | | 2 |
| 9. | Four functions of an operating system are:  Process Management, Memory Management, File Management and Device Management | | 2 |
| 10. |  | | 2 |
| 11. | n1=int(input("Enter a 2 digit no: "))  r=n1%10  rn=r\*10+n1//10  print("The reversed number: ",rn) | | 2 |
| 12. | When the software to be used has to be purchased from the vendor who has the copyright of the software, then it is a proprietary software. Examples of proprietary software include Microsoft Windows, Tally, Quickheal, etc.  Some software developers provide their source code as well as the software freely to the public, with an aim to develop and improve further with each other’s help. Such software is known as Free and Open Source Software (FOSS). For example, operating system Ubuntu, python | | 2 |
| 13. | n=**int**(input(“Enter a number:”)**)**  print**( n\*\*2)**  **n=n+2** | | 2 |
| 14. | In Implicit conversion, Python automatically converts one data type into another data type. Users don’t have to involve in this process.  Example:  a=7  b= 3.0  c=a+b  print(c) ---- will display 10.0, Here c is automatically converted to type float. In Explicit conversion, Python need user involvement to convert the variable data type into another data type in order to the operation required. This is done mainly with the functions int(),float() and str()  Example:  n **=** float(a) | | 2 |
| 15. | bp=100  fp=0  print("Boiling point of water on Fahrenheit scale is ", bp\*(9/5)+32,"F")  print("Freezing point of water on Fahrenheit scale is", fp\*(9/5)+32,"F") | | 2 |
| 16. |  | | 3 |
| 17. | a) (1001010)2 = (74)10  b) (9E1A)16  = (1001111000011010)2  c) (76)10 = (114)8 | | 3 |
| 18. | Output: | |  |
| 19. | net=float(input("Enter net sales amount: "))  vat=net\*5/100  gross=net+vat  print("KARE MARKET")  print("-"\*10)  print("Net Sales Amount: ",net)  print("VAT: ",vat)  print("Gross Sales Amount: ",gross) | |  |

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