**Initial system questionnaires**

1. Which two numbers should replace the question marks? 19, 20,21,?,?, 26, 28, 32, 33, 40

a) 22 and 23

b) 22 and 24

c) 22 and 25

d) 23 and 25

2. 10, 10, 9, 7, 7, ?, 4, 4, 3, 1 What number should replace the question mark?

a) 7

b) 8

c) 5

d) 6

3. How many minutes is it before 12 noon if 1 hour 39 minutes ago it was twice as many minutes past 8 am?

a) 35 minutes

b) 30 minutes

c) 47 minutes

d) 60 minutes

4. A bag of potatoes weighs 50 lbs divided by half of its weight. How much does the bag of potatoes weigh?

a) 5 lb

b) 25 lb

c) 50 lb

d) 10 lb

5. How many cases do you need if you have to pack 112 pairs of shoes in to cases that each hold 28 shoes?

a) 5

b) 10

c) 8

d) 15

6. What is the value of –26 – –37?

a) -10

b) 11

c) -11

d) 10

7. Gordon is twice as old as Tony was when Gordon was as old as Tony is now. The combined age of Gordon and Tony is 112 years. How old are Gordon and Tony now?

a) Gordon 64 and Tony 48

b) Gordon 48 and Tony 64

c) Gordon 60 and Tony 30

d) Gordon 48 and Tony 48

8. 329 : 15/n 746 : 34/n Which numbers below have the same relationship to each other as the two sets of numbers above?

a) 287 : 22

b) 698 : 62

c) 942 : 68

d) 382 : 12

9. The average of three numbers is 29. The average of two of these numbers is 38. What is the third number?

a) 10

b) 22

c) 11

d) 20

10. HILT is to LMPY as DENS is to ????

a) HIRX

b) SNED

c) RTYK

d) KAWE

11. Who developed Python Programming Language?

a) Wick van Rossum

b) Rasmus Lerdorf

c) Guido van Rossum

d) Niene Stom

12. Which type of Programming does Python support?

a) Object-oriented programming

b) Structured programming

c) Functional programming

d) All of the mentioned

13. Which of the following is the correct extension of the Python file?

a) .pl

b) .py

c) .p

d) .python

14. What will be the value of the following Python expression? 4 + 3 %5

a) 7

b) 2

c) 4

d) 1

15. Which keyword is used for function in Python language?

a) Function

b) Def

c) Fun

d) Define

16. What will be the output of the following Python code snippet if x=1? X<<2 ?

a) 4

b) 2

c) 1

d) 8

17. Which module in the python standard library parses options received from the command line?

a) getarg

b) getopt

c) main

d) os

18. What arithmetic operators cannot be used with strings in Python?

a) \*

b) –

c) +

d) All of the mentioned

19. Which of the following statements is used to create an empty set in Python?

a) ()

b) []

c) {}

d) Set()

20. Which of the following is invalid?

a) \_a = 1

b) \_\_a = 1

c) \_\_str\_\_ = 1

d) None of the mentioned