

MAIN EXAMINATION OF TGT – SCIENCE-PAPER-I

NOTIFICATION NO. 14/2017- D.O.E.30/08/2017

PAPER CODE-81441- PEDAGOGY OF SCIENCE-FINAL KEY- SERIES-A

| Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY |
|-------|-----|-------|-----------------|-------|-----|-------|-----------------|-------|-----------------|
| 1. | 2 | 31 | 1 | 61 | 3 | 91 | 1 | 121 | 4 |
| 2. | 4 | 32 | 1 OR 4 | 62 | 2 | 92 | 4 | 122 | 3 |
| 3. | 3 | 33 | 2 | 63 | 4 | 93 | 2 | 123 | 1 OR 3 |
| 4. | 1 | 34 | 3 | 64 | 2 | 94 | 1 | 124 | 1 |
| 5. | 2 | 35 | 2 | 65 | 1 | 95 | 3 | 125 | 2 |
| 6. | 3 | 36 | 1 | 66 | 4 | 96 | 3 | 126 | 2 |
| 7. | 2 | 37 | 1 | 67 | 3 | 97 | 2 | 127 | MARK IS AWARDED |
| 8. | 2 | 38 | 3 | 68 | 2 | 98 | 3 | 128 | 3 |
| 9. | 1 | 39 | MARK IS AWARDED | 69 | 2 | 99 | 1 | 129 | 4 |
| 10. | 2 | 40 | 3 | 70 | 3 | 100 | 3 | 130 | 1 |
| 11. | 1 | 41 | 1 OR 2 OR 4 | 71 | 1 | 101 | 1 | 131 | 3 |
| 12. | 2 | 42 | 2 | 72 | 2 | 102 | 2 OR 4 | 132 | 1 |
| 13. | 2 | 43 | 3 | 73 | 3 | 103 | 4 | 133 | 2 |
| 14. | 2 | 44 | 4 | 74 | 3 | 104 | MARK IS AWARDED | 134 | 1 |
| 15. | 3 | 45 | 4 | 75 | 4 | 105 | 3 | 135 | 2 OR 3 |
| 16. | 3 | 46 | 3 | 76 | 4 | 106 | 3 | 136 | 2 |
| 17. | 1 | 47 | 3 | 77 | 1 | 107 | 1 | 137 | 1 |
| 18. | 2 | 48 | 1 | 78 | 3 | 108 | 2 | 138 | 2 |
| 19. | 3 | 49 | 2 | 79 | 2 | 109 | 2 | 139 | 1 |
| 20. | 1 | 50 | 3 | 80 | 3 | 110 | 4 | 140 | 3 |
| 21. | 2 | 51 | 3 | 81 | 4 | 111 | 1 | 141 | 1 |
| 22. | 4 | 52 | 2 | 82 | 2 | 112 | 2 | 142 | 2 |
| 23. | 3 | 53 | 4 | 83 | 1 | 113 | 4 | 143 | 3 |
| 24. | 2 | 54 | 2 | 84 | 2 | 114 | 1 | 144 | 4 |
| 25. | 2 | 55 | 3 | 85 | 3 | 115 | 2 | 145 | 2 |
| 26. | 1 | 56 | 1 | 86 | 1 | 116 | 3 | 146 | 2 |
| 27. | 1 | 57 | 4 | 87 | 4 | 117 | 1 | 147 | MARK IS AWARDED |
| 28. | 2 | 58 | 4 | 88 | 1 | 118 | 1 | 148 | 4 |
| 29. | 1 | 59 | 4 | 89 | 2 | 119 | 2 | 149 | 4 |
| 30. | 1 | 60 | 1 | 90 | 3 | 120 | 4 | 150 | 2 |

MAIN EXAMINATION OF TGT – SCIENCE-PAPER-I

NOTIFICATION NO. 14/2017- D.O.E.30/08/2017

PAPER CODE-81441- PEDAGOGY OF SCIENCE- FINAL KEY- SERIES-B

| Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY |
|-------|-----------------|-------|--------|-------|-----------------|-------|-----|-------|-----------------|
| 1. | 1 | 31 | 3 | 61 | 4 | 91 | 1 | 121 | 1 |
| 2. | 2 | 32 | 1 | 62 | 3 | 92 | 2 | 122 | 2 |
| 3. | 3 | 33 | 2 | 63 | 1 OR 3 | 93 | 2 | 123 | 4 |
| 4. | 3 | 34 | 1 | 64 | 1 | 94 | 2 | 124 | 1 |
| 5. | 4 | 35 | 2 OR 3 | 65 | 2 | 95 | 3 | 125 | 2 |
| 6. | 4 | 36 | 2 | 66 | 2 | 96 | 3 | 126 | 3 |
| 7. | 1 | 37 | 1 | 67 | MARK IS AWARDED | 97 | 1 | 127 | 1 |
| 8. | 3 | 38 | 2 | 68 | 3 | 98 | 2 | 128 | 1 |
| 9. | 2 | 39 | 1 | 69 | 4 | 99 | 3 | 129 | 2 |
| 10. | 3 | 40 | 3 | 70 | 1 | 100 | 1 | 130 | 4 |
| 11. | 1 | 41 | 3 | 71 | 1 | 101 | 2 | 131 | 1 |
| 12. | 2 OR 4 | 42 | 2 | 72 | 2 | 102 | 4 | 132 | 1 OR 4 |
| 13. | 4 | 43 | 4 | 73 | 3 | 103 | 3 | 133 | 2 |
| 14. | MARK IS AWARDED | 44 | 2 | 74 | 4 | 104 | 2 | 134 | 3 |
| 15. | 3 | 45 | 1 | 75 | 2 | 105 | 2 | 135 | 2 |
| 16. | 3 | 46 | 4 | 76 | 2 | 106 | 1 | 136 | 1 |
| 17. | 1 | 47 | 3 | 77 | MARK IS AWARDED | 107 | 1 | 137 | 1 |
| 18. | 2 | 48 | 2 | 78 | 4 | 108 | 2 | 138 | 3 |
| 19. | 2 | 49 | 2 | 79 | 4 | 109 | 1 | 139 | MARK IS AWARDED |
| 20. | 4 | 50 | 3 | 80 | 2 | 110 | 1 | 140 | 3 |
| 21. | 3 | 51 | 2 | 81 | 1 OR 2 OR 4 | 111 | 1 | 141 | 4 |
| 22. | 2 | 52 | 4 | 82 | 2 | 112 | 4 | 142 | 2 |
| 23. | 4 | 53 | 3 | 83 | 3 | 113 | 2 | 143 | 1 |
| 24. | 2 | 54 | 1 | 84 | 4 | 114 | 1 | 144 | 2 |
| 25. | 3 | 55 | 2 | 85 | 4 | 115 | 3 | 145 | 3 |
| 26. | 1 | 56 | 3 | 86 | 3 | 116 | 3 | 146 | 1 |
| 27. | 4 | 57 | 2 | 87 | 3 | 117 | 2 | 147 | 4 |
| 28. | 4 | 58 | 2 | 88 | 1 | 118 | 3 | 148 | 1 |
| 29. | 4 | 59 | 1 | 89 | 2 | 119 | 1 | 149 | 2 |
| 30. | 1 | 60 | 2 | 90 | 3 | 120 | 3 | 150 | 3 |

MAIN EXAMINATION OF TGT – SCIENCE-PAPER-I

NOTIFICATION NO. 14/2017- D.O.E.30/08/2017

PAPER CODE-81441- PEDAGOGY OF SCIENCE- FINAL KEY- SERIES-C

| Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY |
|-------|-----------------|-------|-----------------|-------|-----------------|-------|-------------|-------|-----------------|
| 1. | 1 | 31 | 3 | 61 | 1 | 91 | 4 | 121 | 2 |
| 2. | 4 | 32 | 2 | 62 | 2 | 92 | 2 | 122 | 4 |
| 3. | 2 | 33 | 4 | 63 | 2 | 93 | 1 | 123 | 3 |
| 4. | 1 | 34 | 2 | 64 | 2 | 94 | 2 | 124 | 2 |
| 5. | 3 | 35 | 1 | 65 | 3 | 95 | 3 | 125 | 2 |
| 6. | 3 | 36 | 4 | 66 | 3 | 96 | 1 | 126 | 1 |
| 7. | 2 | 37 | 3 | 67 | 1 | 97 | 4 | 127 | 1 |
| 8. | 3 | 38 | 2 | 68 | 2 | 98 | 1 | 128 | 2 |
| 9. | 1 | 39 | 2 | 69 | 3 | 99 | 2 | 129 | 1 |
| 10. | 3 | 40 | 3 | 70 | 1 | 100 | 3 | 130 | 1 |
| 11. | 1 | 41 | 1 | 71 | 1 | 101 | 2 | 131 | 3 |
| 12. | 2 | 42 | 2 OR 4 | 72 | 2 | 102 | 4 | 132 | 2 |
| 13. | 3 | 43 | 4 | 73 | 4 | 103 | 3 | 133 | 4 |
| 14. | 4 | 44 | MARK IS AWARDED | 74 | 1 | 104 | 1 | 134 | 2 |
| 15. | 2 | 45 | 3 | 75 | 2 | 105 | 2 | 135 | 3 |
| 16. | 2 | 46 | 3 | 76 | 3 | 106 | 3 | 136 | 1 |
| 17. | MARK IS AWARDED | 47 | 1 | 77 | 1 | 107 | 2 | 137 | 4 |
| 18. | 4 | 48 | 2 | 78 | 1 | 108 | 2 | 138 | 4 |
| 19. | 4 | 49 | 2 | 79 | 2 | 109 | 1 | 139 | 4 |
| 20. | 2 | 50 | 4 | 80 | 4 | 110 | 2 | 140 | 1 |
| 21. | 1 | 51 | 3 | 81 | 1 | 111 | 1 OR 2 OR 4 | 141 | 4 |
| 22. | 2 | 52 | 1 | 82 | 1 OR 4 | 112 | 2 | 142 | 3 |
| 23. | 3 | 53 | 2 | 83 | 2 | 113 | 3 | 143 | 1 OR 3 |
| 24. | 3 | 54 | 1 | 84 | 3 | 114 | 4 | 144 | 1 |
| 25. | 4 | 55 | 2 OR 3 | 85 | 2 | 115 | 4 | 145 | 2 |
| 26. | 4 | 56 | 2 | 86 | 1 | 116 | 3 | 146 | 2 |
| 27. | 1 | 57 | 1 | 87 | 1 | 117 | 3 | 147 | MARK IS AWARDED |
| 28. | 3 | 58 | 2 | 88 | 3 | 118 | 1 | 148 | 3 |
| 29. | 2 | 59 | 1 | 89 | MARK IS AWARDED | 119 | 2 | 149 | 4 |
| 30. | 3 | 60 | 3 | 90 | 3 | 120 | 3 | 150 | 1 |

MAIN EXAMINATION OF TGT – SCIENCE-PAPER-I

NOTIFICATION NO. 14/2017- D.O.E.30/08/2017

PAPER CODE-81441- PEDAGOGY OF SCIENCE- FINAL KEY- SERIES-D

| Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY | Q.No. | KEY |
|-------|--------------------|-------|-----|-------|--------------------|-------|--------------------|-------|-------------------|
| 1. | 2 | 31 | 1 | 61 | 1 | 91 | 3 | 121 | 1 OR 2 OR 4 |
| 2. | 4 | 32 | 2 | 62 | 2 | 92 | 2 | 122 | 2 |
| 3. | 3 | 33 | 4 | 63 | 3 | 93 | 4 | 123 | 3 |
| 4. | 2 | 34 | 1 | 64 | 4 | 94 | 2 | 124 | 4 |
| 5. | 2 | 35 | 2 | 65 | 2 | 95 | 1 | 125 | 4 |
| 6. | 1 | 36 | 3 | 66 | 2 | 96 | 4 | 126 | 3 |
| 7. | 1 | 37 | 1 | 67 | MARK IS AWARDED | 97 | 3 | 127 | 3 |
| 8. | 2 | 38 | 1 | 68 | 4 | 98 | 2 | 128 | 1 |
| 9. | 1 | 39 | 2 | 69 | 4 | 99 | 2 | 129 | 2 |
| 10. | 1 | 40 | 4 | 70 | 2 | 100 | 3 | 130 | 3 |
| 11. | 3 | 41 | 1 | 71 | 1 | 101 | 3 | 131 | 1 |
| 12. | 2 | 42 | 4 | 72 | 2 OR 4 | 102 | 1 | 132 | 2 |
| 13. | 4 | 43 | 2 | 73 | 4 | 103 | 2 | 133 | 2 |
| 14. | 2 | 44 | 1 | 74 | MARK IS AWARDED | 104 | 1 | 134 | 2 |
| 15. | 3 | 45 | 3 | 75 | 3 | 105 | 2 OR 3 | 135 | 3 |
| 16. | 1 | 46 | 3 | 76 | 3 | 106 | 2 | 136 | 3 |
| 17. | 4 | 47 | 2 | 77 | 1 | 107 | 1 | 137 | 1 |
| 18. | 4 | 48 | 3 | 78 | 2 | 108 | 2 | 138 | 2 |
| 19. | 4 | 49 | 1 | 79 | 2 | 109 | 1 | 139 | 3 |
| 20. | 1 | 50 | 3 | 80 | 4 | 110 | 3 | 140 | 1 |
| 21. | 4 | 51 | 4 | 81 | 2 | 111 | 1 | 141 | 1 |
| 22. | 3 | 52 | 2 | 82 | 4 | 112 | 1 OR 4 | 142 | 2 |
| 23. | 1 OR 3 | 53 | 1 | 83 | 3 | 113 | 2 | 143 | 3 |
| 24. | 1 | 54 | 2 | 84 | 1 | 114 | 3 | 144 | 3 |
| 25. | 2 | 55 | 3 | 85 | 2 | 115 | 2 | 145 | 4 |
| 26. | 2 | 56 | 1 | 86 | 3 | 116 | 1 | 146 | 4 |
| 27. | MARK IS AWARDED | 57 | 4 | 87 | 2 | 117 | 1 | 147 | 1 |
| 28. | 3 | 58 | 1 | 88 | 2 | 118 | 3 | 148 | 3 |
| 29. | 4 | 59 | 2 | 89 | 1 | 119 | MARK IS AWARDED | 149 | 2 |
| 30. | 1 | 60 | 3 | 90 | 2 | 120 | 3 | 150 | 3 |