Virginia CTE

Medical Terminology (8383 - 36 weeks)

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A Demonstrating Personal Qualities and Abilities MT.1

1 Demonstrate creativity and innovation. MT.1.1

2 Demonstrate critical thinking and problem solving. MT.1.2

3 Demonstrate initiative and self-direction. MT.1.3

4 Demonstrate integrity. MT.1.4

5 Demonstrate work ethic. MT.1.5

B Demonstrating Interpersonal Skills MT.2

6 Demonstrate conflict-resolution skills. MT.2.6

7 Demonstrate listening and speaking skills. MT.2.7

8 Demonstrate respect for diversity. MT.2.8

9 Demonstrate customer service skills. MT.2.9

10 Collaborate with team members. MT.2.10

C Demonstrating Professional Competencies MT.3

11 Demonstrate big-picture thinking. MT.3.11

12 Demonstrate career- and life-management skills. MT.3.12

13 Demonstrate continuous learning and adaptability. MT.3.13

14 Manage time and resources. MT.3.14

15 Demonstrate information-literacy skills. MT.3.15

16 Demonstrate an understanding of information security. MT.3.16

17 Maintain working knowledge of current information-technology (IT) systems. MT.3.17

18 Demonstrate proficiency with technologies, tools, and machines common to a specific occupation. MT.3.18

19 Apply mathematical skills to job-specific tasks. MT.3.19

20 Demonstrate professionalism. MT.3.20

21 Demonstrate reading and writing skills. MT.3.21

22 Demonstrate workplace safety. MT.3.22

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D Examining All Aspects of an Industry MT.4

23 Examine aspects of planning within an industry/organization. MT.4.23

24 Examine aspects of management within an industry/organization. MT.4.24

25 Examine aspects of financial responsibility within an industry/organization. MT.4.25

26 Examine technical and production skills required of workers within an industry/organization. MT.4.26

27 Examine principles of technology that underlie an industry/organization. MT.4.27

28 Examine labor issues related to an industry/organization. MT.4.28

29 Examine community issues related to an industry/organization. MT.4.29

30 Examine health, safety, and environmental issues related to an industry/organization. MT.4.30

E Addressing Elements of Student Life MT.5

31 Identify the purposes and goals of the student organization. MT.5.31

32 Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult. MT.5.32

33 Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects. MT.5.33

34 Identify Internet safety issues and procedures for complying with acceptable use standards. MT.5.34

F Exploring Work-Based Learning MT.6

35 Identify the types of work-based learning (WBL) opportunities. MT.6.35

36 Reflect on lessons learned during the WBL experience. MT.6.36

37 Explore career opportunities related to the WBL experience. MT.6.37

38 Participate in a WBL experience, when appropriate. MT.6.38

G Understanding Medical Terminology MT.7

39 Explain how medical terms are developed. MT.7.39

40 Define common medical word roots. MT.7.40

41 Define common medical prefixes. MT.7.41

42 Define common medical suffixes. MT.7.42

43 Demonstrate pronunciation of medical terms. MT.7.43

44 Apply the components of medical terminology (i.e., prefixes, word roots, suffixes). MT.7.44

Jnderstanding Medical Abbreviations MT.8

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I5 Explain medical abbreviations related to body systems. MT.8.45

46 Identify medical abbreviations related to pathological conditions. MT.8.46

47 Identify medical abbreviations related to diagnostic procedures. MT.8.47

48 Explain medical abbreviations related to documentation. MT.8.48

49 Identify medical abbreviations related to pharmacology. MT.8.49

50 Identify abbreviations related to healthcare regulations and regulatory systems. MT.8.50

I Understanding Body Structure and Organization MT.9

51 Explain anatomical reference systems used to organize the body structure. MT.9.51

52 Describe the organization of the human body. MT.9.52

53 Identify body cavities and the organs located within these cavities. MT.9.53

54 Identify body planes. MT.9.54

55 Identify body directions. MT.9.55

56 Identify body regions. MT.9.56

57 Define anatomy and physiology. MT.9.57

J Understanding the Integumentary System MT.10

58 Identify the major structures of the integumentary system. MT.10.58

59 Describe the role of the integumentary system. MT.10.59

60 Assemble word elements to form medical terms related to the integumentary system. MT.10.60

61 Identify common pathological conditions of the integumentary system. MT.10.61

62 Identify common laboratory tests and clinical procedures related to the integumentary system, including related abbreviations. MT.10.62

63 Identify common therapeutic interventions related to the integumentary system. MT.10.63

K Understanding the Musculoskeletal System MT.11

64 Identify the major structures of the musculoskeletal system. MT.11.64

65 Describe the function of the musculoskeletal system. MT.11.65

66 Assemble word elements to form medical terms related to the musculoskeletal system. MT.11.66

67 Identify common pathological conditions of the musculoskeletal system. MT.11.67

68 Identify common laboratory tests and clinical procedures related to the musculoskeletal system, including related abbreviations. MT.11.68

69 Identify common therapeutic interventions related to the musculoskeletal system. MT.11.69

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Understanding the Cardiovascular System MT.12

70 Identify the major structures of the cardiovascular system. MT.12.70

71 Describe the functions of the cardiovascular system. MT.12.71

72 Assemble word elements to form medical terms related to the cardiovascular system. MT.12.72

73 Identify common pathological conditions of the cardiovascular system. MT.12.73

74 Identify common laboratory tests and clinical procedures related to the cardiovascular system, including related abbreviations. MT.12.74

75 Identify common therapeutic interventions related to the cardiovascular system. MT.12.75

M Understanding the Respiratory System MT.13

76 Identify the major structures of the respiratory system. MT.13.76

77 Describe the function of the respiratory system. MT.13.77

78 Assemble word elements to form medical terms related to the respiratory system. MT.13.78

79 Identify common pathological conditions of the respiratory system. MT.13.79

80 Identify common laboratory tests and clinical procedures related to the respiratory system, including related abbreviations. MT.13.80

81 Identify common therapeutic interventions related to the respiratory system. MT.13.81

N Understanding the Nervous System MT.14

82 Identify the major structures of the nervous system. MT.14.82

83 Describe the function of the nervous system. MT.14.83

84 Assemble word elements to form medical terms related to the nervous system. MT.14.84

85 Identify common pathological conditions of the nervous system. MT.14.85

86 Identify common laboratory tests and clinical procedures related to the nervous system, including related abbreviations. MT.14.86

87 Identify common therapeutic interventions related to the nervous system. MT.14.87

O Understanding the Urinary System MT.15

88 Identify the major structures of the urinary system. MT.15.88

89 Describe the role of the urinary system. MT.15.89

90 Assemble word elements to form medical terms related to the urinary system. MT.15.90

91 Identify the common pathological conditions of the urinary system. MT.15.91

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92 Identify common laboratory tests and clinical procedures related to the urinary system, including related abbreviations. MT.15.92

93 Identify common therapeutic interventions related to the urinary system. MT.15.93

P Understanding the Female Reproductive System MT.16

94 Identify the major structures of the female reproductive system. MT.16.94

95 Describe the role of the female reproductive system. MT.16.95

96 Assemble word elements to form medical terms related to the female reproductive system. MT.16.96

97 Identify common pathological conditions of the female reproductive system and of the newborn. MT.16.97

98 Identify common laboratory tests and clinical procedures related to the female reproductive system, including related abbreviations. MT.16.98

99 Identify common therapeutic interventions related to the female reproductive system. MT.16.99

Q Understanding the Male Reproductive System MT.17

100 Identify the major structures of the male reproductive system. MT.17.100

101 Describe the role of the male reproductive system. MT.17.101

102 Assemble word elements to create medical terms related to the male reproductive system. MT.17.102

103 Identify common pathological conditions of the male reproductive system. MT.17.103

104 Identify common laboratory tests and clinical procedures related to the male reproductive system, including related abbreviations. MT.17.104

105 Identify common therapeutic interventions related to the male reproductive system. MT.17.105

R Understanding the Lymphatic and Immune Systems MT.18

106 Identify the major structures of the lymphatic and immune systems. MT.18.106

107 Describe the role of the lymphatic and immune systems. MT.18.107

108 Assemble word elements to form medical terms related to the lymphatic and immune systems. MT.18.108

109 Identify major pathological conditions of the lymphatic and immune systems. MT.18.109

110 Identify common laboratory tests and clinical procedures related to the lymphatic and immune systems, including related abbreviations. MT.18.110

111 Identify common therapeutic interventions related to the lymphatic and immune systems. MT.18.111

Understanding the Gastrointestinal System MT.19

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12 Identify the major structures of the gastrointestinal system. MT.19.112

113 Describe the role of the gastrointestinal system. MT.19.113

114 Assemble word elements to form medical terms related to the gastrointestinal system. MT.19.114

115 Identify common pathological conditions of the gastrointestinal system. MT.19.115

116 Identify common laboratory tests and clinical procedures related to the gastrointestinal system, including related abbreviations. MT.19.116

117 Identify common therapeutic interventions related to the gastrointestinal system. MT.19.117

T Understanding the Endocrine System MT.20

118 Identify the major structures of the endocrine system. MT.20.118

119 Describe the role of the endocrine system. MT.20.119

120 Assemble word elements to form medical terms related to the endocrine system. MT.20.120

121 Identify common pathological conditions of the endocrine system. MT.20.121

122 Identify common laboratory tests and clinical procedures related to the endocrine system, including related abbreviations. MT.20.122

123 Identify common therapeutic interventions related to the endocrine system. MT.20.123

U Understanding the Sensory System MT.21

124 Identify the major structures of the sensory system. MT.21.124

125 Describe the role of the sensory system. MT.21.125

126 Assemble word elements to form medical terms related to the sensory system. MT.21.126

127 Identify common pathological conditions of the sensory system. MT.21.127

128 Identify common laboratory tests and clinical procedures related to the sensory system, including related abbreviations. MT.21.128

129 Identify common therapeutic interventions related to the sensory system. MT.21.129

V Understanding Mental Health MT.22

130 Explain how mental health disorders differ from disorders related to other body systems. MT.22.130

131 Assemble word elements to form medical terms related to mental health. MT.22.131

132 Identify common mental health disorders. MT.22.132

33 Identify common diagnostic procedures related to mental health. MT.22.133

34 Identify common therapeutic interventions related to mental health. MT.22.134

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135 Identify signs of elder, domestic, and child abuse. MT.22.135

W Understanding Terms Used in Healthcare Provision MT.23

136 Identify common medical terms used to communicate with other health professionals. MT.23.136

137 Describe terms related to healthcare delivery. MT.23.137

138 Assemble word elements to form terms related to selected health careers and healthcare providers. MT.23.138

X Understanding Health Informatics MT.24

139 Examine the role of technology in the healthcare field. MT.24.139

140 Describe techniques for confidential communication of health/medical information within legal/regulatory guidelines. MT.24.140

141 Demonstrate the assessment of abstracted information from medical records and other documents, applying knowledge of medical terminology. MT.24.141

Y Understanding Disciplines/Departments Involved in Healthcare Delivery MT.25

142 Identify the disciplines of the laboratory. MT.25.142

143 Identify imaging techniques and nuclear-medicine tests. MT.25.143

Z Understanding the Healthcare Delivery System MT.26

144 Describe the interdisciplinary services offered in health care. MT.26.144

145 Identify health careers. MT.26.145

146 Identify common medical specialties. MT.26.146

147 Describe types of healthcare settings. MT.26.147

148 Describe patient care services. MT.26.148