

Emerald Heights International School — Indore

Class 8 – Computer / Programming Test

Section A: Fill in the Blanks / One Word / Short Answer (10 marks)

1. In HTML, the tag used to embed an image is _____.
2. The attribute inside <a> tag that indicates the target URL is _____.
3. In Python, the statement if $x > 0$: is a form of a _____ statement.
4. A loop that repeats a block of code while a condition is true is the _____ loop.
5. The HTML tag <video> can include an attribute _____ to specify the video file source.
6. To generate a random integer between 1 and 10 in Python, one may use:
random._____ (1, 10).
7. In HTML, the tag <iframe> is used to embed _____ in a page.
8. A game in which the user guesses a number and the computer says “higher / lower / correct” is called a _____ game.
9. In Python, elif is short for _____.
10. The HTML tag used to create a table row is _____.

Section B: Multiple Choice Questions (10 marks)

1. Which HTML tag is used for the largest heading? a) <h6> b) <h1> c) <heading> d) <head>
2. Which of the following is a valid loop in Python? a) repeat ... until b) for i in range(5): c) loop i = 0 to 5 d) do { ... } while
3. What does Send mail do? a) Opens email client b) Downloads a file c) Adds an image d) Plays audio
4. Which Python statement is used to stop a loop prematurely? a) exit b) break c) stop d) continue
5. In HTML, which tag is used to add a horizontal line? a) <line> b) <hr> c) <hl> d)

6. Which of the following is correct syntax to embed a video? a) <video src='movie.mp4'> b) <movie src='movie.mp4'></movie> c) <vid src='movie.mp4'> d) <video link='movie.mp4'>
7. What is the output of the following Python snippet? x = 3 if x > 5: print('Big') else: print('Small') a) Big b) Small c) Nothing d) Error
8. In a Rock-Paper-Scissors game, which of these is not a valid move? a) Rock b) Paper c) Scissors d) Fire
9. What does <iframe src='page.html'></iframe> do? a) Creates a clickable link b) Embeds another HTML page c) Inserts an image d) Plays video
10. The continue statement in Python does what? a) Exits the loop entirely b) Skips current iteration c) Restarts program d) Jumps to end of program

Section C: Name / List (10 marks)

1. Name any 5 HTML tags you have learned (aside from and).
2. Name 5 built-in functions or modules in Python that are often used in simple games.

Section D: Short / Medium Answer / Code Writing (15 marks)

1. Define (in 2–3 lines each): a) Control statements b) Iteration c) Anchor / hyperlink in HTML
2. Write a Python program that asks the user to input two numbers, then prints which one is greater or if they are equal.
3. Write HTML code that shows a heading “My Hobby”, a paragraph describing your hobby, an image with width 300px, and a link to your favorite website labeled “Visit Site”.

Section E: Debug / Complete / Find Errors (10 marks)

1. The following Python code has errors. Find and correct them:
num = input('Enter a number') if num % 2 = 0: print('Even number') else: print('Odd number')
2. Complete the HTML code so that it becomes a valid, minimal HTML document (with proper , , ,), and add inside body a heading 'Welcome' and a paragraph 'I love coding.'
3. Below is a snippet for a number-guessing game. Fill in the blanks:
import random secret = random.randint(1, 20) guess = int(input('Guess the number (1-20): ')) if
guess __ secret: print('Too low!') elif guess __ secret: print('Too high!') else: print('You guessed it!')

Section F: Higher■Order / Application / Design Question (5 marks)

Design (in pseudocode or Python) a simple Quiz Game with these features:

- Ask the user 3 multiple-choice questions.
- Keep track of how many the user answered correctly.
- At the end, display 'You got X out of 3 correct.'
- (Optionally) If the user scores 3/3, show 'Excellent!'