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Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	A	E	C	E	A	C	A	D	B

Explanations:

1.

Series Pattern Given Series

$$11^2 + 0 = 121 \quad 121 \quad \checkmark$$

$$12^2 + 1 = 145 \quad 145 \quad \checkmark$$

$$13^2 + 2 = 171 \quad 171 \quad \checkmark$$

$$14^2 + 3 = 199 \quad 199 \quad \checkmark$$

$$15^2 + 4 = 229 \quad 229 \quad \checkmark$$

$$16^2 + 5 = 261 \quad \mathbf{264} \quad \times$$

Therefore, there must be 261 in place 264.

Hence, option (A) is correct.

2.

Series Pattern

Given Series

$$60 \quad 60 \quad \checkmark$$

$$60 + 60 \times 0.5 = 90 \quad 90 \quad \checkmark$$

$$90 + 90 \times 1 = 180 \quad 180 \quad \checkmark$$

$$180 + 180 \times 1.5 = 450 \quad 450 \quad \checkmark$$

$$450 + 450 \times 2 = 1350 \quad \mathbf{1360} \quad \times$$

$$1350 + 1350 \times 2.5 = 4725 \quad 4725 \quad \checkmark$$

Hence, option (A) is correct.

3.

Series Pattern Given Series

$$1 + 0^2 = 1 \quad 1 \quad \checkmark$$

$$2 + 2^2 = 6 \quad 6 \quad \checkmark$$

$$3 + 4^2 = 19 \quad 19 \quad \checkmark$$

$$4 + 6^2 = 40 \quad 40 \quad \checkmark$$

$$5 + 8^2 = 69 \quad 69 \quad \checkmark$$

$$6 + 10^2 = 106 \quad \mathbf{107} \quad \times$$

Hence, option (E) is correct.

4.

Series Pattern **Given Series**

$5 \times 1 = 5$	5	✓
$5 \times 2 = 10$	10	✓
$10 \times 3 = 30$	30	✓
$30 \times 4 = 120$	150	✗
$120 \times 5 = 600$	600	✓
$600 \times 6 = 3600$	3600	✓

Hence, option (C) is correct.

5.

Series Pattern **Given Series**

$10 + 15 = 25$	25	✓
$25 + 30 = 55$	55	✓
$55 + 60 = 115$	115	✓
$115 + 120 = 235$	235	✓
$235 + 240 = 475$	480	✗
$475 + 480 = 955$	955	✓

Hence, option (E) is correct.

6.

Series Pattern **Given Series**

1	1	✓
$1 + 11^2 = 122$	122	✓
$122 + 13^2 = 291$	291	✓
$291 + 15^2 = 516$	516	✓
$516 + 17^2 = 805$	806	✗
$805 + 19^2 = 1166$	1166	✓

Hence, option (A) is correct.

07.

Series Pattern

Given Series

225	225	✓
$225 + 11 = 236$	236	✓
$236 + 11 + 13 = 260$	260	✓
$260 + 11 + 13 + 15 = 299$	301	✗
$299 + 11 + 13 + 15 + 17 = 355$	355	✓
$355 + 11 + 13 + 15 + 17 + 19 = 430$	430	✓

Hence, option (C) is correct.

8.

Series Pattern	Given Series	
$1^3 + 25 = 26$	26	✓
$2^3 + 50 = 58$	58	✓
$3^3 + 100 = 127$	127	✓
$4^3 + 200 = 264$	264	✓
$5^3 + 400 = 525$	625	✗
$6^3 + 800 = 1016$	1016	✓

Hence, option (A) is correct.

9.

Series Pattern	Given Series	
$11^2 - 11 = 110$	110	✓
$12^2 + 22 = 166$	166	✓
$13^2 - 33 = 136$	136	✓
$14^2 + 44 = 240$	240	✓
$15^2 - 55 = 170$	170	✓
$16^2 + 66 = 322$	333	✗

Hence, option (D) is correct.

10.

Series Pattern	Given Series	
25	25	✓
$25 + 25 \times 0.5 = 37.5$	37.5	✓
$37.5 + 25 \times 1 = 62.5$	62.5	✓
$62.5 + 25 \times 1.5 = 100$	100	✓
$100 + 25 \times 2 = 150$	162.5	✗
$150 + 25 \times 2.5 = 212.5$	212.5	✓

Hence, option (B) is correct.

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