Animal Biology and Care. 3rd Edition

Description: The perfect study companion, Animal Biology and Care, 3rd Edition is specifically designed for students on animal care, animal nursing assistant and veterinary care assistant courses. This edition is fully updated with new course content, a refreshed design and colour illustrations throughout. Basic biological theory is introduced with diagrams for visual learners while photographs demonstrate the common practical procedures carried out by animal care assistants.

Key features include:

- New content on exotic species, recognising the increasing number of these animals kept as pets.
- Extensive coverage of the Animal Welfare Act 2006 and recent advances in animal welfare.
- Written in line with course curricula, chapter summaries help you to remember key points and learning objectives.
- A companion website at [company website with interactive MCQs to help you test your knowledge.

Divided into three main sections covering animal science and genetics, health and husbandry and nursing procedures, this book will help lay the foundations for a successful career in animal care and management!

Contents:

Preface xi
Acknowledgments xii
Companion Website xiii
Section 1 Animal Biology 1
Chapter 1 Cells and Basic Tissues 3
Summary 3
What is Biology? 3
Cells 6
Animal Tissues 6
Blood 9
Bone and cartilage 13
Muscular tissue 14
Nervous tissue 16
Chapter 2 Movement of Materials within the Body 17
Summary 17
Diffusion 17
Osmosis 18
Phagocytosis 19
Active transport 19
Body fluid 19
Acids and bases in the body 20
Tissue fluid and the lymphatic system 20
The lymphatic system 21
Functions of the lymphatic system 22
Chapter 3 Body Systems and Functions 24
Summary 24
The circulatory system 24
The respiratory system 31
The digestive system 40
The urinary system 51
The nervous system 53
The endocrine system 59
The sense organs 62
The skin 66
The skeleton 68
The reproductive system 73
Homeostasis 79
Chapter 4 Basic Genetics 81
Summary 81
What is genetics? 81
Why is genetics important? 81
Important events in the history of genetics 81
Chromosomes, genes and DNA 82
Genetic terms 83
Cell division 83
Breeding and genetics 87
Chapter 5 Body Areas 89
Summary 89
Thoracic cavity 89
Abdominal cavity 89
Section 3 Nursing 271
Chapter 18 First Aid and Nursing 273
Summary 273
First aid 273
Evaluating situations requiring first aid intervention 274
Poisons 282
Insect stings 283
Bleeding or haemorrhage 283
Shock 285
Heat stroke (hyperthermia) 287
Hypothermia 288
Bone fractures 289
Wounds 290
Types of wound 291
Eye injuries 292
Chapter 19 Basic Bandaging 294
Summary 294
Reasons for bandaging 294
Aims of bandaging 295
Rules for bandaging 296
Application 296
Chapter 20 The Hospital Environment 299
Summary 299
Environmental temperature in the hospital environment 300
Hygiene and cleaning 301
Routine room cleaning 302
Chapter 21 The Hospitalised Patient 308
Summary 308
Records and monitoring 308
Observation 308
Feeding and watering 309
Hygiene 310
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Animal Biology and Care. 3rd Edition
Web Address: http://www.researchandmarkets.com/reports/2785573/
Office Code: SCDKTLXP

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Paper back):</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: __________________________ Last Name: __________________________
Email Address: * __________________________
Job Title: __________________________
Organisation: __________________________
Address: __________________________
City: __________________________
Postal / Zip Code: __________________________
Country: __________________________
Phone Number: __________________________
Fax Number: __________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World