

## MAT 2010 Second Stage Answers key

1. 4
2. 3
3. 3
4. 3
5. 1
6. 3
7. 2
8. 3
9. 3
10. 1
11. 4
12. 3
13. x
14. 1
15. 2
16. 3
17. 3
18. 4
19. 3
20. 2
21. 1
22. 3
23. 4
24. 3
25. 4
26. 2
27. 4
28. 3
29. 4
30. 2
31. 3
32. 4
33. 1
34. 4
35. 2
36. 3
37. 2
38. 3

39. 3  
40. 2  
41. 2  
42. 1  
43. 3  
44. 3  
45. 3  
46. 1  
47. 4  
48. 4  
49. 2  
50. 4  
51. 2  
52. 3  
53. 4  
54. 4  
55. 4  
56. 3  
57. 4  
58. 4  
59. 2  
60. 4  
61. 1  
62. 2  
63. 1  
64. 4  
65. 4  
66. 2  
67. 1  
68. 2  
69. 4  
70. 2  
71. 4  
72. 1  
73. 3  
74. x  
75. 3  
76. 1  
77. 2  
78. 3  
79. 1  
80. 2  
81. 4  
82. 2  
83. 3  
84. 3

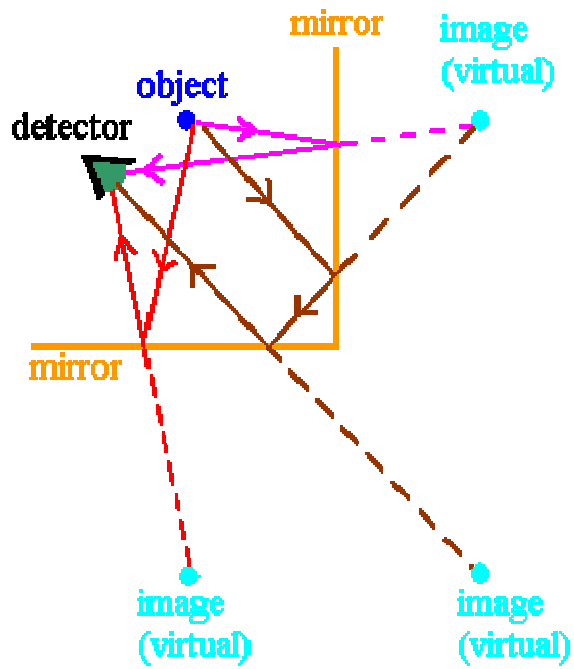
- 85. 4
- 86. 1
- 87. 1
- 88. 1
- 89. 3
- 90. 2
- 91. 11 (Only professors and Medical Specialists)
- 92. 7
- 93. 1
- 94. 4
- 95. 2
- 96. 6
- 97. 3
- 98. 2
- 99. 2
- 100. 1

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### SAT Answers key

- 1. Density of humus is less than 1.5g/cc, it is soluble in water and this property is normally used to separate humus from the soil. So immediately after dissolving we will observe debris at the top then water (containing mainly humus), water density is 1 g/cc , density of clay is just above the water and will settle after the sand. Density of wet sand is about 2g/cc.
- 2. 3
- 3. 3
- 4. 3
- 5. 1
- 6. 3
- 7. 1
- 8. 1
- 9. b. Answer based on assuming that germs means bacteria (E.Coli) Click for more info on [WBC](#) , [RBC](#) , [Platelets](#) , [Blood](#)
- 10. 1 Dispersal of [Sunflower seeds](#)
- 11. 3
- 12. 2
- 13. 3
- 14. 3 [Soap Solution](#) , [pH of different liquids](#) , [More info](#)

- 15. 3
- 16. 2
- 17. 2
- 18. 2
- 19. 4
- 20. 4 - Assuming first wax burnt and then unburnt wax evaporates)
- 21. 1
- 22. 3
- 23. 1
- 24. 2
- 25. 3
- 26. 2
- 27. 3
- 28. 3 [CFL](#)
- 29. 4



- 30. 2
- 31. 3
- 32. 3
- 33. 3 (Rolling friction- concrete - 0.01 , Tar: 0.03 , Mud roads - 0.055 , gravel road - 0.2 - 0.4)
- 34. 3
- 35. 4
- 36. 3
- 37. 2
- 38. 1
- 39. 4
- 40. 3
- 41. 1

- 42. 4
- 43. 2
- 44. 2
- 45. 4
- 46. 4
- 47. 2
- 48. 2
- 49. 3
- 50. 3
- 51. 1
- 52. 3
- 53. 3
- 54. 3
- 55. 4
- 56. 3
- 57. 2
- 58. 1
- 59. 2
- 60. 3
- 61. 3
- 62. 1
- 63. 4
- 64. 4
- 65. a
- 66. 1
- 67. 2
- 68. 3
- 69. 4
- 70. 3
- 71. 1
- 72. 1
- 73. 3
- 74. 4
- 75. 2
- 76. 4
- 77. 3
- 78. 4
- 79. 2

80. 3 *Intensive Subsistence Agriculture* involves the cultivation of small land size through the expenditure of great amounts of labor per acre. Yields per unit area and population densities are high. In Argentina the size of farms is relatively very large as compared to India or Indonesia. It is known that Subsistence Agriculture is practised in the India, Indonesia, Myanmar and Argentina. We have choose option 3 as the answer.

- 81. 3
- 82. 2
- 83. 2

84. 2

85. 2

86. c

87. 3

88. 3

89. 1

90. 3 Cultural Justice word is relatively a new word and quiet common in USA. It is unfair to ask this question from the 8th/9th class students in India.

91. 2

92. 4

93. 7

94. 6

95. 4

96. 3

97. 2 - It should be oxygen in place of air.

98. 3

99. 3

100. 1 - Black absorbs more heat and thus gas will expand more.