

## ANSWERS

### Module 3 AIR ENVIRONMENT

#### Chapter 1 Air Circulation

Answers	Reference Page
1. Earth weather	1
2. more	1
3. uneven unequal temperature pressure circulation movement	1
4. radiation	1
5. absorbed differently surface substance	1
6. 50 50 reflected absorbed	1
7. rises clouds	2
8. farther apart	2
9. revolves 365 days 5 hours 48 mins	2
10. 23.5 day seasonal changes	2
11. June 21 summer solstice	2
12. away winter solstice	2
13. spring (vernal) equinox fall (autumnal) equinox	2
14. counterclockwise Coriolis Force	2
15. trade winds	3
16. doldrums	3
17. Prevailing Westerlies	3
18. polar easterlies	3
19. jet stream	4

#### Chapter 2 – Weather Elements

20. wind	9
21. wind direction	9
22. 1.1	9
23. Beaufort Scale	10
24. wind chill	10
25. into	11
26. increase	11
27. microburst	11
28. heat	12
29. temperature	12
30. 32 212	12
31. 0 100	12
32. 273 373	12
33. longer	13
34. cramps, fainting, heat exhaustion heatstroke water	13
35. hypothermia frostbite	13
36. atmospheric pressure	13
37. mercury	13
38. aneroid barometer	13

### Chapter 3 – Moisture and Clouds

39. moisture	19
40. water vapor	19
41. saturation	19
42. dew point	19
43. condensation	19
44. condensation	19
45. relative humidity percentage	19
46. fog	19
47. water tiny crystals of ice	20
48. cumulus, stratus, cirrus	20
49. cumulus	20
50. stratus	20
51. cirrus	20
52. nimbostratus	20
53. cumulonimbus	20
54. mammatus	21
55. turbulence	21
56. cumulus	21
57. precipitation	21
58. freezing rain	21

### Chapter 4 – Weather Systems and Changes

59. air mass	27
60. source region large physical features tropical and polar	27
61. source region nature source region	27
62. capital lowercase	27
63. polar arctic tropical equatorial	27
64. m (maritime) c(continental)	27
65. front	28
66. warm front	28
67. cold front	28
68. stationary front	28
69. occluded front	28
70. thunderstorms	29
71. building mature dissipating	29
72. building	29
73. lightning	29
74. winds	30
75. Fujita Wind Damage Scale	31
76. Basement	31
77. Right	31
78. 74	31
79. 5 Saffir-Simpson Hurricane Damage Potential Scale	31
80. eye	

