

JOINT CSIR-UGC-JRF/NET JUNE, 2018 ANSWER KEY  
SUBJECT : **MATHEMATICAL SCIENCES**

| <b>BOOKLET CODE : A - (BILINGUAL AND ENGLISH)</b> |     |  |       |       |  |       |         |
|---|-----|--|-------|-------|--|-------|---------|
| Q.No.   | Key |  | Q.No. | Key   |  | Q.No. | Key     |
| 1   | 2   |  | 41    | 3     |  | 81    | 1,2,3,4 |
| 2   | 1   |  | 42    | 4     |  | 82    | 1,3     |
| 3   | 2   |  | 43    | 4     |  | 83    | 1       |
| 4   | 3   |  | 44    | 3     |  | 84    | 2       |
| 5   | 4   |  | 45    | 1     |  | 85    | 2,3     |
| 6   | 3   |  | 46    | 1     |  | 86    | 1       |
| 7   | 2   |  | 47    | 2     |  | 87    | 1,3     |
| 8   | 4   |  | 48    | 2     |  | 88    | 1,4     |
| 9   | 2   |  | 49    | 3     |  | 89    | 1,3,4   |
| 10  | 1   |  | 50    | 3     |  | 90    | 1,3     |
| 11  | 2   |  | 51    | 2     |  | 91    | 1,3     |
| 12  | 4   |  | 52    | 2     |  | 92    | 1       |
| 13  | 3   |  | 53    | 4     |  | 93    | 1,2,3   |
| 14  | 3   |  | 54    | 4     |  | 94    | 1,2,3,4 |
| 15  | 4   |  | 55    | 3     |  | 95    | 3       |
| 16  | 2   |  | 56    | 4     |  | 96    | 2       |
| 17  | 4   |  | 57    | 2     |  | 97    | 1,3,4   |
| 18  | 4   |  | 58    | 4     |  | 98    | 1       |
| 19  | 3   |  | 59    | 3     |  | 99    | 1       |
| 20  | 3   |  | 60    | 3     |  | 100   | 1,4     |
| 21  | 4   |  | 61    | 1,2,4 |  | 101   | 1       |
| 22  | 2   |  | 62    | 1,2   |  | 102   | 1,2     |
| 23  | 1   |  | 63    | 1,2   |  | 103   | 2,3,4   |
| 24  | 2   |  | 64    | 1,4   |  | 104   | 3,4     |
| 25  | 3   |  | 65    | 1,2   |  | 105   | 1,4     |
| 26  | 3   |  | 66    | 4     |  | 106   | 2,4     |
| 27  | 4   |  | 67    | 1,3,4 |  | 107   | 1,2,3   |
| 28  | 3   |  | 68    | 2,4   |  | 108   | 1,3,4   |
| 29  | 4   |  | 69    | 2     |  | 109   | 1,2,3,4 |
| 30  | 3   |  | 70    | 4     |  | 110   | 3,4     |
| 31  | 2   |  | 71    | 3,4   |  | 111   | 2,3,4   |
| 32  | 3   |  | 72    | 1,4   |  | 112   | 2,3     |
| 33  | 3   |  | 73    | 4     |  | 113   | 1,2,3   |
| 34  | 2   |  | 74    | 1,4   |  | 114   | 1,3,4   |
| 35  | 1   |  | 75    | 2,3   |  | 115   | 1,4     |
| 36  | 4   |  | 76    | 3,4   |  | 116   | 1,2     |
| 37  | 3   |  | 77    | 4     |  | 117   | 3,4     |
| 38  | 4   |  | 78    | 1     |  | 118   | 2,4     |
| 39  | 3   |  | 79    | 1,3   |  | 119   | 1,3,4   |
| 40  | 2   |  | 80    | 1,2,4 |  | 120   | 1,2,4   |

JOINT CSIR-UGC-JRF/NET JUNE, 2018 ANSWER KEY  
SUBJECT : **MATHEMATICAL SCIENCES**

| <b>BOOKLET CODE : B - (BILINGUAL AND ENGLISH)</b> |     |  |       |       |  |       |         |
|---|-----|--|-------|-------|--|-------|---------|
| Q.No.   | Key |  | Q.No. | Key   |  | Q.No. | Key     |
| 1   | 4   |  | 41    | 4     |  | 81    | 1       |
| 2   | 2   |  | 42    | 3     |  | 82    | 1,3     |
| 3   | 2   |  | 43    | 1     |  | 83    | 1,4     |
| 4   | 2   |  | 44    | 1     |  | 84    | 1,2,3,4 |
| 5   | 4   |  | 45    | 2     |  | 85    | 1,3     |
| 6   | 1   |  | 46    | 2     |  | 86    | 1       |
| 7   | 4   |  | 47    | 3     |  | 87    | 2       |
| 8   | 3   |  | 48    | 4     |  | 88    | 2,3     |
| 9   | 4   |  | 49    | 2     |  | 89    | 1,3     |
| 10  | 3   |  | 50    | 2     |  | 90    | 1,2,4   |
| 11  | 1   |  | 51    | 4     |  | 91    | 1       |
| 12  | 3   |  | 52    | 4     |  | 92    | 1,2     |
| 13  | 4   |  | 53    | 3     |  | 93    | 1       |
| 14  | 3   |  | 54    | 4     |  | 94    | 1       |
| 15  | 2   |  | 55    | 2     |  | 95    | 1,4     |
| 16  | 2   |  | 56    | 4     |  | 96    | 1,2,3   |
| 17  | 4   |  | 57    | 3     |  | 97    | 1,2,3,4 |
| 18  | 3   |  | 58    | 3     |  | 98    | 3       |
| 19  | 3   |  | 59    | 3     |  | 99    | 2       |
| 20  | 2   |  | 60    | 3     |  | 100   | 1,3,4   |
| 21  | 1   |  | 61    | 1,2   |  | 101   | 1       |
| 22  | 2   |  | 62    | 1,4   |  | 102   | 1,3     |
| 23  | 3   |  | 63    | 1,2   |  | 103   | 1,3,4   |
| 24  | 3   |  | 64    | 4     |  | 104   | 1,2,4   |
| 25  | 4   |  | 65    | 1,3,4 |  | 105   | 1,2     |
| 26  | 3   |  | 66    | 2,4   |  | 106   | 3,4     |
| 27  | 4   |  | 67    | 2     |  | 107   | 2,4     |
| 28  | 3   |  | 68    | 4     |  | 108   | 1,4     |
| 29  | 2   |  | 69    | 3,4   |  | 109   | 2,4     |
| 30  | 3   |  | 70    | 1,4   |  | 110   | 1,2,3   |
| 31  | 4   |  | 71    | 4     |  | 111   | 1,3,4   |
| 32  | 2   |  | 72    | 1,4   |  | 112   | 1,2,3,4 |
| 33  | 1   |  | 73    | 2,3   |  | 113   | 3,4     |
| 34  | 4   |  | 74    | 3,4   |  | 114   | 2,3,4   |
| 35  | 3   |  | 75    | 4     |  | 115   | 2,3     |
| 36  | 4   |  | 76    | 1     |  | 116   | 1,2,3   |
| 37  | 3   |  | 77    | 1,2,4 |  | 117   | 1,3,4   |
| 38  | 2   |  | 78    | 1,2   |  | 118   | 1,4     |
| 39  | 3   |  | 79    | 1,3,4 |  | 119   | 2,3,4   |
| 40  | 2   |  | 80    | 1,3   |  | 120   | 3,4     |

JOINT CSIR-UGC-JRF/NET JUNE, 2018 ANSWER KEY  
SUBJECT : **MATHEMATICAL SCIENCES**

| <b>BOOKLET CODE : C - (BILINGUAL AND ENGLISH)</b> |     |  |       |       |  |       |         |
|---|-----|--|-------|-------|--|-------|---------|
| Q.No.   | Key |  | Q.No. | Key   |  | Q.No. | Key     |
| 1   | 2   |  | 41    | 2     |  | 81    | 1,3     |
| 2   | 2   |  | 42    | 2     |  | 82    | 1,2,3,4 |
| 3   | 3   |  | 43    | 3     |  | 83    | 1,2,4   |
| 4   | 2   |  | 44    | 4     |  | 84    | 1,3     |
| 5   | 4   |  | 45    | 4     |  | 85    | 1,3     |
| 6   | 3   |  | 46    | 3     |  | 86    | 1,3,4   |
| 7   | 1   |  | 47    | 1     |  | 87    | 1,4     |
| 8   | 1   |  | 48    | 1     |  | 88    | 1,3     |
| 9   | 3   |  | 49    | 3     |  | 89    | 1       |
| 10  | 3   |  | 50    | 3     |  | 90    | 2,3     |
| 11  | 4   |  | 51    | 3     |  | 91    | 2       |
| 12  | 3   |  | 52    | 3     |  | 92    | 3       |
| 13  | 2   |  | 53    | 2     |  | 93    | 1,2,3,4 |
| 14  | 4   |  | 54    | 2     |  | 94    | 1,2,3   |
| 15  | 2   |  | 55    | 4     |  | 95    | 1       |
| 16  | 4   |  | 56    | 4     |  | 96    | 1,3     |
| 17  | 3   |  | 57    | 3     |  | 97    | 1,2     |
| 18  | 2   |  | 58    | 4     |  | 98    | 1       |
| 19  | 4   |  | 59    | 2     |  | 99    | 1,4     |
| 20  | 4   |  | 60    | 4     |  | 100   | 1       |
| 21  | 2   |  | 61    | 4     |  | 101   | 1       |
| 22  | 3   |  | 62    | 1     |  | 102   | 1,3,4   |
| 23  | 4   |  | 63    | 1,2,4 |  | 103   | 3,4     |
| 24  | 2   |  | 64    | 1,2   |  | 104   | 1,2,3,4 |
| 25  | 1   |  | 65    | 1,2   |  | 105   | 1,3,4   |
| 26  | 2   |  | 66    | 1,4   |  | 106   | 1,2,3   |
| 27  | 3   |  | 67    | 1,2   |  | 107   | 2,4     |
| 28  | 3   |  | 68    | 4     |  | 108   | 1,4     |
| 29  | 4   |  | 69    | 1,3,4 |  | 109   | 3,4     |
| 30  | 3   |  | 70    | 2,4   |  | 110   | 2,3,4   |
| 31  | 4   |  | 71    | 2     |  | 111   | 1,2,4   |
| 32  | 3   |  | 72    | 4     |  | 112   | 1,3,4   |
| 33  | 3   |  | 73    | 3,4   |  | 113   | 2,4     |
| 34  | 2   |  | 74    | 1,4   |  | 114   | 3,4     |
| 35  | 3   |  | 75    | 4     |  | 115   | 1,2     |
| 36  | 2   |  | 76    | 1,4   |  | 116   | 1,4     |
| 37  | 1   |  | 77    | 2,3   |  | 117   | 1,3,4   |
| 38  | 4   |  | 78    | 3,4   |  | 118   | 1,2,3   |
| 39  | 3   |  | 79    | 2     |  | 119   | 2,3     |
| 40  | 4   |  | 80    | 1     |  | 120   | 2,3,4   |