

**GEOGRAPH 225 – WEATHER AND CLIMATE**

**FINAL EXAM – SPRING 2002**

**DR. JOHN LOONEY, JR.**

**NAME:** \_\_\_\_\_

- |                       |              |
|-----------------------|--------------|
| 1. Savanna            | a. A Climate |
| 2. Tundra             | b. B Climate |
| 3. Taiga              | c. C Climate |
| 4. Prairie            | d. D Climate |
| 5. Wet/Dry West Coast | e. E Climate |

6. Desert
7. East Coast Maine
8. High Steppe
9. Tropical Jungle
10. Tropical Rain Forest
11. Xerophytes
12. Oasis Culture
13. Bedoin
14. Eskimo
15. Cool Monsoon
16. Selva
17. Micronesians
18. Ice Cap
19. Common Convectional Storms
20. Tri-story vegetation
21. Tierra Templada
22. Tierra Caliente
23. Maqui
24. Swidden
25. Not in Southern Hemisphere
26. Latitudinal Control
27. Ocean Control
28. West Wind/Rain Shadow Control
29. Conifers
30. All E climates are cold and have ice caps

a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

31. A climates have very narrow rain fall amounts.

a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

32. The major control of A climates is proximity to the equator.

a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

33. The permafrost is usually found in D Climates.

a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE



43. The normal vegetation in this area is \_\_\_\_\_.
- a. conifers
  - b. citrus
  - c. deciduous
  - d. evergreen
  - e. both a and d

44. A successor occupation of individuals living here is probably garden or truck farms.

a. \_\_\_\_\_ TRUE

b. \_\_\_\_\_ FALSE

45. Considering the available data for this station it is best identified as

- a. Cfa
- b. Dfra
- c. Csa
- d. Csb
- e. EM

46. High sun time occurs during \_\_\_\_\_.

- a. January
- b. May
- c. July
- d. September
- e. October

47. Could a station similar to this one be found on the southeastern coast of China?

a.

Yes

No

Station #4 - ALT 7ft

67 68 70 74 78

82

81

$\frac{77}{11}$

2. 1.92.33.96.47.46.8

7.0

8.22.[]

1.

48. This station is located in the

\_ hemisphere.

- a. northern
- b. southern
- c. eastern
- d. western

49. The major control of this station is

- a. land
- b. altitude
- c. latitude
- d. ocean
- e. both c and d

50. This is a prime example of a Cvs climate.

a. TRUE

b.

FALSE

51. You could expect to harvest conifers in this region.

- a. \_\_\_\_\_TRUE      b. \_\_\_\_\_FALSE

52. The normal vegetation could be a tropical rain forest or jungle in this area.

- a. \_\_\_\_\_TRUE      b. \_\_\_\_\_FALSE

53. A successor economic activity in this area could be tourism.

- a. \_\_\_\_\_TRUE      b. \_\_\_\_\_FALSE

54. The fact that August, September and October temperatures do not exceed 82 degrees F is probably because of the high rainfall.

- a. \_\_\_\_\_TRUE      b. \_\_\_\_\_FALSE

55. The high rainfall months are probably caused by \_\_\_\_\_.

Station #1, alt =38 ft												YR		
75	75	75	78	79	78	78	78	78	78	78	76	74		
2.7	0.5	1.0	1.8	3.6	7.9	8.8	9.6	7.8	6.6	7.0	4.7	61.6		

56. This is probably a southern hemisphere location.

- a. \_\_\_\_\_TRUE      b. \_\_\_\_\_FALSE

57. This climate would best be described as \_\_\_\_\_

- a. wet
- b. dry
- c. arid
- d. monsoonal
- e. hot

58. The common soil found at this location would be \_\_\_\_\_.

- a. latisol
- b. caliche
- c. dodsol
- d. exeposol
- e. none of these

59. The vegetation found here is probably \_\_\_\_\_.

- a. selva
- b. evergreen/conifer
- c. jungle
- d. boreal
- e. both a and c

59. The vegetation found here is probably \_\_\_\_\_.
- selva
  - evergreen/conifer
  - jungle
  - boreal
  - both a and c
60. The specific site of this station is \_\_\_\_\_.
- on a mountain
  - on a coast
  - on an island
  - on the tundra.
  - both b and c
61. You might expect an individual to be active in forest extractive activities or plantation activities.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE
62. This climate would probably best be described a slow latitude and low altitude.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE
63. The most significant single factor impacting this location is its latitudinal orientation.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE
64. This climatic station is probably not found in the contiguously bordered United States.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE
65. This is probably a (an) \_\_\_\_\_ climate,
- AF
  - AM
  - AW
  - AS
  - EM

Station #2	Yr												
69	69	68	64	60	59	58	59	61	63	65	68	64	
7.7	8.7	5.6	2.2	2.5	2.2	1.7	2.0	3.2	4.7	7.2	8.5	56.0	

66. This climate is probably in the northern hemisphere.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE
67. The major control is a coastal location.
- \_\_\_\_\_ TRUE
  - \_\_\_\_\_ FALSE



77. It is quite close to the equator.

- a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

78. This climate is probably \_\_\_\_\_.

- a. Aw
- b. As
- c. BW
- d. Cs
- e. Bs

79. Low sun time occurs during the month of \_\_\_\_\_.

- a. June
- b. July
- c. January
- d. November
- e. both a and b

80. This station is probably located on the east coast of South Africa or Australia.

- a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

81. This station is probably located on the rain shadow side of the Andes Mountains.

- a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

82. Would viticulture be an occupation here?

- a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE

83. Major controls of this station are \_\_\_\_\_

- a. ocean
- b. altitude
- c. winds both a and b
- d. all of these

Station #6	ALT ==	95 ft												Yr.
19	19	21	27	36	43	45	45	39	32	27	23	35.0		
2.Q	2.4	2.6	2.1	2.0	1.8	1.5	2.1	3.3	4.7	3.0	2.7	31.0		

84. This station is located in the \_\_\_\_\_ hemisphere.

- a. Northern
- b. Southern
- c. Eastern
- d. Western
- e. can't tell

85. The major control is \_\_\_\_\_

a. \_\_\_\_\_ TRUE

b. \_\_\_\_\_ FALSE

86. The vegetation type here is probably \_\_\_\_\_.
- a. sedge rush
  - b. deciduous
  - c. broad leaf evergreen
  - d. both a and b
87. The soil/land would be described as \_\_\_\_\_.
- a. latisol
  - b. potsol permafrost
  - c. permafrost
  - d. caliche
  - e. none of these
88. This station could be located near the ocean \_\_\_\_\_.
- a. \_\_\_\_\_ TRUE      b. \_\_\_\_\_ FALSE
89. With 31.1 inches of precipitation the probably nature is \_\_\_\_\_ at low sun.
- a. rain
  - b. drizzle
  - c. snow
  - d. sleet
  - e. can't tell
90. If you were leaving Boston to visit this location, you would most probably go \_\_\_\_\_.
- a. North
  - b. South
  - c. East
  - d. West
  - e. can't tell
91. Would grazing or transhumance pastoral nomadism be possible in this location.
- a. \_\_\_\_\_ **YES**      b. \_\_\_\_\_ **NO**
92. Would it be possible to have this area covered by an Ice Cap.
- a. \_\_\_\_\_ **YES**      b. \_\_\_\_\_ **NO**
93. The probably climate here is \_\_\_\_\_
- a. EF
  - b. ET
  - c. EM
  - d. Dfd

**USE THE MAP**

- 94. Station 1 probable location
- 95. Station 2 probable location
- 96. Station 3 probable location
- 97. Station 4 probable location
- 98. Station 5 probable location
- 99. Station 6 probable location

100. Desertification may result in grasslands because of overgrazing in the tropics

- a. \_\_\_\_\_ **TRUE**      b. \_\_\_\_\_ **FALSE**

101. The differences in aphelion and perihelion as well as precession has no influence upon climate.

- a. \_\_\_\_\_ **TRUE**      b. \_\_\_\_\_ **FALSE**

102. Macro: Micro as \_\_\_\_\_ : \_\_\_\_\_ : state: country

- a. global
- b. celestial
- c. beaches
- d. ski slopes
- e. both c and d

103. The climate control that varies the greatest with latitude is \_\_\_\_\_.

- a. ocean currents
- b. solar intensity
- c. planetary winds
- d. prevailing winds
- e. both c and d

104. Climates labeled with an H most probably are controlled by \_\_\_\_\_.

- a. heat
- b. high pressure
- c. altitude
- d. harmataen
- e. none of these

105. Hot: \_\_\_\_\_ as Azizia: Vostok

- a. wet
- b. dry
- c. cold
- d. warm
- e. foggy

106. East: West as \_\_\_\_\_: Csa
- a. Aw
  - b. Dfa
  - c. EM
  - d. AM
  - e. none of these
107. A high latitude treed cold climate is most probably a (n)\_\_\_\_\_.
- a, CF
  - b. BWh
  - c. cold
  - d. Cfa
108. A climate type probably not found in Africa is \_\_\_\_\_.
- a. Cf
  - b. BS
  - c. Df
  - d. Aw
  - e. Af
109. Aw climates could be described as tropical wet and dry.
- a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE
110. A typical vegetation response in the AW Climate is \_\_\_\_\_?
- a. jungle
  - b. broad leaf evergreen
  - c. conifers
  - d. deciduous
  - e. grass
111. A semi-arid short bunch grass climate is most probably a \_\_\_\_\_.
- a. jungle
  - b. desert
  - c. steppe rainforest
  - d. Savanna
112. C climates may be classified as marine.
- a, \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE
113. All C climates may have definite winter and summer seasons.
- a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE
114. During most of the year most C climates are characterized by low clouds, fog and drizzle.
- a, \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

115. Marine influence inland may be restricted by coastal mountains.

a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

116. The C s of Mediterranean climates have dry winters.

a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

117. In humid continental of Df climates I would expect \_

- a. spruce
- b. fir
- c. pine
- d. both b and c
- e. all of them

118. A sub-polar climate is characterized by \_\_\_\_\_.

- a. short cool winters
- b. short cold winters
- c. short cool summers
- d. long wet summers
- e. none of those

119. Typical vegetation in the sub polar climates is referred to as \_\_\_\_\_.

- a. selva
- b. sertao
- c. tropical evergreen
- d. boreal
- e. none of those

120. An example of sub polar climates in the U.S. would be most probably found it in

- a. North Dakota
- b. Northern Minnesota
- c. Chicago, Illinois
- d. Burlington, Vermont
- e. Anchorage Alaska

121. Mountain climbers may experience many different climate types in relatively short distances.

a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

122. Permafrost is an occasional condition of the ET climates.

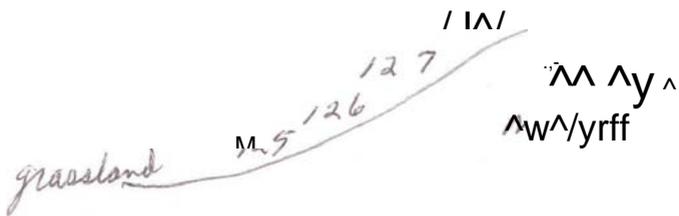
a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

123. Most snow falls during "normal" summer periods in the EF climate.

a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE

124. Most blizzard activity is not caused by falling snow/ in EF climates.

a. \_\_\_\_\_TRUE    b. \_\_\_\_\_FALSE



Station 7 - elevation 100 ft @ 220@N  
 60 59 64 71 78 82  
 1.3 1.8 2.9 5.4 11.5 15.8

Y.	a.	taiga	
	b.	ice cap	
	c.	tundra	
	d.	mixed	
	e.	chaparral	
(130-136)			Annual
8282	81	7770	6472@
5.014.2	10.1	4.51.7	1.285

130. Station 7 is ]  
 a. AF  
 b. AW  
 c. Cw

climatic type.

131. Controlling factors in this climate are \_  
 a. winds  
 b. ocean currents  
 c. monsoon storms  
 d. latitude  
 e. all of them

132. This climate is either an island or coastal location.

a.

133. This climate is probably located in Asia and not North America.

a.

FALSE

134. The micro climate is designation most appropriate is \_

- a. a  
 b. b  
 c. c  
 d. d  
 e. n

135. This location probably grows cereal grains such as winter wheat and oats.

a. \_\_\_\_\_ TRUE    b. \_\_\_\_\_ FALSE

136. This station may be described as Monsoonal

a. \_\_\_\_\_ TRUE    b. \_\_\_\_\_ FALSE

137. A warm Foehn wind coming down the Rocky Mountain eastern slope is called a Chinook.

a. \_\_\_\_\_ TRUE    b. \_\_\_\_\_ FALSE

138. BSH

139. Winter Wheat

141. BSK

142. Dfa

143. Boston

144. Csb

145. San Francisco

146. Chicago

147. Oats and Barley

148. Sheep, green grass grazing

149. Citrus and Tourism

150. Falkland Island (Malvinas)

a. midlatitude steep e

b. polar marine

c. Low latitude steppe

d. humid continental hot summer

e. Mediterranean cool on summer