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FOR-PATWARI AND PPSC
PRINCIPAL AND HM+BPO

REASONING

SERIES

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IN PSPCL

1.170, 149, 130, 113, ?

(a) 97
(b) 98
(c) 105
(d) 115

2. 96782345, 6782345, 678234, 78234, ?
(a) 67814
(b) 7825
(c) 7823
(d) 7884

3. P N P P O N P P P N N P P N O O P N
How many times letter 'P' is persent in given responses which preceding by a consonant and follow by a vowel.
(a) 5 (b) 2 (c) 1 (d) none

4. 2 1 9 5 4 6 8 4 1 6 9 8 4 1 3
How many odd number are present in the given series which is preceded by a perfect square and having followed by a odd number.
(a) 2 (b) 3 (c) 4 (d) 1

5. 158, 113, 78, 53, 28, ?
(a) 13 (b) 12 (c) 11 (d) 14

6. (Y,V, S, P, M, ?)
(a) J (b) L (c) K (d) R

7. 25, 216, 49, ?, 81, 1000
(a) 625 (b) 512 (c) 36 (d) 48

8. NOM, OPN, PQO, ?
(a) RQP (b) OQP (c) QRP (d) RPO

9. M5D, O7G, Q10J, ?, U19P
(a) S14M (b) S15N (c) N15S (d) N16S

10. 8, 17, 33, 67, ?

(a) 131 (b) 132 (c) 133 (d) 135

11. 100, 50, 52, 26, 28, ? 16, 8
(a) 30 (b) 36 (c) 14 (d) 32

12. Find the wrong term in the following series.
60, 60, 61, 65, 74, ?
(a) 74 (b) 90 (c) 65 (d) 61

13. TOY, QPA, NQD, ?

(a) RKH (b) HKM (c) KRH (d) KQN

14. BY, HS, NM, TG, ?
(a) AZ (b) ZA (c) CX (d) WD

15. J, K, ?, P, T
(a) N (b) M (c) O (d) P

16. Z, S, W, O, T, K, Q, G, ?, ?
(a) N, C (b) N, D (c) O, C (d) O, D

17. 6, 11, 11, 20, 18, 31, 27, ?
(a) 41 (b) 42 (c) 43 (d) 44

18. b_abc_bca_c_bc in missing place term will be
(a) caba (b) cabb (c) caaa (d) acad

19. 363, 297, ?, 198, 165, 143
(a) 241 (b) 242 (c) 243 (d) 96

20. l_n_mn_lm_n_lm
(a) mlmlm (b) mlnml (c) mmlnl (d) lmlnl

21. 3, 15, 35, 63, 99, ?
(a) 141 (b) 143 (c) 151 (d) 169

22. 100, 80, 55, 25, –10, ?
(a) –5 (b) –10 (c) –15 (d) –50

23. GH, JKL, NOPQ, ?
(a) STUVX (b) STUVW (c) STVUX (d) SUVTX

24. 62, 57, 68, 52, 74, 47, 80, ?, ?
(a) 41, 83 (b) 42, 86 (c) 43, 85 (d) 46, 88

25. ACE, BDF, GIK, –

(a) HJL (b) MJH (c) JHM (d) HJI

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1. (b); Explanation :
The pattern is –21, –19, –17, –15.....
So, missing term = 113 – 15 = 98.
2. (c); Explanation :
The digits are removed one by one from the beginning and
the end in alternate order so as to obtain the subsequent terms
of the series.
3. (c); Ans. (c) Only one P follows that condition.
4. (a); There are two combinations present are 195, 413. So answer is
2.
5. (a); the pattern is –45, –35, –25, ...
So, missing term = 28 – 15 = 13.
6. (a); The series consist of alternate letters in reverse order with three
place value difference. Hence, next missing term is J.

7. (b); Explanation : The seris consists of squares and cubes of
consecutive natural number i.e., 5^2, 6^3, 7^2, 8^3, 9^2, 10^3, 11^2,...
So,
missing term = 8^3 = 512.
8. (c); In every term, every letter (first, middle, last) increases with
next letters. So missing term is QRP.
9. (a); S 14 M ,Clearly, the first letters of the terms ae alternate.
The last letter of each term is three steps ahead of the last letter of the preceding term.
Thus, the next term would be S 14 M. Hence, the answer is (a).
10. (c); Explanation : The pattern is×2 + 1, × 2 – 1, × 2 + 1, × 2 – 1, ...
so, missing term = 67 × 2 – 1 = 133
11. (c); The pattern is ÷2, +2, ÷2, +2, so next term is 28/2=14.
12. (b); The pattern is 0, $+(1)^2$, $+(2)^2$, $+(3)^2$, $+(4)^2$, so next term is 90.
13. (c); Explanation : In first letter decrement of three place values,
increment of one place value in second letter and in third letters
+ 2, + 3, +4.
14. (b); Explanation : First letter increment with six place value and

second letter decrease with six values.

15. (b); Explanation : Continuously incerement of natural numbers in
place value ...1, 2, 3, 4, ...

16. (a); Explanation : The given sequence is a combination of two
series : I, Z, W, T, Q, ? And II. S, O, K, G, ? In first series, letters
are continuously decreasing by 3 and in second one there is
decrement of 4.

17. (d); It is a combination of 2 series, first series 6, 11, 18, 27, ...Which
follow sequence as +5, +7 +9 +11, ...and second series is 11, 20,
31, ..., which follows sequence as +9, + 11, + 13 ...So next, missing term is 13 + 31 = 44.

18. (a); The sequence is bcabca/bcabca/bcabca so missing term is caba.

19. (b); The pattern is –66, –55, –44, –33, –22. So missing term is 297 – 55
= 242.

20. (b); The main sequence is lmn, increment of letter is reverse order.
The sequence is lmn lmnn lmmn llmn So missing term is mlnml.

21. (b); The difference between dgits are + 12, + 20, + 28, + 36, + 44, so

missing term is 99 + 44 = 143.

22. (d); The pattern is – 20, – 25, – 30, ..., So its missing term will be – 10

– 40 = – 50.

23. (b); Consecutive letter no. as +2, +3, +4, +5,..., (no of letter) and

upcoming term is increase by place value of +2. So missing

term is STUVW.

24. (b); Combination of 2 series and then 1st series is 62, 68, 74, 80,

...,having –6 difference and 2nd series is 57, 52, 47, ..., having –

5 so missing term will be 42 and 86.

25. (a); There is oneplace value increment , in first option it follows.

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Directions : In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

1. ABC FGH LMN - - -

(1) IJK (2) OPQ

(3) STU (4) RST

2. DHL, PTX, BFJ, ?
(1) NRV (2) RVZ
(3) CGK (4) KOS

3. CAT, FDW, IGZ, ?
(1) KTC (2) KJA
(3) LHD (4) LJC

4. WYV, ?, IKH, BDA
(1) OPR (2) ROP
(3) PRO (4) OQN

5. a, c, f, j, ?, ?
(1) ou (2) mo
(3) lp (4) rv

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6. QYK, ?, ISG, EPE
(1) NWJ (2) MVI
(3) NVI (4) MVJ

7. DIB, HMF, LQJ, ?
(1) OTM (2) QVO
(3) PVO (4) PUN

8. NOA, PQB, RSC, ?
(1) TUD (2) DTU
(3) ENO (4) FNQ

9. T, R, P, N, L, ?, ?
(1) J, G (2) K, I
(3) J, H (d) K, H

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10. ADG, GJM, MPS, ?
(1) SVW (2) SVY
(3) SUW (4) SWY

11. A, D, H, M, ?, Z
(1) B (2) G
(3) S (4) N

12. BMO, EOQ, HQS, __ ? __
(1) SOW (2) LMN
(3) KSU (4) SOV

13. CGK, EJP, GMU, ?
(1) IRT (2) IPZ
(3) FNV (4) JLN

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14. NOABOPBCPQCD ? ? ? ?
(1) QRDE (2) RTEF
(3) QSDE (4) QRGI

Exam. 03.09.2006)
15. KDW, MGT, OJQ, ?
(1) MNQ (2) QNM
(3) NMQ (4) QMN

16. ADH, DGK, GJN, ?
(1) ORV (2) JMP
(3) JLM (4) JMQ

17. AGM, BHN, CIO, ?
(1) COU (2) FQK
(3) DJP (4) QXD

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18. DFI, KMP, ? , YAD
(1) QSV (2) RTW
(3) SUX (4) RTV

19. WVTSQPNMKJ ? ?
(1) HG (2) IL
(3) GH (4) GF

20. ZCBA, YFED, XIHG, ?
(1) WLKM (2) WJKL
(3) WKLJ (4) WLKJ

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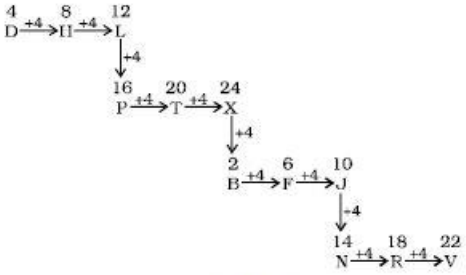
1. (3) A B C
+3
F G H
+4
L M N
+5
S T U

2. (1)



Therefore, ? = NRV

3. (4)

3 C	+3 →	6 F	+3 →	9 I	+3 →	12	L
1 A	+3 →	4 D	+3 →	7 G	+3 →	10	J
20 T	+3 →	23 W	+3 →	26 Z	+3 →	3	C

4. (3)

23 W	−7 →	16 P	−7 →	9 I	−7 →	2	B
25 Y	−7 →	18 R	−7 →	11 K	−7 →	4	D
22 V	−7 →	15 O	−7 →	8 H	−7 →	1	A

5. (1)

1 a +2→ 3 c +3→ 6 f +4→ 10 j +5→ 15 o +6→ 21 u

6. (2)

17 Q	−4 →	13 M	−4 →	9 I	−4 →	5	E
25 Y	−3 →	22 V	−3 →	19 S	−3 →	16	P
11 K	−2 →	9 I	−2 →	7 G	−2 →	5	E

7. (4)

4 D	+4 →	8 H	+4 →	12 L	+4 →	16	P
9 I	+4 →	13 M	+4 →	17 Q	+4 →	21	U
2 B	+4 →	6 F	+4 →	10 J	+4 →	14	N

8. (1)

14 N	+2 →	16 P	+2 →	18 R	+2 →	20	T
15 O	+2 →	17 Q	+2 →	19 S	+2 →	21	U
1 A	+1 →	2 B	+1 →	3 C	+1 →	4	D

9. (3)

20 T −2→ 18 R −2→ 16 P −2→

14 N −2→ 12 L −2→ 10 J −2→ 8 H

10. (2)

1 A	+6 →	7 G	+6 →	13 M	+6 →	19	S
4 D	+6 →	10 J	+6 →	16 P	+6 →	22	V
7 G	+6 →	13 M	+6 →	19 S	+6 →	25	Y

11. (3) A +3→ D +4→ H +5→ M

6+→ S +7→ Z

12. (3)

B $\xrightarrow{+3}$ E $\xrightarrow{+3}$ H $\xrightarrow{+3}$ K
M $\xrightarrow{+2}$ O $\xrightarrow{+2}$ Q $\xrightarrow{+2}$ S
O $\xrightarrow{+2}$ Q $\xrightarrow{+2}$ S $\xrightarrow{+2}$ U

13. (2)

C $\xrightarrow{+2}$ E $\xrightarrow{+2}$ G $\xrightarrow{+2}$ I

G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ M $\xrightarrow{+3}$ P

K $\xrightarrow{+5}$ P $\xrightarrow{+5}$ U $\xrightarrow{+5}$ Z

14. (1)

N $\xrightarrow{+1}$ O $\xrightarrow{+1}$ P $\xrightarrow{+1}$ Q

O $\xrightarrow{+1}$ P $\xrightarrow{+1}$ Q $\xrightarrow{+1}$ R

A $\xrightarrow{+1}$ B $\xrightarrow{+1}$ C $\xrightarrow{+1}$ D

B $\xrightarrow{+1}$ C $\xrightarrow{+1}$ D $\xrightarrow{+1}$ E

15. (4)

K $\xrightarrow{+2}$ M $\xrightarrow{+2}$ O $\xrightarrow{+2}$ **Q**

D $\xrightarrow{+3}$ G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ **M**

W $\xrightarrow{-3}$ T $\xrightarrow{-3}$ Q $\xrightarrow{-3}$ **N**

16. (4)

$\overset{1}{A} \xrightarrow{+3} \overset{4}{D} \xrightarrow{+3} \overset{7}{G} \xrightarrow{+3} \overset{10}{J}$

$\overset{4}{D} \xrightarrow{+3} \overset{7}{G} \xrightarrow{+3} \overset{10}{J} \xrightarrow{+3} \overset{13}{M}$

$\overset{8}{H} \xrightarrow{+3} \overset{11}{K} \xrightarrow{+3} \overset{14}{N} \xrightarrow{+3} \overset{17}{Q}$

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14. (1)

N $\xrightarrow{+1}$ O $\xrightarrow{+1}$ P $\xrightarrow{+1}$ Q

O $\xrightarrow{+1}$ P $\xrightarrow{+1}$ Q $\xrightarrow{+1}$ R

A $\xrightarrow{+1}$ B $\xrightarrow{+1}$ C $\xrightarrow{+1}$ D

B $\xrightarrow{+1}$ C $\xrightarrow{+1}$ D $\xrightarrow{+1}$ E

15. (4)

K $\xrightarrow{+2}$ M $\xrightarrow{+2}$ O $\xrightarrow{+2}$ **Q**

D $\xrightarrow{+3}$ G $\xrightarrow{+3}$ J $\xrightarrow{+3}$ **M**

W $\xrightarrow{-3}$ T $\xrightarrow{-3}$ Q $\xrightarrow{-3}$ **N**

16. (4)

$\overset{1}{A} \xrightarrow{+3} \overset{4}{D} \xrightarrow{+3} \overset{7}{G} \xrightarrow{+3} \boxed{\overset{10}{J}}$

$\overset{4}{D} \xrightarrow{+3} \overset{7}{G} \xrightarrow{+3} \overset{10}{J} \xrightarrow{+3} \overset{13}{M}$

$\overset{8}{H} \xrightarrow{+3} \overset{11}{K} \xrightarrow{+3} \overset{14}{N} \xrightarrow{+3} \overset{17}{Q}$

17. (3) A $\xrightarrow{+1}$ B $\xrightarrow{+1}$ C $\xrightarrow{+1}$ D

G $\xrightarrow{+1}$ H $\xrightarrow{+1}$ I $\xrightarrow{+1}$ J

M $\xrightarrow{+1}$ N $\xrightarrow{+1}$ O $\xrightarrow{+1}$ P

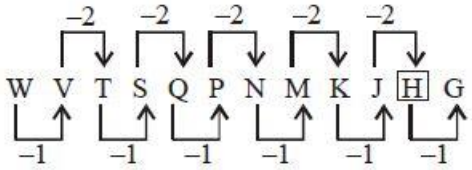
18. (2)

D $\xrightarrow{+7}$ K $\xrightarrow{+7}$ R $\xrightarrow{+7}$ Y

F $\xrightarrow{+7}$ M $\xrightarrow{+7}$ T $\xrightarrow{+7}$ A

I $\xrightarrow{+7}$ P $\xrightarrow{+7}$ W $\xrightarrow{+7}$ D

19. (1)



20. (4) Z $\xrightarrow{-1}$ Y $\xrightarrow{-1}$ X $\xrightarrow{-1}$ W

C $\xrightarrow{+3}$ F $\xrightarrow{+3}$ I $\xrightarrow{+3}$ L

B $\xrightarrow{+3}$ E $\xrightarrow{+3}$ H $\xrightarrow{+3}$ K

A $\xrightarrow{+3}$ D $\xrightarrow{+3}$ G $\xrightarrow{+3}$ J

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