

Appendix A

Study Guide for the California Practice Standards and Jurisprudence Examination for Pharmacists (CPJE)

The content outline for the California Practice Standards and Jurisprudence Examination for Pharmacists (CPJE) was updated in April 2011. It is available at www.pharmacy.ca.gov/publications/phy_handbook_psi.pdf (pp. 11-12).

The name of the examination appropriately reflects its focus on the clinical aspects of the practice of pharmacy as well as on pharmacy law. This study guide therefore includes useful references to the clinical practice materials published by the Board and specifically mentioned in its exam handbook: its *Health Notes* series and articles published in its newsletter, *The Script*. Both are available at www.pharmacy.ca.gov/publications/publications.shtml.

Guide to the Chart: The left-hand column is the content item from the Board's detailed content outline. The second column indicates the pages of this text that provide information relevant to that content item; listed are chapter numbers and, in parentheses, page numbers. Where a chapter is noted without specific page numbers, the entire chapter is relevant to the subject being tested.

The third column points to articles in the Board's *Health Notes* series relevant to items in the content outline. *Health Notes* titles are abbreviated as follows: Alternative Medicine (Alt. Med.), Care of Children & Adults with Developmental Disabilities (Devel. Dis.), Drug Therapy Considerations in Older Adults (Older Adults), Pain Management (Pain Mgt.), Pharmacist Involvement in Anticoagulant Therapy (Anticoag.), Quality Assurance (QA), and Women's Health (WH). Section titles in those publications are also abbreviated. Where no sections are noted, much of the issue is relevant. The *Health Notes* issues are cited only to those items in the content outline to which they are most directly relevant.

The fourth column refers to issues of *The Script* by issue date and, in parentheses, page number.

A column titled *Rx for Good Practice* appeared in *The Script* from 2000 through 2004 and again in 2010 and 2011. It addresses pharmacy practice issues that could appear in a jurisprudence examination. The questions and answers in the 2000-2004 columns, which are indexed by subject in the March 2004 issue of *The Script* (www.pharmacy.ca.gov/publications/04_mar_script.pdf, p. 19), are not individually referenced in this study guide, but many of them remain a valuable source of study material. Review of these columns and other legal materials in *The Script* should be done by reading the most recent publications first, because subsequent legal developments may have made earlier statements inaccurate.

CONTENT ITEM	TEXT	Health Notes	The Script
1. Patient Medications	VI, VIII, IX, X	Alt. Med. (Legal Cons., Dietary Supps.)	-----
A. Organize and Evaluate Information	VI, IX, X	-----	-----
(1) Obtain information from the patient/patient's representative for patient profile (diagnosis or desired therapeutic outcome, allergies, adverse reactions, medical history, etc.)	X (196), XI (226)	-----	-----
(2) Obtain information from prescriber and/or health care professionals for patient profile (diagnosis or desired therapeutic outcome, allergies, adverse reactions, medical history, etc.)	X (196), X (204-206)	-----	-----
(3) Assess prescription/medication order for completeness, correctness, authenticity, and legality	VI (106), IX (186-187), X (196), XII (238-245)	-----	(almost all issues of <i>TS</i> cover this subject)
(4) Assess prescription/medication order for appropriateness (e.g., drug selection, dosage, drug interactions, dosage form, delivery system)	IX (183-184, 186-189)	Anticoag. (Drug Approaches to the Treatment), Pain Mgt.	-----
(5) Evaluate the medical record/patient profile for any or all of the following: disease states, clinical condition, medication use, allergies, adverse reactions, disabilities, medical/surgical therapies, laboratory findings, physical assessments and/or diagnostic tests	IX (183-184), X (196)	-----	-----
(6) Evaluate the pharmaceutical information needs of the patient/patient's representative	VI (106), X (196-201)	Devel. Dis. (Info. for Caregiver, Parts 2 & 3)	-----
(7) Assess prescription/medication order for insurance coverage	VI (109, 114), IX (190)	Older Adults (Reimbursement and Access to Care)	10/05 (22)
B. Dispense Medications	VI, VIII, IX, X	-----	-----
(1) Enter prescription information into patient profile	X (196), XI (226), XIV (282-289)	-----	1/01 (7)

(2) Select specific product(s) to be dispensed for a prescription medication order	IX (182-184)	Older Adults	7/07 (2)
(3) Document preparation of medication in various dosage forms (e.g., compounded, unit dose)	IV (86), VIII (147-149), XI	-----	10/05 (14), 1/05 (8-10), 10/03 (4,12), 3/03 (15)
(4) Document preparation of controlled substances for dispensing	VII (122-128), XI (224-226)	-----	-----
(5) Verify label(s) for prescription containers	IX (190-193)	-----	1/06 (5,19), 10/05 (4,12), 3/04 (3)
(6) Select auxiliary label(s) for container(s)	IX (191-193)	-----	-----
(7) Perform the final check of the medication prior to dispensing	III (53-55), IX (193), X (195-196)	-----	-----
(8) Use automated dispensing equipment (e.g., Pyxis, Omnicell, Accu-Dose, Script Pro)	VIII (153)	-----	10/05 (15), 1/05 (11)
(9) Prepare finished dosage forms for dispensing (e.g., measure, count, reconstitute, compound, repackage, unit dose)	IX (190)	-----	7/07 (5,14)
2. Patient Outcomes	VI, IX, X, XII	Devel. Dis. (Psychotropic Med. Use), Older Adults, Anticoag., WH	-----
A. Determine a Course of Action	VI (110-114), IX, X, XII	Older Adults, Anticoag., Pain Mgt., QA	-----
(1) Determine desired therapeutic outcomes	-----	Anticoag. (Part 1), Pain Mgt., Older Adults (Diabetes)	10/05 (15, 22)
(2) Develop a therapeutic regimen for prescription medications (e.g., recommend alteration of prescribed drug regimen; select drug if necessary)	VI (110-114), X (205-206)	Pain Mgt., WH (When Health Problems Arise)	10/05 (15)
(3) Assess changes in health status (e.g., onset of new disease states, changes in clinical condition)	X (205)	-----	-----

(4) Recommend/order necessary monitoring and screening procedures (e.g., blood pressure, glucose levels, drug levels)	VI (110-116)	-----	2/09 (18-19)
(5) Document monitoring and therapeutic management activities	VI (110-116)	Devel. Dis. (Selected Tips for Counseling), Anticoag. (Roles of Other Health Care Professionals)	7/11 (4-5, 8), 2/09 (19)
(6) Manage drug therapy according to protocols	VI (110-113)	Anticoag.	1/05 (20), 3/04 (4,8), 1/02 (3), 10/01 (1,7)
(7) Resolve problems that arise with patient's therapy (e.g., ADRs, drug interactions)	II (35), X (196, 198)	Anticoag. (Imp. of Monitoring)	-----
B. Educate Patients and Health Care Professionals	VI, X (196-200), XII (235)	Older Adults (Prescribing Challenges), Pain Mgt., Anticoag., WH	9/06 (16-18), 10/03 (9)
(1) Assess the patient's understanding of the disease and treatment	X (197-200)	-----	9/10 (4-6)
(2) Counsel patient/patient's representative regarding prescription medication therapy and devices	VI (107-108), X (197-200), XII (235)	Devel. Dis. (Parts 2 & 3), Older Adults (Management of Diseases, Geriatric Self-Care), Anticoag. (Patient Ed.), WH	7/08 (12), 7/07 (14), 3/03 (14)
(3) Counsel patient/patient's representative regarding nonprescription medication (OTC)	II (24-25, 36), X (197-200)	Older Adults (Geriatric Self-Care)	-----
(4) Counsel patient/patient's representative regarding herbal/complementary therapies	II (36-37), X (197-200)	Alt. Med., Older Adults (Geriatric Self-Care)	2/09 (18)
(5) Counsel patient/patient's representative regarding non-drug therapy	----	Alt. Med., Older Adults (Diabetes, Part 3)	11/00 (3-4)
(6) Counsel patient/patient's representative regarding self-monitoring of therapy (e.g., devices, symptoms)	VI (110-111), X (197-200)	QA (Taking Responsibility)	-----

(7) Verify the patient's/patient representative's understanding of the information presented	X (200-201)	Devel. Dis. (Selected Tips)	-----
(8) Educate health care professionals (e.g., physicians, nurses, medical residents/fellows, other health care providers/students, precepting intern pharmacists)	VI (107-108)	Anticoag. (Part 3, Specialized Services)	-----
(9) Communicate results of monitoring to patient/patients' representative, prescriber and/or other health care professionals	X (197-200)	-----	7/08 (12), 7/07 (14), 3/03 (14)
(10) Respond to consumer inquiries (e.g., internet searches, media information, FDA patient safety alerts, radio/television commercials)	II (21), VI (107-108)	-----	7/07 (5)
(11) Provide supplemental information, as indicated (e.g., medication guides, computer generated information, videos)	II (20), X (199-200)	-----	7/11 (14)
3. Pharmacy Operations	III, IV, VII, VIII, IX, X, XI, XIV	-----	-----
A. Procure Pharmaceuticals, Devices and Supplies, and Control Inventory	VII, VIII	-----	10/03 (4,12), 1/02 (3,4), 7/01 (1,12), 1/00 (3)
(1) Place orders for pharmaceuticals, durable medical equipment, devices and supplies, including expediting of emergency orders	VII (122-123)	-----	10/05 (8,22), 1/05 (5)
(2) Maintain a record-keeping system of items purchased/received/returned in compliance with legal requirements (e.g., dangerous drugs, devices, supplies)	VII (124), XI	-----	1/06 (13-14), 1/05 (6,21), 3/03 (14), 1/01 (3-5)
(3) Maintain a record of controlled substances ordered, received, stored and removed from inventory	VII (122-124, 128-130, 134-136), X (220, 224), XI	-----	7/11 (21), 9/10 (11)
(4) Dispose of expired or recalled pharmaceuticals, durable medical equipment, devices, supplies and document actions taken	VII (134-136), XI	-----	7/07 (14), 1/07 (6), 1/05 (6), 1/02 (9), 10/01 (7), 7/01 (1)

(5) Communicate changes in product availability (e.g., formulary changes, recalls, shortages) to pharmacy staff, patient/patient's representative, physicians and other health care professionals	VI (107-108), XV (303)	-----	-----
(6) Maintain policies and procedures to prevent theft and/or drug diversion	III (49-50), IV (68-70), V (94-95), VII (123,124, 128-130), XI	-----	7/07 (2, 4-5), 1/06 (14)
B. Perform Quality Assurance/Improvement	IV (70-71)	QA	9/06 (6-8), 3/03 (4-5), 1/02 (1,36), 10/01 (3-5, 10-11), 1/01 (6), 11/00 (1)
(1) Assess pharmacist and/or pharmacy technician competence	III (50, 53-55), IV (70-73)	QA	-----
(2) Ensure the accuracy of medication administration	III (50, 53-55), IV (70-71)	QA	4/99 (1,3,11)
(3) Participate in a system for medication error prevention, assessment, and reporting (e.g., root cause analysis, National Patient Safety Goals, medication error reduction program)	IV (70-71)	QA	1/01 (7), 4/99 (1,3)
(4) Participate in a system by which adverse drug reactions are documented, analyzed, evaluated and reported	IV (70-71)	QA	2/10 (4), 7/08 (16)
C. Manage Operations, Human Resources and Information Systems	III (49-50, 53-55), IV, VI, X, XI	-----	-----
(1) Monitor the practice site and/or service area for compliance with federal, state and local laws, regulations and professional standards/guidelines	III (49-50), IV, VII-XII, XIV	-----	7/07 (6-7), 3/03 (4-5), 7/01 (7), 4/01 (4), 4/99 (1,3,6), 1/99 (1,7)
(2) Supervise the work of pharmacy staff	III (44-45, 51-58), IV (72-74), VI (106-107, 114, 119), XII (235-236)	-----	1/06 (14-15), 10/05 (4,10), 1/05 (8), 3/04 (13), 3/03 (1, 14), 1/02 (3), 10/01 (11)

(3) Ensure the availability, control, and confidentiality of patient and prescription information (e.g., patient profiles, medication administration records)	X (196, 208-209, 226), XIV (282-290)	-----	1/05 (9), 10/03 (5,13), 3/03 (1), 1/02 (36), 1/01 (7), 4/00 (2-5)
D. Manage Medication Use System	-----	Anticoag.	4/99 (4-5)
(1) Maintain a formulary system	VI (114, 119)	See, e.g., <i>Principles of a Sound Drug Formulary System</i> , www.ashp.org/DocLibrary/BestPractices/FormEndPrinciples.aspx	-----
(2) Apply therapeutic interchange	IX (188-189)	-----	-----
(3) Conduct medication use evaluations	VI (107-108), X (200)	Older Adults (Management of Disease, Prescribing Challenges), QA (Using ... to Reduce Error)	-----