PYTHON FA-1 EXAM

SCHOOL NAME: - _____

NAME: - _____   **CLASS: -** _____

ROLL NO: - _____   **MOBILE NO: -** _____

1. The computer follows stepwise instructions to complete any task, which is known as _____.
   a) Program   b) Instruction   c) Software

2. The _____ window appears where you can draw and paint your own Sprite.
   a) Sprite   b) Costumes   c) Backdrop

3. A _____ is an instruction to do a particular task in a program.
   a) Command   b) Program   c) Code block

4. A _____ is a group of commands which is listed together.
   a) List   b) Control   c) Program

5. Which block would you use to make a sprite to move up for 10 steps?
   a) Change y by -20   b) Change x by -10   c) Change y by 10

6. Which block is used to choose a random number between 1 to 10?
   a) Pick random 2 to 10   b) Pick random 1 to 10
   c) Choose random 1 to 10

7. If ball is touching left goal which score should increase by 1?
   a) Right score   b) Left score   c) Right and Left score

8. Which block would you use to say something?
   a) Say Hello for 2 seconds   b) Think Hello for 2 seconds
   c) Speak Hello for 2 seconds

9. Which block is used to change the backdrop?
   a) Change backdrop   b) Switch backdrop   c) Choose backdrop

10. "Go to x: 0 y: 0" defines what position of the stage?
    a) Center   b) Top   c) Bottom

11. If the sprite goes up from the center of the stage, what would be the value of y?
    a) Neutral   b) Negative   c) Positive

12. If the sprite goes left from the centre of the stage, what would be the value of x?
    a) Positive   b) Negative   c) Neutral

13. Which extension helps you to draw on Scratch?
    a) Draw   b) Pen   c) Color

14. Which character is used in this program?
    a) Gobo   b) Elephant   c) Monkey

15. Which command is used to make a sprite to fix in a position?
    a) Go to random position   b) Glide 1 sec to x: y:
    c) Go to x: y:

16. Which command stores the answer that you have entered in the ask box?
    a) Answer   b) Result   c) Score

17. Which command is used to compare two things whether they are equal or not?
    a) >   b) <   c) equal

18. Choose the correct statement which explains the if-else condition
    a) If-else is a logical statement used to repeat a set of instructions
    b) If-else is used to store values into it
    c) If-else statement executes a block of code if a specified condition is true.
       If the condition is false, another block of code can be executed.

19. _____ is controlled mainly pixels.
    a) Vector   b) Bitmap modec) Zoom in

20. Vector is _____.
    a) Image-based b) Picture-based   c) Motion-based

21. If right arrow key is pressed, then what should happen?
    a) Change speed by 2   b) Set speed to 0
    c) Change speed by 1

22. If speed is greater than 0, then what should happen?
    a) Change speed by -1   b) Set speed to -1
    c) Set speed to 2

23. When flag is clicked, forever change x by _____.
    a) 10   b) -1   c) Speed

24. What should be the value of x velocity after flag is pressed?
    a) 1   b) 0   c) -1

25. The value of gravity should be decreased by ___ forever.
    a) -1   b) 0   c) 1

PYTHON FA-2 EXAM

SCHOOL NAME: - _____

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01. The motive of platform game is _____.
      a) To bounce on each hurdle, jump on the key.
      b) o jump and move on all the hurdles, jump on the key.
      c) To directly jump on the key.

02. Which tool should you use to draw the hurdle?
      a) Line b) Rectangle   c) Text

03. If right arrow key is pressed, then _____.
      a) Change x velocity by 2   b) Change x velocity by 1
      c) Change x velocity by -1

04. _____ is variable.
      a) Motion   b) Movement   c) Action

05. You Jump in the air and your initial force is slow down by other force called _____.
      a) Movement   b) Magnetic   c) Gravity

06. When flag is clicked, forever _____.
      a) Change x by 10   b) Change by 1 c) Change x by x velocity

07. If x velocity is greater than 0, then _____.
      a) Change x velocity by -1   b) Change x velocity by 1
      c) Change speed by 1

08. The motive of Fruit Ninja game is _____.
      a) To cut the fruit and gain score   b)To cut the fruit , the bomb and gain score
      c) To cut the fruit, escape from the bomb and gain score

09. Game is over when you _____.
      a) Smash the fruit   b) Smash the bomb   c) Escape the bomb

10. Get start the fruit ninja program by _____.
      a) Setting up all the sprite   b) Setting up the code on the sprite
      c) Setting up the backdrop

11. When do you broadcast start?
      a) Up arrow key is pressed   b) Down arrow key is pressed
      c) Space key is pressed

12. After receiving Start, _____
     a) Broadcast Level   b) Broadcast Launch   c) Broadcast Move

13. Which of the following is invalid?
     a) _a = 1   b) __str__ = 1   c) __a = 1

14. Which of the following is true for variable names in Python?
     a) unlimited length   b) all private members must have leading and trailing underscores
     c) none of the mentioned

15. Which of the following cannot be a variable?
     a) on   b) __init__   c) in

16. Which is the correct operator for power(xy)?
     a) X**y   b) X^y   c) X^^y

17. What is the answer to this expression, 22 % 3 is?
     a) 7   b) 1   c) 8

18. Operators with the same precedence are evaluated in which manner?
     a) Right to Left b) Can't say   c) Left to Right

19. What will be the output of the following Python code?
     class Truth:
             pass
     x=Truth()
     bool(x)

     a) FALSE   b) pass   c) TRUE

20. What will be the output of the following Python code?
     if (9 < 0) and (0 < -9):
             print("hello")
     elif (9 > 0) or False:
             print("good")
     else:
             print("bad")

     a) good   b) error   c) bad

21. What will be the output of the following Python code snippet?
     not(10<20) and not(10>30)

     a) TURE   b) FALSE   c) Not Sure

22. What will be the output of the following Python statement?
     "a"+"bc"

     a) bca   b) cab   c) abc

23. What will be the output of the following Python code?

```
print (r"\nhello")
```

a) \nhello   b) the letter r and then hello   c) a new line and hello

24. What will be the output of the following Python code?

```
print("Hello {name1} and {name2}".format(name1='foo', name2='bin'))
```

a) Hello {name1} and {name2}   b) Hello foo and bin   c) Hello and

25. What will be the output of the following Python code?

```
x = ['ab', 'cd']
for i in x:
    i.upper()
print(x)
```

a) ['ab', 'cd']   b) ['AB', 'CD']   c) [None, None]