

International Academy East Meteorology Test Answer

Page 1 – 10 points

1. F (0.5 points)
2. A, E, F (1 point)
3. 1008-1012 millibars (0.5 point)
4. 1024+ millibars (0.5 point)
5. Isobars (1 point)
6. C, D (1 point)
7. B (0.5 point)
8. F, The isobars are spaced closest together (1 point)
9. Cloudy, windy, high chance of precipitation (2 points)
10. Clear, low wind, and dry (2 points)

Page 2 – 10 points

11. D (0.5 points)
12. C (0.5 points)
13. B (0.5 points)
14. B (0.5 points)
15. Polar Cell (1 point)
16. Ferrel Cell (1 point)
17. Hadley Cell (1 point)
18. Polar High (1 point)
19. Polar Easterlies (1 point)
20. Westerlies (1 point)
21. Subtropical High (1 point)
22. Trade Winds (1 point)
23. Doldrums (1 point)
24. Equatorial Low (1 point)

Page 3 – 22 points

25. Precipitation and temperature (1 point)
26. A. Tropical Humid (5 points)
B. Dry
C. Temperate (Mild Mid-latitude)
D. Cold (Cold/Severe Mid-latitude)
E. Polar
27. Humid continental; Humid with severe winter, no dry season, warm summer (3 points)
28. Humid subtropical; Mild with no dry season, hot summer (3 points)
29. Af, Tropical wet, No dry season; (6 points)
Am, Tropical monsoonal, Short dry season; heavy monsoonal rains in other months;
Aw, Tropical savanna, Winter dry season;
30. ET, Tundra, Polar tundra, no true summer; EF, Ice Cap, Perennial ice (4 points)

Page 4 – 8 points

- 31. El Niño (0.5 points)
- 32. La Niña (0.5 points)
- 33. El Niño (0.5 points)
- 34. El Niño (0.5 points)
- 35. La Niña (0.5 points)
- 36. El Niño (0.5 points)
- 37. El Niño (0.5 points)
- 38. La Niña (0.5 points)
- 39. Both (0.5 points)
- 40. Both (0.5 points)
- 41. La Niña (0.5 points)
- 42. El Niño (0.5 points)
- 43. El Niño (0.5 points)
- 44. C (0.5 points)
- 45. A (0.5 points)
- 46. C (0.5 points)

Page 5 – 4 points

- 47. A (0.5 points)
- 48. C (0.5 points)
- 49. A (0.5 points)
- 50. B (0.5 points)
- 51. B (0.5 points)
- 52. D (0.5 points)
- 53. B (0.5 points)
- 54. C (0.5 points)

Page 6 – 15 points

- 55. A (0.5 points)
- 56. C (0.5 points)
- 57. D (0.5 points)
- 58. C (0.5 points)
- 59. a. Nitrogen b. Oxygen c. Argon d. Carbon Dioxide (4 points)
- 60. Vega (1 point)
- 61. Polaris (1 point)
- 62. 22.1°-24.5° (Will accept 21.5° -24.5°) (1 point)
- 63. Cold, Warm, Stationary, Occluded; No (3 points)
- 64. Erosion, less photosynthesis, destruction of habitat, etc (3 points)