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Number Series Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, Canara Bank PO, RBI Grade B, Syndicate Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Number series Quiz 56

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

1. 80 144 225 306 387 ?

- A. 743 B. 711 C. 685 D. 779 E. 812

2. 2 3 14 125 ? 12337

- A. 245 B. 846 C. 1226 D. 1821 E. 948

3. 1 3 7 25 121 ?

- A. 730 B. 720 C. 725 D. 724 E. 721

4. 30 41 54 69 86 ?

- A. 102 B. 105 C. 97 D. 95 E. 99

5. 4 11 21 40 86 ?

- A. 187 B. 212 C. 227 D. 312 E. 213

6. 10 16 30 60 114 ?

- A. 216 B. 200 C. 204 D. 180 E. 220

7. 800 400 400 600 1200 ? 9000

- A. 3500 B. 4500 C. 3000 D. 5000 E. None of these

8. 445 221 109 53 25 ?

- A. 12 B. 13 C. 11 D. 10 E. None of these

9. 27 17 12 9.5 8.25 ?

- A. 7.775 B. 7.225 C. 7.5 D. 7.625 E. None of these

10. 20 50 100 170 260 ?

- A. 360 B. 370 C. 350 D. 380 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
80	80
$80 + (8 + 0)^2 = 144$	144
$144 + (1 + 4 + 4)^2 = 225$	225
$225 + (2 + 2 + 5)^2 = 306$	306
$306 + (3 + 0 + 6)^2 = 387$	387
$387 + (3 + 8 + 7)^2 = 711$	711 ✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series
2	2
$2 + 1 = 3$	3
$3 + 11 = 14$	14
$14 + 111 = 115$	115
$115 + 1111 = 1226$	1226 ✓
$1226 + 11111 = 12337$	12337

Hence, option (C) is correct.

3.

Series Pattern	Given Series
1	1
$2! + 1 = 3$	3
$3! + 1 = 7$	7
$4! + 1 = 25$	25
$5! + 1 = 121$	121
$6! + 1 = 721$	721 ✓

Hence, option (E) is correct.

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4.

Series Pattern	Given Series
----------------	--------------

$5^2 + 5 = 30$	30
----------------	----

$6^2 + 5 = 41$	41
----------------	----

$7^2 + 5 = 54$	54
----------------	----

$8^2 + 5 = 69$	69
----------------	----

$9^2 + 5 = 86$	86
----------------	----

$10^2 + 5 = 105$	105 ✓
------------------	--------------

Hence, option (B) is correct.

5.

Series Pattern	Given Series
----------------	--------------

4	4
---	---

$4 + 7$	11
---------	----

$11 + (7 + 3)$	21
----------------	----

$21 + (10 + 9)$	40
-----------------	----

$40 + (19 + 27)$	86
------------------	----

$86 + (46 + 81)$	213 ✓
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Hence, option (E) is correct.

6.

Series Pattern	Given Series
----------------	--------------

10	10
----	----

$10 + (1^2 + 5) = 16$	16
-----------------------	----

$16 + (3^2 + 5) = 30$	30
-----------------------	----

$30 + (5^2 + 5) = 60$	60
-----------------------	----

$60 + (7^2 + 5) = 114$	114
------------------------	-----

$114 + (9^2 + 5) = 200$	200 ✓
-------------------------	--------------

Hence, option (B) is correct.

07.

Series Pattern	Given Series
----------------	--------------

800	800
-----	-----

$800 \times 0.5 = 400$	400
------------------------	-----

$400 \times 1 = 400$	400
----------------------	-----

$400 \times 1.5 = 600$	6000
------------------------	------

$600 \times 2 = 1200$	1200
-----------------------	------

$1200 \times 2.5 = 3000$	3000 ✓
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$3000 \times 3 = 9000$	9000
------------------------	------

Hence, option (C) is correct.

8.

Series Pattern	Given Series
445	445
$(445 - 3) \div 2 = 221$	221
$(221 - 3) \div 2 = 109$	109
$(109 - 3) \div 2 = 53$	53
$(53 - 3) \div 2 = 25$	25
$(25 - 3) \div 2 = 11$	11 ✓

Hence, option (C) is correct.

9.

Series Pattern	Given Series
27	27
$(27 + 7) \div 2 = 17$	17
$(17 + 7) \div 2 = 12$	12
$(12 + 7) \div 2 = 9.5$	9.5
$(9.5 + 7) \div 2 = 8.25$	8.25
$(8.25 + 7) \div 2 = 7.625$	7.625 ✓

Hence, option (D) is correct.

10.

Series Pattern	Given Series
20	20
$20 + 10 \times 3 = 50$	50
$50 + 10 \times 5 = 100$	100
$100 + 10 \times 7 = 170$	170
$170 + 10 \times 9 = 260$	260
$260 + 10 \times 11 = 370$	370 ✓

Hence, option (B) is correct.

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