

Table of contents

Preface ix

Acknowledgments x

SECTION 1 ANATOMY

CHAPTER 1 DIRECTIONAL TERMS 3

CHAPTER 2 THE COMMON INTEGUMENT 6

CHAPTER 3 SKELETAL ANATOMY 10

CHAPTER 4 MUSCLE ANATOMY 21

CHAPTER 5 THE ANATOMY OF JOINTS 32

CHAPTER 6 ANATOMY OF THE NERVOUS SYSTEM 36

CHAPTER 7 ANATOMY OF THE URINARY TRACT 41

CHAPTER 8 CARDIOVASCULAR ANATOMY 45

CHAPTER 9 ANATOMY OF THE DIGESTIVE SYSTEM 53

CHAPTER 10 ANATOMY OF THE ENDOCRINE SYSTEM 61

CHAPTER 11 RESPIRATORY ANATOMY 65

CHAPTER 12 REPRODUCTIVE ANATOMY 69

SECTION 2 PHYSIOLOGY

CHAPTER 13 THE CELL 75

CHAPTER 14 FUNCTIONS OF THE COMMON INTEGUMENT 78

CHAPTER 15 OSTEOLOGY 84

CHAPTER 16 MUSCLE PHYSIOLOGY 88

CHAPTER 17 SENSORY PHYSIOLOGY 92

CHAPTER 18 NEUROPHYSIOLOGY 97

CHAPTER 19 RENAL PHYSIOLOGY 102

CHAPTER 20 CARDIOVASCULAR PHYSIOLOGY 106

CHAPTER 21 DIGESTIVE PHYSIOLOGY 112

CHAPTER 22 ENDOCRINE PHYSIOLOGY 118

CHAPTER 23 RESPIRATORY PHYSIOLOGY 124

CHAPTER 24 REPRODUCTIVE PHYSIOLOGY 131

Appendices

1. Dissection Notes 135

2. The Cranial Nerves 136

3. Selected Muscle Origins and Insertions 137

Answers 138

Glossary 142

References 145

Index 146