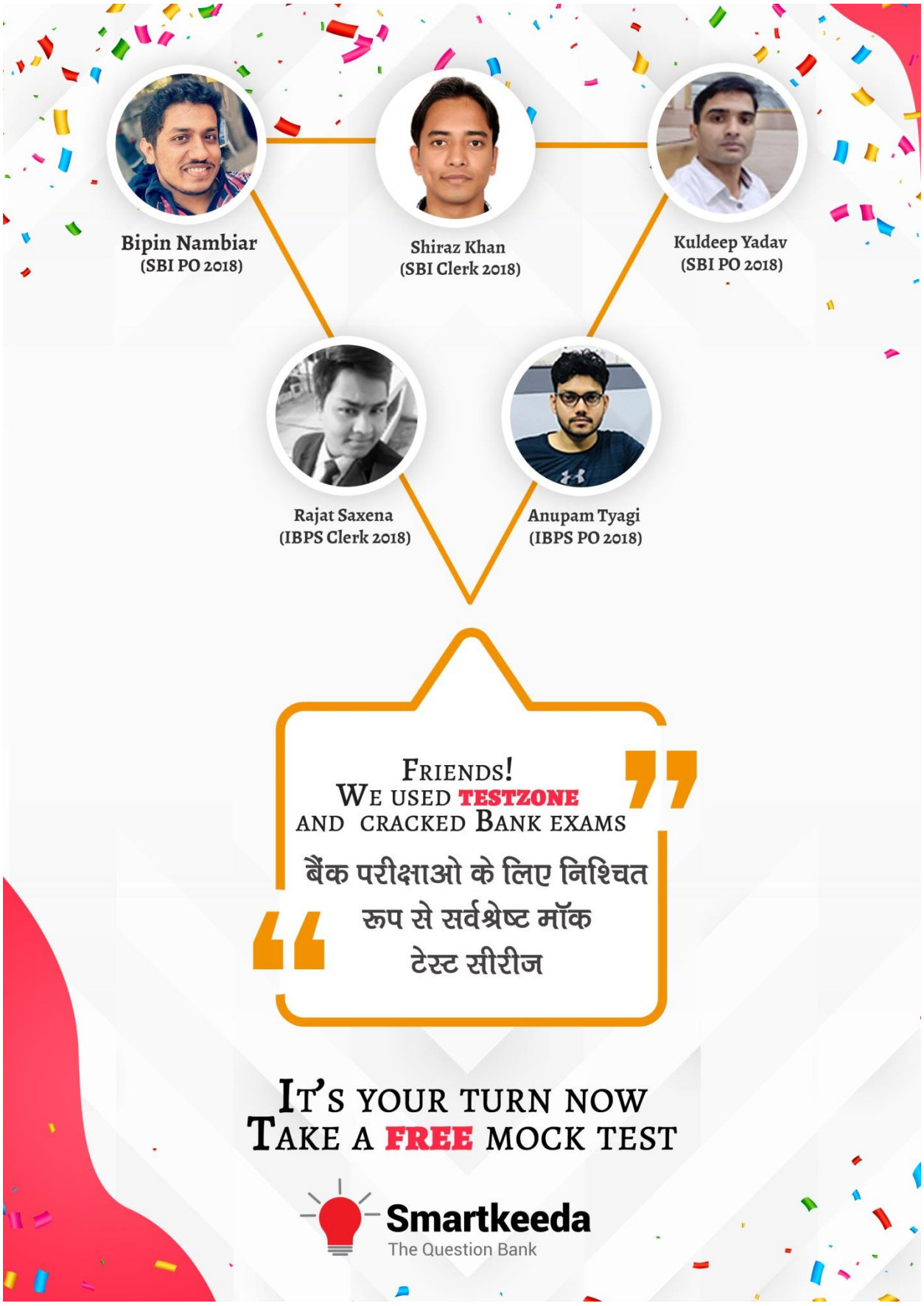
Bipin Nambiar
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The Question Bank

Number series Questions for SBI Clerk Pre, IBPS Clerk Pre and IBPS RRB Exams.

Number series

Directions : What will come in place of question mark (?) in the following series?

1. 47 48 51 60 87 ?

A. 152 B. 168 C. 172 D. 144 E. None of these

2. 147 148 150 159 223 ?

A. 448 B. 612 C. 368 D. 848 E. None of these

3. 145 158 119 184 93 ?

A. 198 B. 210 C. 204 D. 220 E. None of these

4. 143 151 158 172 182 ?

A. 192 B. 191 C. 190 D. 193 E. None of these

5. 47 78 115 164 231 ?

A. 320 B. 322 C. 324 D. 326 E. None of these

6. 19 61 31 47 ? 19

A. 60 B. 65 C. 55 D. 45 E. None of these

7. 21 ? 52 80 119 171

A. 33 B. 40 C. 45 D. 50 E. None of these

8. 768 576 432 324 ? 182.25

A. 245 B. 243 C. 240 D. 256 E. None of these

9. 524 260 128 62 ? 12.5

A. 32 B. 25 C. 33 D. 28 E. None of these

10. 4 4 11 37 100 ?

A. 228 B. 244 C. 224 D. 312 E. None of these

11. 4 20 51 105 ? 314

A. 169 B. 190 C. 196 D. 194 E. None of these

12. 67 ? 84.5 97 112 129.5 149.5

A. 70 B. 75 C. 73.5 D. 74 E. None of these

13. 3 10 ? 225 1591 14334

A. 40 B. 48 C. 42 D. 30 E. None of these

14. 2 7 63 420 ? 20741

A. 2968 B. 2940 C. 2912 D. 2989 E. None of these

15. 462 552 650 756 870 992 ?

A. 1040 B. 1122 C. 1132 D. 1050 E. None of these

16. 17 23 83 293 797 ?

A. 1787 B. 1645 C. 2845 D. 2734 E. None of these

17. 18 23 42 83 154 ?

A. 265 B. 285 C. 263 D. 312 E. None of these

18. 12 5 9 13 17 ?

A. 21 B. 22 C. 23 D. 16 E. None of these

19. 46 57 70 81 ? 105

A. 92 B. 94 C. 99 D. 95 E. None of these

20. 16 16 33 50 67 ?

A. 81 B. 92 C. 72 D. 84 E. None of these

21. 105 118 111.5 124.5 118 ?

A. 131 B. 129 C. 135 D. 132 E. None of these

22. 5 3 6 9 ? 15

A. 11 B. 12 C. 13 D. 12.5 E. None of these

23. 89 91 94 99 ? 117

A. 102 B. 104 C. 106 D. 108 E. None of these

24. 970 849 768 719 694 ?

A. 675 B. 680 C. 685 D. 690 E. None of these

25. 40 59 97 173 325 ?

A. 629 B. 529 C. 539 D. 641 E. None of these

26. 452 790 1466 2818 5522 ?

A. 12530 B. 10930 C. 18540 D. 13542 E. None of these

27. 10000 2000 400 80 16 ?

A. 3.2 B. 1.5 C. 2.5 D. 1.2 E. None of these

28. 2 10 42 170 682 ?

A. 2560 B. 2760 C. 2730 D. 3030 E. None of these

29. 200 220 484 1597.2 7027.68 ?

A. 32452.24 B. 40552.24 C. 28650.24 D. 38652.24 E. None of these

30. 10 11 26 87 364 ?

A. 1654 B. 1845 C. 1945 D. 2045 E. None of these

31. 2 3 10 39 172 ?

A. 340 B. 885 C. 880 D. 251 E. None of these

32. 4 2 3 7.5 26.25 ?

A. 120 B. 125.125 C. 118.125 D. 115.75 E. None of these

33. 15 16 20 29 45 70 106 ?

A. 140 B. 148 C. 158 D. 155 E. None of these

34. 842 ? 2402 3480 4762

A. 1520 B. 1420 C. 1250 D. 1000 E. None of these

35. 1 9 36 100 225 ?

A. 414 B. 424 C. 441 D. 431 E. None of these

36. 43 41 44 39 46 ?

A. 35 B. 33 C. 39 D. 37 E. None of these

37. 0 4 12 76 ?

A. 2888 B. 2892 C. 2762 D. 2766 E. None of these

38. 14 27 53 105 209 ?

A. 417 B. 418 C. 419 D. 429 E. None of these

39. 43 54 76 109 153 ?

A. 212 B. 209 C. 215 D. 206 E. None of these

40. 2 3 14 69 340 ?

A. 1800 B. 1825 C. 1850 D. 1875 E. None of these

41. 9827 9706 9606 9525 9461 ?

A. 9520 B. 9421 C. 9412 D. 9425 E. None of these

42. 1991 1964 1900 1775 ?

A. 1569 B. 1625 C. 1659 D. 1595 E. None of these

43. 7 56 92 117 133 ?

A. 148 B. 138 C. 135 D. 147 E. None of these

44. 3 17 45 87 143 ?

A. 183 B. 163 C. 203 D. 213 E. None of these

45. 4 2 2 3 6 ?

A. 12 B. 15 C. 24 D. 18 E. None of these

46. 729 730 734 761 1017 ?

A. 4142 B. 2034 C. 3151 D. 3868 E. None of these

47. 512 256 256 384 768 ?

A. 1512 B. 1920 C. 1880 D. 1890 E. None of these

48. 0 2 28 93 217 ?

A. 432 B. 433 C. 434 D. 435 E. None of these

49. 125 126 130 139 155 180 ?

A. 216 B. 225 C. 210 D. 226 E. None of these

50. 1331 1431 1631 1931 2331 ?

A. 3431 B. 2831 C. 3131 D. 2531 E. None of these

Correct Answers:

1	2	3	4	5	6	7	8	9	10
B	D	B	D	B	C	A	B	E	C
11	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
B	E	C	A	B	A	C	A	B	D
21	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
A	B	C	C	A	B	A	C	D	B
31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
B	C	D	A	C	A	B	A	E	B
41	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**
C	E	E	D	B	A	B	C	A	B

Explanations:

1.

Series Pattern	Given Series	
47	47	
47 + 1 = 48	48	
48 + 3 = 51	51	
51 + 9 = 60	60	
60 + 27 = 87	87	
87 + 81 = 168	**168**	✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series	
147	147	
$147 + 1^0 = 148$	148	
$148 + 2^1 = 150$	150	
$150 + 3^2 = 159$	159	
$159 + 4^3 = 223$	223	
$223 + 5^4 = 848$	**848**	✓

Hence, option (D) is correct.

3.

Series Pattern	Given Series	
145	145	
145 + 13 ×1 = 158	158	
158 – 13 × 3 = 119	119	
119 + 13 × 5 = 184	184	
184 – 13 × 7 = 93	93	
93 + 13 × 9 = 210	**210**	✓

Hence, option (B) is correct.

4.

Series Pattern	Given Series	
143	143	
143 + (1 + 4 + 3) = 151	151	
151 + (1 + 5 + 1) = 158	158	
158 + (1 + 5 + 8) =172	172	
172 + (1 + 7 + 2) = 182	182	
182 + (1 + 8 + 2) = 193	**193**	✓

Hence, option (D) is correct.

5.

Series Pattern	Given Series	
47	47	
47 + 31 = 78	78	
78 + (31 + 6) = 115	115	
115 + (37 + 12) = 164	164	
164 + (49 + 18) = 231	231	
231 + (67 + 24) = 322	**322**	✓

Hence, option (B) is correct.

---

6. In this question there are two series:

1st series: 19 31 **55**

Pattern: 19 + 12 = 31, 31 + 24 = **55**

2nd series: 61 47 19

Pattern: 61 – 14 = 47, 45 – 28 = 17

Hence, option C is correct.

07.

Series Pattern	Series	
21	21	
21 + 12	33	✓
33 + 12 + 7	52	
52 + 19 + 9	80	
80 + 28 + 11	119	
119 + 39 + 13	171	

Hence, option (A) is correct.

8.

Series Pattern	Series
768	768
768 × 3/4	576
576 × 3/4	432
432 × 3/4	324
324 × 3/4	**243** ✓
243 × 3/4	182.25

Hence, option (B) is correct.

9.

Series Pattern	Series
524	524
524 ÷ 2 – 2	260
260 ÷ 2 – 2	128
128 ÷ 2 – 2	62
62 ÷ 2 – 2	**29** ✓
29 ÷ 2 – 2	12.5

Hence, option (E) is correct.

10.

Series Pattern	Series
4	4
$4 + 1^3 - 1$	4
$4 + 2^3 - 1$	11
$11 + 3^3 - 1$	37
$37 + 4^3 - 1$	100
$100 + 5^3 - 1$	**224** ✓

Hence, option (C) is correct.

11.

Series Pattern	Given Series
4	4
$4 + 2^2 + 12 = 20$	20
$20 + 4^2 + 15 = 51$	51
$51 + 6^2 + 18 = 105$	105
$105 + 8^2 + 21 = 190$	**190** ✓
$190 + 10^2 + 24 = 314$	314

Hence, option (B) is correct.

12.

Series Pattern	Given Series	
67	67	
67 + 7.5 = 74.5	**74.5**	✓
74.5 + 10 = 84.5	84.5	
84.5 + 12.5 = 97	97	
97 + 15 = 112	112	
112 + 17.5 = 129.5	129.5	
129.5 + 20 = 149.5	149.5	

Hence, option (E) is correct.

13.

Series Pattern	Given Series	
3	3	
3 × 1 + (1 × 7) = 10	10	
10 × 3 + (2 × 6) = 42	**42**	✓
42 × 5 + (3 × 5) = 225	225	
225 × 7 + (4 × 4) = 1591	1591	
1591 × 9 + (5 × 3) = 14334	14334	

Hence, option (C) is correct.

14.

Series Pattern	Given Series	
2	2	
(2 × 7) – 7 = 7	7	
(7 × 7) + 14 = 63	63	
(63 × 7) – 21 = 420	420	
(420 × 7) + 28 = 2968	**2968**	✓
(2968 × 7) – 35 = 20741	20741	

Hence, option (A) is correct.

15.

Series Pattern	Given Series	
462	462	
462 + 90 = 552	552	
552 + 90 + 8 = 650	650	
650 + 98 + 8 = 756	756	
756 + 106 + 8 = 870	870	
870 + 114 + 8 = 992	992	
992 + 122 + 8 = 1122	**1122**	✓

Hence, option (B) is correct.

16.

Series Pattern	Given Series	
17	17	
17 + (1 × 2 × 3)	23	
23 + (3 × 4 × 5)	83	
83 + (5 × 6 × 7)	293	
293 + (7 × 8 × 9)	797	
797 + (9 × 10 × 11)	**1787**	✓

Hence, option A is correct.

17.

Series Pattern	Given Series	
18	18	
$18 + (2^2 + 1)$	23	
$23 + (4^2 + 3)$	42	
$42 + (6^2 + 5)$	83	
$83 + (8^2 + 7)$	154	
$154 + (10^2 + 9)$	**263**	✓

Hence, option (C) is correct.

18.

Series Pattern	Given series	
12	12	
$12 \times \frac{1}{3} + 1$	5	
$12 \times \frac{2}{3} + 1$	9	
$12 \times \frac{3}{3} + 1$	13	
$12 \times \frac{4}{3} + 1$	17	
$12 \times \frac{5}{3} + 1$	**21**	✓

Hence, option (A) is correct.

19.

Series Pattern	Given Series	
46	46	
46 + 11	57	
57 + 13	70	
70 + 11	81	
81 + 13	**94**	✓
94 + 11	105	

Hence, option (B) is correct.

20.

Series Pattern	Given Series	
16	16	
16 × 1 + 0	16	
16 × 2 + 1	33	
16 × 3 + 2	50	
16 × 4 + 3	67	
16 × 5 + 4	**84**	✓

Hence, option (D) is correct.

21.

Series Pattern	Given Series	
105	105	
105 + 13 = 118	118	
118 – 6.5 = 111.5	111.5	
111.5 + 13 = 124.5	124.5	
124.5 – 6.5 = 118	118	
118 + 13 = 131	**131**	✓

Hence, option (A) is correct.

22.

Series Pattern	Given Series	
5	5	
5 × 0.5 + 0.5 = 3	3	
5 × 1 + 1 = 6	6	
5 × 1.5 + 1.5 = 9	9	
5 × 2 + 2 = 12	**12**	✓
5 × 2.5 + 2.5 = 15	15	

Hence, option (B) is correct.

23.

Series Pattern	Given Series	
89	89	
89 + 2 = 91	91	
91 + 3 = 94	94	
94 + 5 = 99	99	
99 + 7 = 106	**106**	✓
106 + 11 = 117	117	

Hence, option (C) is correct.

24.

Series Pattern	Given Series	
970	970	
$970 - 11^2$	849	
$849 - 9^2$	768	
$768 - 7^2$	719	
$719 - 5^2$	694	
$694 - 3^2$	**685**	✓

Hence, option (C) is correct.

25.

Series Pattern	Given Series	
40	40	
40 + 19	59	
59 + 19 × 2	97	
97 + 38 × 2	173	
173 + 76 × 2	325	
325 + 152 × 2	**629**	✓

Hence, option (A) is correct.

26.

Series Pattern	Given Series	
452	452	
452 + 338	790	
790 + 676	1466	
1466 + 1352	2818	
2818 + 2704	5522	
5522 + 5408	**10930**	✓

Hence, option (B) is correct.

27.

Series Pattern	Given Series	
10000	10000	
10000 ÷ 5	2000	
2000 ÷ 5	400	
400 ÷ 5	80	
80 ÷ 5	16	
16 ÷ 5	**3.2**	✓

Hence, option (A) is correct.

28.

Series Pattern	Given Series	
2	2	
2 × 4 + 2	10	
10 × 4 + 2	42	
42 × 4 + 2	170	
170 × 4 + 2	682	
682 × 4 + 2	**2730**	✓

Hence, option (C) is correct.

29.

Series Pattern	Given Series	
200	200	
200 × 1.1	220	
220 × 2.2	484	
484 × 3.3	1597.2	
1597.2 × 4.4	7027.68	
7027.68 × 5.5	**38652.24**	✓

Hence, option (D) is correct.

30.

Series Pattern	Given Series	
10	10	
$10 \times 1 + 1^2$	11	
$11 \times 2 + 2^2$	26	
$26 \times 3 + 3^2$	87	
$87 \times 4 + 4^2$	364	
$364 \times 5 + 5^2$	**1845**	✓

Hence, option (B) is correct.

31.

Series Pattern	Given Series
2	2
2 × 1 + 1 = 3	3
3 × 2 + 4 = 10	10
10 × 3 + 9 = 39	39
39 × 4 + 16 = 172	172
172 × 5 + 25 = 885	**885** ✓

Hence, option (B) is correct.

32.

Series Pattern	Given Series
4	4
4 × 0.5 = 2	2
2 × 1.5 = 3	3
3 × 2.5 = 7.5	7.5
7.5 × 3.5 = 26.25	26.25
26.25 × 4.5 = 118.125	**118.125** ✓

Hence, option (C) is correct.

33.

Series Pattern	Given Series
15	15
15 + 1 = 16	16
16 + 4 = 20	20
20 + 9 = 29	29
29 + 16 = 45	45
45 + 25 = 70	70
70 + 36 = 106	106
106 + 49 = 155	**155** ✓

Hence, option (D) is correct.

34.

Series Pattern	Given Series
$29^2 + 1 = 842$	842
$39^2 - 1 = 1520$	**1520** ✓
$49^2 + 1 = 2402$	2402
$59^2 - 1 = 3480$	3480
$69^2 + 1 = 4762$	4762

Hence, option (A) is correct.

35.

Series Pattern	Given Series	
1	1	
$1 + 2^3 = 9$	9	
$9 + 3^3 = 36$	36	
$36 + 4^3 = 100$	100	
$100 + 5^3 = 225$	225	
$225 + 6^3 = 441$	**441**	✓

Hence, option (C) is correct.

36.

Series Pattern	Given Series	
43	43	
43 – 2 = 41	41	
41 + 3 = 44	44	
44 – 5 = 39	39	
39 + 7 = 46	46	
46 – 11 = 35	**35**	✓

Hence, option (A) is correct.

37.

Series Pattern	Given Series	
0	0	
$(0)^2 \div 2 + 4 = 4$	4	
$(4)^2 \div 2 + 4 = 12$	12	
$(12)^2 \div 2 + 4 = 76$	76	
$(76)^2 \div 2 + 4 = 2892$	**2892**	✓

Hence, option (B) is correct.

38.

Series Pattern	Given Series	
14	14	
14 × 2 – 1 = 27	27	
27 × 2 – 1 = 53	53	
53 × 2 – 1 = 105	105	
105 × 2 – 1 = 209	209	
209 × 2 – 1 = 417	**417**	✓

Hence, option (A) is correct.

39.

Series Pattern	Given Series	
43	43	
43 + 11 = 54	54	
54 + 22 = 76	76	
76 + 33 = 109	109	
109 + 44 = 153	153	
153 + 55 = 208	**208**	✓

Hence, option (E) is correct.

40.

Series Pattern	Given Series	
2	2	
$2 \times 1 + 1^3 = 3$	3	
$3 \times 2 + 2^3 = 14$	14	
$14 \times 3 + 3^3 = 69$	69	
$69 \times 4 + 4^3 = 340$	340	
$340 \times 5 + 5^3 = 1825$	**1825**	✓

Hence, option (B) is correct.

41.

Series Pattern	Given Series	
9827	9827	
9827 – 121 = 9706	9706	
9706 – 100 = 9606	9606	
9606 – 81 = 9525	9525	
9525 – 64 = 9461	9461	
9461 – 49 = 9412	**9412**	✓

Hence, option (C) is correct.

42.

Series Pattern	Given Series	
1991	1991	
$1991 - 3^3 = 1964$	1964	
$1964 - 4^3 = 1900$	1900	
$1900 - 5^3 = 1775$	1775	
$1775 - 6^3 = 1559$	**1559**	✓

Hence, option (E) is correct.

43.

Series Pattern	Given Series	
7	7	
$7 + 7^2 = 56$	56	
$56 + 6^2 = 92$	92	
$92 + 5^2 = 117$	117	
$117 + 4^2 = 133$	133	
$133 + 3^2 = 142$	**142**	✓

Hence, option (E) is correct.

44.

Series Pattern	Given Series	
3	3	
$3 + 14 \times 1 = 17$	17	
$17 + 14 \times 2 = 45$	45	
$45 + 14 \times 3 = 87$	87	
$87 + 14 \times 4 = 143$	143	
$143 + 14 \times 5 = 1697$	**213**	✓

Hence, option (D) is correct.

45.

Series Pattern	Given Series	
4	4	
$4 \times 0.5 = 2$	2	
$2 \times 1 = 2$	2	
$2 \times 1.5 = 3$	3	
$3 \times 2 = 6$	6	
$6 \times 2.5 = 15$	**15**	✓

Hence, option (B) is correct.

46.

Series Pattern	Given Series	
729	729	
$729 + 1^1 = 730$	730	
$730 + 2^2 = 734$	734	
$734 + 3^3 = 761$	761	
$761 + 4^4 = 1017$	1017	
$1017 + 5^5 = 4142$	**4142**	✓

Hence, option (A) is correct.

47.

Series Pattern	Given Series	
512	512	
512 × (1/2) = 256	256	
256 × (2/2) = 256	256	
256 × (3/2) = 384	384	
384 × (4/2) = 768	768	
768 × (5/2) = 1920	**1920**	✓

Hence, option (B) is correct.

48.

Series Pattern	Given Series	
0	0	
$0 + (1^3 + 1) = 2$	2	
$2 + (3^3 - 1) = 28$	28	
$28 + (4^3 + 1) = 93$	93	
$93 + (5^3 - 1) = 217$	217	
$217 + (6^3 + 1) = 434$	**434**	✓

Hence, option (C) is correct.

49.

Series Pattern	Given Series	
125	125	
$125 + 1^2 = 126$	126	
$126 + 2^2 = 130$	130	
$130 + 3^2 = 139$	139	
$139 + 4^2 = 155$	155	
$155 + 5^2 = 180$	180	
$180 + 6^2 = 216$	**216**	✓

Hence, option (A) is correct.

50.

Series Pattern	Given Series	
1331	1331	
1331 + 100 = 1431	1431	
1431 + 200 = 1631	1631	
1631 + 300 = 1931	1931	
1931 + 400 = 2331	2331	
2331 + 500 = 2831	**2831**	✓

Hence, option (B) is correct.