Connecticut CTE

Medical Career Education

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A Medical Career Education MC

1 Health Science: Understand and apply the academic subject matter required for entrance into health science. MC.A

- a Differentiate among and prepare various patient forms, including HER and EMR that are used in documenting client/patient information. MC.A.1
- b Perform mathematical operations as they relate to healthcare procedures. MC.A.2
- c Interpret healthcare results using diagrams, charts, graphs, and tables. MC.A.3
- d Define and use the following medical terminology: root words, prefixes, suffixes, and abbreviations. MC.A.4
- e Describe the basic structural and functional organization of the human body used in assessing health. MC.A.5
- f Describe healthcare in respect to diverse populations. MC.A.6

2 Disease Processes: Demonstrate the concepts of basic disease processes. MC.B

- a Research common and emerging diseases and disorders. MC.B.7
- b Recognize signs and symptoms of common and emerging diseases and disorders. MC.B.8
- c Identify the body's response to the presence of disease or infection. MC.B.9

3 Body Systems: Compare the anatomical structures and physiological function of each body system. MC.C

- a Diagram the structure of cells, tissues, organs, and systems. MC.C.10
- b Identify physiology and pathophysiology of body systems. MC.C.11
- c Define and use the following medical terminology related to each body system: root words, prefixes, suffixes, and abbreviations. MC.C.12

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4 Health Care Delivery System: Describe how the health care workers' role fits into their department, organization, and overall health care environment. MC.D

- a Differentiate among the range of services offered to clients through various health care facilities. MC.D.13
- b Compare how various state and federal agencies, regulatory boards, and insurance companies affect the delivery of health care, including reimbursement and payment sources. MC.D.14
- c Describe consumer's responsibility within the healthcare delivery system. MC.D.15

5 Employability Skills: Analyze how employability skills enhance employment opportunities and job satisfaction. MC.E

- a Demonstrate proficiency in technology skills. MC.E.16
- b Compare various career options in therapeutic and diagnostic health care clusters and the required education for practice. MC.E.17
- c Describe the personal and professional attributes of a healthcare provider. MC.E.18
- d Demonstrate employability skills in healthcare. MC.E.19

6 Legal Awareness: Evaluate legal responsibilities, limitations, and implications of actions within the health care delivery system and perform duties according to regulations, policies, laws, and rights of clients. MC.F

- a Explain the following legal aspects of client/patient care: confidentiality of health information (HIPAA), consent, and negligence. MC.F.20
- b Explain and apply the Patient's Bill of Rights in maintaining confidentiality and quality health care. MC.F.21
- c Define scope of practice. MC.F.22
- d Describe legal requirements in documentation. MC.F.23
- e Incorporate procedures for accurate documentation in the healthcare setting. MC.F.24
- f Describe legal issues and directives in healthcare such as advanced directives, informed consent, living will, negligence, and malpractice. MC.F.25
- g Describe the legal responsibility related to abuse and neglect. MC.F.26

7 Ethical Practices: Evaluate accepted ethical practices with respect to cultural, social, and ethnic differences within the health care environment. MC.G

- a Identify the needs of clients/patients who have cultural, social, ethical, and spiritual differences. MC.G.27
- b Interpret a Code of Ethics and the Patient's Bill of Rights. MC.G.28
- c Demonstrate respectful and empathetic treatment of ALL patients/clients. MC.G.29
- d Utilize procedures for reporting activities and behaviors that affect the health, safety, and welfare of others. MC.G.30

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8 Safe and Healthy Work Practices: Analyze the existing and potential hazards to clients, co-workers, and self and prevent injury or illness through safe work practices and follow health and safety policies and procedures. MC.H

- a Describe standard precautions and OSHA standards to control the spread of infection. MC.H.31
- b Apply principles of body mechanics. MC.H.32
- c Identify methods for cleaning instruments, equipment, and environmental surfaces. MC.H.33
- d Identify and implement emergency procedures for fire, electrical hazards, and hazardous materials. MC.H.34
- e Recognize and comply with safety signs, symbols, labels, and the use of SDS sheets. MC.H.35

9 Individual and Team Responsibilities: Understand the role and responsibilities of individual members as part of the healthcare team, including the ability to promote the delivery of quality health care and interact effectively and sensitively with all members of the health care team. MC.I

- a Describe interdisciplinary roles and responsibilities of the healthcare team. MC.I.36
- b Recognize characteristics of an effective healthcare team. MC.I.37
- c Identify the various levels in the healthcare team chain of command. MC.I.38
- d Explain the process for managing conflict within the workplace. MC.I.39

10 Health Maintenance Practices: Understand the fundamentals of wellness and the prevention of disease processes. MC.J

- a Identify available preventive health screenings and examinations. MC.J.40
- b Describe alternative health practices. MC.J.41
- c Describe behaviors that promote health and wellness. MC.J.42
- d Identify methods to reduce health risk factors. MC.J.43

11 Pathophysiology: Analyze pathophysiological effects of abnormal factors that impact a healthy body and mind. MC.K

- a Explain the effects of immobility on the body systems. MC.K.44
- b Interpret the potential effects of stress on the development of disease. MC.K.45
- c Describe the effects of potential complications associated with the abuse of alcohol, tobacco, and prescription drugs. MC.K.46
- d Compare various diseases caused by environmental hazards, including temperature-related disorders, bites, stings, and food poisoning. MC.K.47

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12 Patient Communication: Demonstrate patient interaction skills. MC.L

- a Describe the elements of communication using a basic sender-receiver-feedback model. MC.L.48
- b Differentiate communication to meet the needs of the patient. MC.L.49
- c Use verbal and non-verbal communication skills. MC.L.50
- d Describe communication barriers. MC.L.51
- e Gather and report subjective and objective data utilizing active listening/speaking and writing skills. MC.L.52

13 Team Communication: Understand how to communicate client information within a team. MC.M

- a Provide complete client information to the team within a timely manner. MC.M.53
- b Observe and report unsafe environmental conditions. MC.M.54
- c Report changes in patient conditions during any patient interaction. MC.M.55
- d Document and report changes in conditions that might introduce risk to clients or staff. MC.M.56

14 Monitoring Patient Status: Monitor, plan, implement, and evaluate the care provided based on age, physical, and psychosocial needs. MC.N

- a Demonstrate the following skills: vital signs, basic CPR/AED principles, basic first aid, basic client transfers, height/weight, and appropriate medical language. MC.N.57
- b Recognize and report subjective and objective findings to nurse. MC.N.58

15 Principles of Body Mechanics: Understand the principles of body mechanics for positioning, transferring, and transporting clients and perform these activities efficiently and without injury to clients or self. MC.O

- a Describe and demonstrate the process for positioning the client to ensure comfort. MC.O.59
- b Recognize center of gravity and base of support in order to use proper lifting techniques. MC.O.60
- c Describe and use various types of transport or transfer equipment appropriate for the patient/situation. MC.O.61
- d Inform patients/clients of what to expect during activity. MC.O.62