Python Dictionaries Exam - Answers by Daud

Student Name: Daud

Date: 2025-07-29

Part 1: Multiple Choice Questions (MCQs) - Answers

- 1. (c)
- 2. (c)
- 3. (a) [Note: Raises KeyError, not generic 'Error']
- 4. (b) [Note: It overwrites the key's value]
- 5. (d) [Note: Tuples are valid keys only if they contain immutable types]
- 6. (a) [Note: Question context was incomplete]
- 7. (b)
- 8. (b)
- 9. (a)
- 10. (b)
- 11. (c)
- 12. (b)

Part 2: Structured Questions - Answers

- 13. A dictionary is a built-in data type that stores data in key-value pairs using {}. It is ordered (3.7+), changeable, unindexed, and does not allow duplicate keys.
- 14. dict.get(key) returns None or default value if the key doesn't exist; dict[key] raises KeyError.
- 15. Expression: if "name" in thisdict:
- 16. car["year"] = 2020 or car.update({"year": 2020})
- 17. Using dict.copy() or dict() constructor.
- 18. {'a': 0, 'b': 0}
- 19. [Incorrect] Correct answer: dict1 | dict2 (Python 3.9+)
- 20. Keys must be unique and immutable; accessing a missing key raises KeyError.
- 21. {'y': 2}
- 22. setdefault() returns value if key exists; sets and returns default if not.

Python Dictionaries Exam - Answers by Daud

```
Example:
d = {"x": 1, "y": 2}
mydict = d.setdefault("x", 1)
print(mydict) # Output: 1
Part 3: Real Coding Questions - Answers and Feedback
23.
student = {"name" : "john", "age" : 25, "grade": "A"}
print(student)
24. Function not fully complete or logical for the task. A correct version:
def get_numeric_keys(d):
  return [k for k, v in d.items() if isinstance(v, (int, float))]
25.
keys = ["name", "age", "gender"]
values = ["Ali", 25, "Male"]
mydict = dict(zip(keys, values))
26. Acceptable but not dictionary-based. Recommended:
counter = {}
for word in words:
  counter[word] = counter.get(word, 0) + 1
27. Long but correct. Shorter version:
for k in mydict:
  mydict[k] *= 1.10
28. Correct solution:
def swap_dict(d):
```

Python Dictionaries Exam - Answers by Daud

