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CHAPTER

Series

- What should come next in the following letter series based on English alphabet ? **(SBI PO 2010)**
CEA IKG OQM ?
(a) STW (b) WUS
(c) SWU (d) UWS
(e) None of these
- What should come next in the following letter series ?
PQRST ABCDE P QRS
ABCDEF PQRS ABCD PQ **(SBI PO 2010)**
(a) R (b) T
(c) A (d) B
(e) None of these

DIRECTIONS (Qs. 3-5) : The following questions are based upon the alphabetical series given below :

TJENUQAKIOGRMSPBHFDLVC

(SBI PO 2011)

- If 'OD' is related to 'GF' and 'EB' is related to 'NP' in a certain way, to which of the following is 'AL' related to, following the same pattern ?
(a) KD (b) QV
(c) KL (d) KV
(e) DQ
- What will come in place of question mark (?) in the following series based on the above alphabetical series?
TE JU NK ? GH
(a) IS (b) IR
(c) AG (d) AR
(e) AM
- If in a certain code 'GRIM' is coded as 'RMOS' and 'DUSK' is coded as 'LQPI' how will 'STOP' be coded in the same code language?
(a) MJIS (b) PJGB
(c) JPJIS (d) MJGB
(e) PGJB
- What should come in place of question mark (?) in the following series? **(IBPS Clerk 2011)**
AC EG IK MO ?
(a) PR (b) QS
(c) OR (d) PS
(e) None of these
- What should come in place of the question mark (?) in the following letter series based on the English alphabetical order? **(IBPS Clerk 2011)**
BE GJ LO QT ?
(a) UX (b) VY
(c) SV (d) RU
(e) WZ
- What should come next in the number series given below ?
1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 1 2 3 4 5 6 1 2 3 4 5 6
(IBPS Clerk 2012)
(a) 5 (b) 2
(c) 8 (d) 1
(e) None of these

DIRECTIONS (Qs. 9-11) : The following questions are based upon the alphabetical series given below:

M J L I T Q S R K U F H C B D E A V P O G N
(RBI 2012)

- What will come in place of question (?) mark in the following series based on the above alphabetical series?
N PO BDE ?
(a) UKR (b) SRKU
(c) RKUF (d) QSRK
(e) FUK
- If in a certain code 'BIND' is coded as 'CLGB' and 'HELD' is coded as 'FDJB' based on the series given above, how will 'FORK' be coded in the same code language?
(a) HGKU (b) UPKR
(c) KPSR (d) UPSR
(e) UGSR
- 'HC' is related to 'KQ' in a certain way. Similarly 'OG' is related to 'AB' in the same way. To which of the following is 'RK' related to following the same pattern?
(a) TJ (b) SI
(c) TI (d) HD
(e) IM
- Which of the following will come next in the following series?
0 9 0 1 9 0 1 2 9 0 1 2 3 9 0 1 2 3 4 9 0 1 2 3 4 5 9 0 1 2 3 4 5
(SBI Clerk 2012)
(a) 0 (b) 6 (c) 9 (d) 7
(e) 4
- In the following sequence or instructions, 1 stands for Run, 2 stands for Stop, 3 stands for Go, 4 stands for Sit and 5 stands for Wait. If the sequence is continued, which instruction will come next ? **(SBI Clerk 2014)**
4 4 5 4 5 3 4 5 3 1 4 5 3 1 2 4 5 4 5 3 4 5 3
(a) Wait (b) Sit
(c) Stop (d) Run
(e) None of these

DIRECTIONS (Qs. 14-16) : The following questions are based upon the alphabetical series given below :

CLRTBQSMAPDINFJKGYX

(IBPS RRB 2015)

14. Four of the following five are alike in a certain way and so form a group. Which is the one that **does not** belong to the group ?
 (a) LBT (b) SPA
 (c) IJF (d) PID
 (e) BMS
15. If 'CT' is related to 'RQ' and 'AI' is related to 'DF' in a certain way, to which of the following is 'SP' related to, following the same pattern ?
 (a) MD (b) DN
 (c) AD (d) AI
 (e) DF
16. What will come in place of the question mark in the following series?
 CR LB TM SI ?
 (a) PK (b) DK
 (c) DG (d) NX
 (e) PG

DIRECTIONS (Qs. 17-21) : The following questions are based on series given below:

Series I : HT @ 7 V \Leftrightarrow 2 R α L 6 A \odot E W \uparrow 4 β X + 1

Series II : δ £ 5 C Z \uparrow K S 8 γ G U * 3 J F • 1 N B ■

(IBPS Clerk Prelim 2016)

17. If the letters, the digits and the symbols from each series are counted separately, which of the following is the lowest in count?
 (a) Symbols in Series I
 (b) Digits in Series I
 (c) Symbols in Series II
 (d) Symbols in Series I and II both
 (e) None of these
18. Four of the following five are similar in some respects. Find the odd one.
 (a) C4 (b) *V
 (c) ·1 (d) ·L
 (e) K δ
19. If a new series is formed with the first half of series I and second half of series II, which element will be fifth to the right of eighteenth element from the right in the new series?
 (a) ? (b) R
 (c) L (d) N
 (e) None of these
20. What is the total no. of symbols in Series I each of which is immediately followed by a number and immediately preceded by a letter together with the number of letters in series II which are immediately preceded by a number and followed by a symbol?
 (a) Five (b) Two
 (c) Four (d) Three
 (e) None of these

21. If all the symbols from series I are taken, followed by all letters from series II, followed by all the numbers from series I and followed by all symbols from series II, then what is the total number of numbers which are preceded by letters and followed by symbols together with total number of letters followed by numbers and preceded by symbols in the new series?
 (a) Nil (b) One
 (c) Two (d) Three
 (e) None of These
22. What should come in place of question mark (?) in the following series based on the above arrangement?
 ZB XD UG QK? (SBI PO Prelim 2017)
 (a) LK (b) LO
 (c) LP (d) KP
 (e) Other than the given options
23. What should come in place of question mark (?) in the following series based on the above arrangement?
 BED EIG HMJ KQM ? (SBI PO Prelim 2017)
 (a) PUN (b) OUQ (c) NUQ
 (d) NUP (e) NUR

DIRECTIONS (Qs. 24-27): Study the following sequence and answer the given questions.

A © 3 4 Ø E N M ¥ 8 6 € L D S # 9 8 6 Q Y Z 1 7 Ø R O G © 2 I B 2 U €
 (SBI Clerk Prelim-2019)

24. Which of the following element is sixth to the left of the fourteenth from the left end of the given arrangement?
 (a) 6 (b) Ø
 (c) ¥ (d) M
 (e) None of these
25. If all the symbols are dropped from the series, which element will be twelfth from the right end?
 (a) 9 (b) Q
 (c) R (d) Y
 (e) None of these
26. How many such numbers are there in the given series which are immediately preceded by a symbol and followed by a letter?
 (a) None (b) One
 (c) Two (d) Three
 (e) Four
27. How many such letters are there in the given series which are immediately preceded by number and immediately followed by a symbol?
 (a) One (b) Two
 (c) Three (d) More than three
 (e) None of these

Answers & Explanations

1. (d) $C \xrightarrow{+6} I \xrightarrow{+6} O \xrightarrow{+6} U$
 $E \xrightarrow{+6} K \xrightarrow{+6} Q \xrightarrow{+6} W$
 $A \xrightarrow{+6} G \xrightarrow{+6} M \xrightarrow{+6} S$

2. (a) Here 2 different series of alphabets are there.
 PQRST ABCDE
 PQRS ABCDE
 PQRS ABCD
 PQ R ABCD

3. (a) $O \xrightarrow{+1} G$ $E \xrightarrow{+1} N$
 $D \xrightarrow{-1} F$ $B \xrightarrow{-1} P$
 Similarly,
 $A \xrightarrow{+1} K$ $L \xrightarrow{-1} D$

4. (d) $T \xrightarrow{+1} J \xrightarrow{+2} N \xrightarrow{+3} A \xrightarrow{+4} G$
 $E \xrightarrow{+2} U \xrightarrow{+3} K \xrightarrow{+4} R \xrightarrow{+5} H$

5. (b) $G \ R \ I \ M \xrightarrow{+1} R \ M \ O \ S$
 $D \ U \ S \ K \xrightarrow{+1} L \ Q \ P \ I$
 Similarly,
 $S \ T \ O \ P \xrightarrow{+1} P \ J \ G \ B$

6. (b) $A \ C \ E \ G \ I \ K \ M \ O \ Q \ S$
 $\xrightarrow{+2} \xrightarrow{+2} \xrightarrow{+2} \xrightarrow{+2} \xrightarrow{+2} \xrightarrow{+2} \xrightarrow{+2}$
 So, Q S should come in the place of question mark.

7. (b) Given letter series:-
 2 5 7 10 12 15 17 20 22 25
 B E G J L O Q T V Y
 $\xrightarrow{+3} \xrightarrow{+2} \xrightarrow{+3} \xrightarrow{+2} \xrightarrow{+3} \xrightarrow{+2} \xrightarrow{+3} \xrightarrow{+2} \xrightarrow{+3}$
 $\Rightarrow : ? = VY$

8. (e) 1, 12, 123, 1234, 12345, 123456, 1234567

9. (b) $N \xrightarrow{-3} P \xrightarrow{-5} B \xrightarrow{-7} S$
 $\downarrow +1 \quad \downarrow +1 \quad \downarrow +1$
 O D R
 $\downarrow +1 \quad \downarrow +1$
 E K
 $\downarrow +1$
 U

10. (d) $B \ I \ N \ D \xrightarrow{-1} C \ L \ G \ B$
 $H \ E \ L \ D \xrightarrow{-1} F \ D \ J \ B$

Similarly,

- $F \ O \ R \ K \xrightarrow{-1} U \ P \ S \ R$

11. (a) $H \xrightarrow{-3} K$
 $C \xrightarrow{-7} Q$,
 $O \xrightarrow{-3} A$
 $G \xrightarrow{-7} B$
 Similarly,
 $R \xrightarrow{-3} T$
 $K \xrightarrow{-7} J$

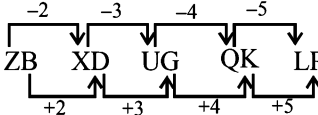
12. (b) Series is :
 09 / 019 / 0129 / 01239 / 012349 / 0123459 / 01234569

13. (d) 4, 45, 453, 4531, 45312, 45, 453, 4531
 The next coded digit will be 1. Hence, the instruction Run will come next.

14. (d) $L \xrightarrow{+3} B \xrightarrow{-1} T$
 $S \xrightarrow{+3} P \xrightarrow{-1} A$
 $I \xrightarrow{+3} J \xrightarrow{-1} F$

- $P \xrightarrow{+2} I \xrightarrow{-1} D$
 $B \xrightarrow{+3} M \xrightarrow{-1} S$
 So, the term PID does not follow the pattern.
15. (d) $C \xrightarrow{+2} R \quad A \xrightarrow{+2} D$
 $T \xrightarrow{+2} Q \quad I \xrightarrow{+2} F$
 Similarly,
 $S \xrightarrow{+2} A$
 $P \xrightarrow{+2} I$
16. (c) So, AI follows same pattern.
 $C \xrightarrow{+1} L \xrightarrow{+2} T \xrightarrow{+3} S \xrightarrow{+4} D$
 $R \xrightarrow{+2} B \xrightarrow{+3} M \xrightarrow{+4} I \xrightarrow{+5} G$
17. (e) Symbols in series I = 7
 Symbols in series II = 7
 Letters in series I = 9
 Letters in series II = 10
 Digits in series I = 5
 Digits in series II = 4
18. (e) Except (e): The first element of each group is taken from series II and second element from series I.
19. (b) Fifth to the right of eighteenth element from the right means $(18 - 5) = 13$ th element from the right in the new series. Now, as both the series consists of 21 elements

the new series formed will have 20 elements, 10 from each series. 13th from the right means $(20 - 13 + 1) = 8$ th from the left in the new series. It also means that 8th from the left in series 1, i.e. R.

20. (c) **Series I:**
 $HT @ 7V \Leftrightarrow 2R \alpha L 6A \odot EW \downarrow 4 \beta X \pm 1$
 We have to find letter-symbol number combination in series I. @, \Leftrightarrow , \downarrow and + are such symbols, i.e. these are 4 in numbers.
Series II:
 $\delta \text{ £ } 5CZ \uparrow KS 8 \gamma GU * 3 JF \bullet 1NB \blacksquare$
 In this series we have to find number-letter-symbol combination. There is no such letter.
21. (a) The setting of the new series will be as:
 Symbol (I) letters (II) numbers (I) symbols (II)
 In the above arrangement no letter and no number will fulfill the given condition.
22. (c) 
23. (d) 'NUP'
- Sol. (24-27):**
24. (d) M
 25. (d) Y
 26. (b) One-©2I
 27. (a) One-2U€