



Orthotist Detailed Content Outline	Cognitive Level			Total
	Recall	Application	Analysis	
An "X" denotes the examination will NOT contain items for the given task at the cognitive level indicated in the respective column (recall, application, or analysis).				
I. Facilities Management	2	7	2	11
A. Determine elements of the fitting room (e.g., adjustable stool, exam/fitting table, mirror, hard back chair, and parallel bars, or other appropriate ambulating device)			X	
B. Determine required equipment, tools, and materials				
1. manufacturing/alteration equipment (e.g., heat gun, oven, bending irons, sewing machine, alignment device, anvil, grinding and carving tools, vise)			X	
2. measuring devices (e.g., tape measures, goniometer, calipers, VAPC caliper, ML gauge, measuring chart, plumb bob, yard/meter stick)			X	
3. casting equipment and materials (e.g., saws, spreaders, stockinette, indelible pencil, plaster of paris, fiberglass, surgical gloves, water, bowls)		X	X	
C. Comply with environmental safety regulations in all practice settings (e.g., pathogens, cross-infection, work place hazards)				
D. Assure quality care by development and maintenance of policies and procedures regarding patients, prescribers, personnel, maintenance of records, etc.				
E. Comply with HIPAA regulations			X	
II. Perform Professional Practice/Ethics	3	5	1	9
A. Maintain patient confidentiality			X	
B. Provide training, lectures and information to staff or other health care professionals on current orthotic information			X	
C. Establish a quality assurance system that evaluates patient care				
D. Participate in orthotic clinics		X	X	
E. Fulfill necessary continuing education requirements		X	X	
III. Patient Assessment/Evaluation	3	12	10	25
A. Establish relationship with patient				
1. Patient intake				

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a. Record all personal and insurance information about patient			X	
b. Discuss financial matters for services/devices with patient			X	
c. Determine patient's expectations				
d. Interview patient and obtain history			X	
e. Collect and evaluate patient records				
f. Identify the pathology of the disease to provide the proper orthosis or prosthesis				
g. Discuss any related medical treatment(s)			X	
B. Evaluate and assess patient to determine				
1. skin condition			X	
2. range of motion				
3. muscle strength				
4. manual dexterity				
5. coordination				
6. posture and gait				
7. proprioception			X	
8. sensation			X	
C. Assess Prescription				
1. Determine elements of a valid prescription				
a. Verify validity of prescriber		X	X	
b. Verify information contained on prescription		X	X	
2. Determine relation of prescription to presenting problem			X	
3. Discuss prescription with patient (i.e., explain the patient's role/responsibilities)			X	
4. Contact prescribing doctor and discuss/revise prescription				
IV. Communication/Patient Education	4	12	4	20
A. Explain purpose/objective of orthosis				
1. Inform patient and/or caregiver of the various procedures to be performed			X	
2. Explain advantages and disadvantages			X	
3. Determine patient's expectations				

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4. Explain patient's role/responsibilities			X	
B. Provide initial instructions				
1. Instruct patient and/or caregiver in donning, doffing, care of orthosis/prosthesis			X	
2. Demonstrate proper application, alignment and removal			X	
3. Instruct patient and/or caregiver in fitting adjustments such as using prosthetic socks or tightening straps, etc.			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Explain care and cleaning procedures		X	X	
C. Evaluate psychological impact of devices on patient, family and others				
D. Establish procedures for patient follow-up				
1. Initiate and encourage on-going communication with patient and/or caregiver			X	
2. Develop and maintain patient's records			X	
3. Inform patient and/or caregiver of provisions for continued servicing of device (e.g., adjustments, consultation)			X	
4. Communicate with the patient and/or caregiver verbally and in writing			X	
E. Conduct inter-professional communications			X	
V. Orthosis Application and Delivery	7	12	1	20
A. Finalize alignment and fit orthosis to patient				
1. Don orthosis to patient and finalize alignment, fit, and cosmetic appearance			X	
2. Demonstrate proper application, alignment and removal			X	
3. Demonstrate to patient and/or caregiver donning, doffing, fitting adjustments and care of orthosis			X	
4. Explain how to recognize potential problems (e.g., pressure points, skin breakdown, numbness, contractures)				
5. Have patient and/or caregiver demonstrate proper application and removal			X	
6. Have patient and/or caregiver sign receipts and acknowledgments		X	X	
B. Explain follow-up procedures		X	X	
C. Refer to physician for post-fitting follow-up		X	X	

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VI. Patient Follow-up	2	5	1	8
A. Evaluate fit and function of orthosis/prosthesis				
B. Perform necessary adjustments			X	
C. Schedule follow-up visits		X	X	
VII. Patient Preparation/Measurements	7	11	0	18
A. Measure patient				
1. Select techniques (e.g., patient positioning, casting, tracing)			X	
2. Identify anatomical landmarks		X	X	
3. Use measuring devices			X	
B. Perform casting procedures for:				
1. upper extremity			X	
2. lower extremity			X	
3. spinal (includes cervical)			X	
4. foot only			X	
5. modifications			X	
VIII. Evaluation/Selection of Product/Model/Type of Orthoses	5	11	12	28
A. Cervical/Cervical Thoracic Orthoses (CO, CTO)				
1. semi-rigid (e.g., Philadelphia)			X	
2. *rigid (e.g., multiple post)				
B. Spinal Deformity Orthoses (e.g., scoliosis, lordosis, kyphosis)				
C. Thoraco-Lumbo-Sacral Orthoses (TLSO)				
1. *rigid (e.g., Taylor, Knight-Taylor, plastic, hyperextension)				
2. flexible (e.g., with steel stays, thermal molded insert)			X	
D. Thoraco-Lumbo-Sacral-Hip Orthoses (e.g., spica)			X	
E. Lumbo-Sacral Orthoses (LSO)				
1. *rigid (e.g., chairback, Knight, Harris, Williams flexion, plastic)				
2. flexible (e.g., with steel stays, thermal molded insert)			X	
F. *Hip Orthoses (HO) (e.g., Pavlik Harness, Scottish Rite, abduction splint, dynamic and adjustable R.O.M.)				

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G. Knee Orthoses (KO)				
1. *rigid types (e.g., ACL, PCL, MCL, OA, multi-ligamentous, genu recurvatum, dynamic and adjustable R.O.M.)				
2. flexible (e.g., patella-stabilizer, elastic type knee supports with or without inserts/hinges/pads)			X	
H. *Hip Knee Ankle Foot Orthoses (HKAFO) (e.g., twister cable, parapodium, RGO, dynamic and adjustable R.O.M.)				
I. *Knee Ankle Foot Orthoses (KAFO) (e.g., double or single upright, leather or plastic, dynamic and adjustable R.O.M., ischial weight bearing)				
J. *Ankle Foot Orthoses (AFO) (e.g., double or single upright, leather or plastic, dynamic and adjustable R.O.M., posterior leaf spring (metal or plastic))				
K. *Foot Orthoses (FO) (e.g., arch support, UCBL, straight/ reverse last shoes, shoe modifications, foot plate)			X	
L. Partial Foot				
1. *AFO-style				
2. toe-filler in shoe			X	
M. Wrist/Hand/Finger Orthoses (WHFO, WHO) (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)				
N. Elbow Orthoses (EO) (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)				
O. Shoulder Orthoses (SO) (e.g., dynamic and adjustable R.O.M., resting, and functional orthoses)				
P. *Functional Fracture Orthoses (e.g., upper extremity and lower extremity)				
IX. Fabrication	2	2	7	11
A. Select componentry (e.g., ankle, knee, hip, shoulder, elbow, wrist)				
B. Select material types (e.g., plastic, metal, leather)				
C. Rectify positive molds				
Totals	35	77	38	150

* Tasks with asterisks are eligible for Clinical Simulation Examination (CSE) problems. Each

Orthotist CSE will contain 8 problems. Three (3) of these problems will involve Spinal or Cervical cases, and 5 problems will involve Upper or Lower Extremity cases. No Upper Extremity problems will be written involving Central Fabricated orthoses. No Cervical problems will be written involving Central Fabricated or In-House Fabricated orthoses. No problems will be written involving patients under the age of 19.