

## EXERCISE 3B

## For SSC CHSL Exams

**Instruction:-** The second number in the given number pair is obtained by performing certain mathematical operations(s) on the first number. The same operations(s) are followed in all the number pairs, EXCEPT one. Find that odd number pair.

- Find that odd number-pair.  
 (a) 100 : 81 (b) 36 : 16 (c) 49 : 25 (d) 81 : 49  
**SSC CHSL 31/05/2022 (Shift-2)**
- Find that odd number-pair.  
 (a) 7 : 392 (b) 9 : 810 (c) 15 : 3150 (d) 12 : 1872  
**SSC CHSL 31/05/2022 (Shift-2)**
- Find that odd number-pair.  
 (a) 48 : 7 (b) 25 : 8 (c) 15 : 4 (d) 8 : 3  
**SSC CHSL 31/05/2022 (Shift-1)**
- Find that odd number-pair.  
 (a) 53 : 2916 (b) 41 : 1765 (c) 23 : 576 (d) 19 : 400  
**SSC CHSL 30/05/2022 (Shift-3)**
- Find that odd number-pair.  
 (a) 16 : 8 (b) 4 : 5 (c) 9 : 6 (d) 36 : 9  
**SSC CHSL 30/05/2022 (Shift-3)**
- Find that odd number-pair.  
 (a) 441 : 49 (b) 729 : 81 (c) 369 : 41 (d) 343 : 47  
**SSC CHSL 30/05/2022 (Shift-1)**
- Find that odd number pair.  
 (a) 678 : 7 (b) 282 : 6 (c) 366 : 5 (d) 546 : 5  
**SSC CHSL 10/06/2022 (Shift-1)**
- Find that odd number pair.  
 (a) 2834 : 18 (b) 8671 : 22 (c) 9876 : 30 (d) 3427 : 16  
**SSC CHSL 09/06/2022 (Shift-2)**
- Find that odd number pair.  
 (a) 4328 : 8324 (b) 2437 : 7342 (c) 3569 : 9653 (d) 1786 : 6871  
**SSC CHSL 09/06/2022 (Shift-2)**
- Find that odd number pair.  
 (a) 6 : 41 (b) 4 : 21 (c) 8 : 70 (d) 7 : 54  
**SSC CHSL 09/06/2022 (Shift-1)**
- Find that odd number pair.  
 (a) 48 - 62 (b) 32 - 40 (c) 64 - 80 (d) 56 - 70  
**SSC CHSL 08/06/2022 (Shift-3)**
- Select the number that is different from the rest.  
 (a) 2105 (b) 6457 (c) 4328 (d) 3124  
**SSC CHSL 19/04/2021 (Shift-3)**
- Select the option that is different.  
 (a) Eczema (b) Psoriasis (c) Scurvy (d) Vitiligo  
**SSC CHSL 19/04/2021 (Shift-3)**
- Select the number that is different.  
 (a) 3437 (b) 7437 (c) 7415 (d) 5453  
**SSC CHSL 19/04/2021 (Shift-2)**
- Select the letter-cluster that is different.  
 (a) SWDZ (b) RVGC (c) FJQM (d) GKPL  
**SSC CHSL 19/04/2021 (Shift-2)**
- Select the odd one.  
 (a) PORT : TROP (b) MODE : EDOM (c) LIMB : BMIL (d) FIST : IFTS  
**SSC CHSL 19/04/2021 (Shift-1)**
- Select the one that is different.  
 (a) 11 : 122 (b) 14 : 112 (c) 21 : 168 (d) 18 : 144  
**SSC CHSL 19/04/2021 (Shift-1)**
- Select the number that is different.  
 (a) 198 (b) 165 (c) 177 (d) 132  
**SSC CHSL 16/04/2021 (Shift-3)**
- Select the odd one.  
 (a) Applaud (b) Criticise (c) Honour (d) Admire  
**SSC CHSL 16/04/2021 (Shift-3)**
- Select the letter-cluster that is different.  
 (a) YWTP (b) PMJG (c) MKHD (d) USPL  
**SSC CHSL 16/04/2021 (Shift-3)**
- Select the odd one.  
 (a) Carpenter (b) Journalist (c) Architect (d) Job  
**SSC CHSL 16/04/2021 (Shift-2)**
- Select the letter-cluster that is different.  
 (a) MQTXA (b) SWZDG (c) JNQUX (d) PTXBF  
**SSC CHSL 16/04/2021 (Shift-2)**
- Select the odd one.  
 (a) Oyster (b) Shark (c) Cod (d) Salmon  
**SSC CHSL 14/10/2020 (Shift-2)**
- Select the odd one.  
 (a) CGF (b) MPL (c) DGC (d) QTP  
**SSC CHSL 14/10/2020 (Shift-1)**
- Select the odd one.  
 (a) Axe (b) Microscope (c) Gun (d) Amplify  
**SSC CHSL 14/10/2020 (Shift-1)**
- Select the one that is different.  
 (a) 32 - 45 (b) 13 - 16 (c) 16 - 30 (d) 12 - 15  
**SSC CHSL 14/10/2020 (Shift-1)**
- Select the one that is different.  
 (a) ADGPI (b) OMKLU (c) VDCKA (d) ECVMU  
**SSC CHSL 13/10/2020 (Shift-3)**
- Select the odd one.  
 (a) Fork (b) Knife (c) Spoon (d) Spade  
**SSC CHSL 13/10/2020 (Shift-2)**

29. Select the number-pair that is different from the rest.

- (a) 22 : 506 (b) 14 : 210 (c) 17 : 306 (d) 11 : 142  
**SSC CHSL 13/10/2020 (Shift-2)**

30. Select the odd letter-cluster.

- (a) NTX (b) BGQ (c) LRX (d) FLR  
**SSC CHSL 13/10/2020 (Shift-2)**

31. CHSL 3-7-2019 **CHSL 3-7-2019 (Shift-2)**

- (a) Cells (b) Atoms (c) Tissues (d) Organs

32. CHSL 3-7-2019 **CHSL 3-7-2019 (Shift-1)**

(a) Parasailing

(c) Swimming

33. CHSL 3-7-2019

(a) AVZ (b) UPF

34. CHSL 3-7-2019

(a) 2421 (b) 7261

35. CHSL 2/7/2019

(a) Germany

(c) Austria

(b) Surfing

(d) Driving

**CHSL 3-7-2019 (Shift-1)**

(c) OKL (d) EZV

**CHSL 3-7-2019 (Shift-1)**

(c) 5472 (d) 4842

**CHSL 2/07/2019 (Shift-3)**

(b) Singapore

(d) Italy

## SOLUTIONS

1. (a) The pattern is  $(m^2 : n^2)$  difference = 2

- (a)  $10^2 : 9^2$  (b)  $6^2 : 4^2$   
 (c)  $7^2 : 5^2$  (d)  $9^2 : 7^2$

2. (c) The pattern is following  $n^2 \times (n+1)$

- (a)  $7^2 \times 8 = 392$   
 (b)  $9^2 \times 10 = 810$   
 (c)  $15^2 \times 16 = 3600$  (3150, Not)  
 (d)  $12^2 \times 13 = 1872$

3. (b) The pattern is  $n^2 - 1 : n$

- (a)  $7^2 - 1 : 7$  48 : 7  
 (b)  $8^2 - 1 : 8$  63 : 8 but 25 : 8  
 (c)  $4^2 - 1 : 4$  15 : 4  
 (d)  $3^2 - 1 : 3$  8 : 3

4. (b) The pattern is  $n \times (n+2) + 1$

- (a)  $53 \times (55+1) = 2916$   
 (b)  $41 \times (43+1) = 1764 \neq 1765$   
 (c)  $23 \times (25+1) = 576$   
 (d)  $19 \times (21+1) = 400$

5. (a) The pattern is  $(n^2 : n+3)$

- (a)  $4^2 : 4+3$  16 : 7  $\neq$  16 : 8  
 (b)  $2^2 : 2+3$  4 : 5  
 (c)  $3^2 : 3+3$  9 : 6  
 (d)  $6^2 : 6+3$  36 : 9

6. (d) The pattern is  $\frac{\text{First number}}{\text{Second number}} = 9$

- (a)  $\frac{441}{49} = 9$  (b)  $\frac{729}{81} = 9$   
 (c)  $\frac{369}{41} = 9$  (d)  $\frac{343}{47} \neq 9$

7. (b) The pattern is (the Second number is the Average of the digits of the First number)

- (a)  $678 : 7 \rightarrow \frac{(6+7+8)}{3} = 7$   
 (b)  $282 : 6 \rightarrow \frac{2+8+2}{3} = 4 \neq 6$   
 (c)  $366 : 5 \rightarrow \frac{3+6+6}{3} = 5$   
 (d)  $546 : 5 \rightarrow \left(\frac{5+4+6}{3}\right) = 5$

8. (a) The pattern is sum of all the digits of First number = second number

- (a)  $2834 : 18 = 2+8+3+4 \neq 18$   
 (b)  $8671 : 22 = 8+6+7+1 = 22$   
 (c)  $9876 : 30 = 9+8+7+6 = 30$   
 (d)  $3427 : 16 = 3+4+2+7 = 16$

9. (a) The pattern is (the second number is First number written backwards)

- (a)  $4328 : 8324 \rightarrow 4328 \rightarrow \text{backwards } 8234 \neq 8324$   
 (b)  $2437 : 7342 \rightarrow 2437 \rightarrow \text{backwards } 7342$   
 (c)  $3569 : 9653 \rightarrow 3569 \rightarrow \text{backwards } 9653$   
 (d)  $1786 : 6871 \rightarrow 1786 \rightarrow \text{backwards } 6871$

10. (c) The pattern is  $n : n^2 + 5$

- (a)  $6 : 6^2 + 5 \rightarrow 6 : 41$   
 (b)  $4 : 4^2 + 5 \rightarrow 4 : 21$   
 (c)  $8 : 8^2 + 5 \rightarrow 8 : 69 \neq 8 : 70$   
 (d)  $7 : 7^2 + 5 \rightarrow 7 : 54$

11. (a) The pattern is

- (a)  $\frac{48}{0.8} = 60 \neq 62$  (b)  $\frac{32}{0.8} = 40$   
 (c)  $\frac{64}{0.8} = 80$  (d)  $\frac{56}{0.8} = 70$

12. (b) The pattern is First  $\times$  last = middle numbers

- (a)  $2 \times 5 = 10$  2105  
 (b)  $6 \times 7 = 42$  6427  $\neq$  6457  
 (c)  $4 \times 8 = 32$  4328  
 (d)  $3 \times 4 = 12$  3124

13. (c) The logic here Eczema, Psoriasis, Vitiligo are the disease of skin problem but scurvy is disease from a lack of Vitamin C.

14. (b) The pattern is  
 (a)  $3437 \Rightarrow 3 + 4 + 3 + 7 = 17$   
 (b)  $7437 \Rightarrow 7 + 4 + 3 + 7 = 21 \neq 17$   
 (c)  $7415 \Rightarrow 7 + 4 + 1 + 5 = 17$   
 (d)  $5453 \Rightarrow 5 + 4 + 5 + 3 = 17$
15. (b) The pattern is  
 (a)  $S \xrightarrow{+4} W \xrightarrow{+7} D \xrightarrow{-4} Z$   
 (b)  $R \xrightarrow{+4} V \xrightarrow{+11} G \xrightarrow{-4} C$   
 (c)  $F \xrightarrow{+4} J \xrightarrow{+7} Q \xrightarrow{-4} M$   
 (d)  $G \xrightarrow{+4} K \xrightarrow{+5} P \xrightarrow{-4} L$
16. (d) The pattern is ABCD : DCBA  
 (a) PORT : TROP (b) MODE : EDOM  
 (c) LIMB : BMIL (d) FIST : TSIF  $\neq$  IFTS
17. (a) The pattern is  $\frac{2^{nd} \text{ number}}{1^{st} \text{ number}}$   
 (a)  $\frac{122}{11} = 11.09$  (b)  $\frac{112}{14} = 8$   
 (c)  $\frac{168}{21} = 8$  (d)  $144 \div 18 = 8$
18. (c) The pattern is (All numbers are multiples 33 except 177)  
 (a)  $198 = 33 \times 6$   
 (b)  $165 = 33 \times 5$   
 (c) 177 not a multiple of 33  
 (d)  $132 = 33 \times 4$
19. (b) In this question  
 Applaud, Honour, Admire are Synonyms
20. (b) In this question  
 (a)  $Y \xrightarrow{-2} W \xrightarrow{-3} T \xrightarrow{-4} P$   
 (b)  $P \xrightarrow{-3} M \xrightarrow{-3} J \xrightarrow{-3} G$   
 (c)  $M \xrightarrow{-2} K \xrightarrow{-3} H \xrightarrow{-4} D$   
 (d)  $U \xrightarrow{-2} S \xrightarrow{-3} P \xrightarrow{-4} L$
21. (d) Carpenter, Journalist, Architect are different so Job is correct option.
22. (a) The pattern  
 (a) MQTXA  $\rightarrow M + 4 = Q, Q + 3 = T, T + 4 = X, X + 3 = A$   
 (b) SWZDG  $\rightarrow S + 4 = W, W + 3 = Z, Z + 4 = D, D + 3 = G$   
 (c) JNQUX  $\rightarrow J + 4 = N, N + 3 = Q, Q + 4 = U, U + 3 = X$   
 (d) PTXBF  $\rightarrow P + 4 = T, T + 4 = X, X + 4 = B + 4 = F$
23. (a) In this question  
 Shark, Salmon, Cod are all Fish but Oyster is odd one
24. (a) The logic is  
 (a)  $C \xrightarrow{+4} G \xrightarrow{-1} F$   
 (b)  $M \xrightarrow{+3} P \xrightarrow{-4} L$

- (c)  $D \xrightarrow{+3} G \xrightarrow{-4} C$   
 (d)  $Q \xrightarrow{+3} T \xrightarrow{-4} P$
25. (d) In this question  
 Axe, Microscope, Gun are Instrument  
 But Amplify is odd one
26. (c) The pattern is  
 (a)  $32 - 45$  difference = 13  
 (b)  $13 - 16$  difference = 3  
 (c)  $16 - 30$  difference = 14  
 (d)  $12 - 15$  difference = 3  
 Prime
27. (c) The pattern is  
 (a) ADGPI  
 (b) OMKLU  
 (c) VDCKA  
 (d) ECVMU  
 1<sup>st</sup> and 5<sup>th</sup> letter are vowels
28. (d) In this question  
 Spoon, Knife, Fork used in kitchen but spade used for digging in earth
29. (d) The pattern is [First number  $\times$  (First + 1) = Second number]  
 (a)  $22 : 506 \rightarrow 22 \times (22 + 1) = 506$   
 (b)  $14 : 210 \rightarrow 14 \times (14 + 1) = 210$   
 (c)  $17 : 306 \rightarrow 17 \times (17 + 1) = 306$   
 (d)  $11 : 142 \rightarrow 11 \times (11 + 1) = 132 \neq 142$
30. (b) The pattern is  
 (a) NTZ  $\rightarrow N + 6 = T, T + 6 = Z$   
 (b) BFQ  $\rightarrow B + 5 = F, F + 10 = Q$   
 (c) FLR  $\rightarrow F + 6 = L, L + 6 = R$   
 (d) LRX  $\rightarrow L + 6 = R, R + 6 = X$
31. (b) In this question  
 Cells, Tissues, Organs are part of body and atom is odd one
32. (d) In this question  
 Parasailing, Surfing, Swimming are water sports
33. (c) The pattern is (1st+3rd)-2nd=odd  
 (a)  $AVZ = (1 + 26) - 22 = 5$   
 (b)  $UPF = (21 + 6) - 16 = 11$   
 (c)  $OKL = (15 + 12) - 11 = 16$   
 (d)  $EZV = (5 + 22) - 26 = 1$
34. (b) The pattern is {sum of all digits is multiple of 9}  
 (a)  $2421 = 2 + 4 + 2 + 1 = 9$   
 (b)  $7261 = 7 + 2 + 6 + 1 = 16$   
 (c)  $5472 = 5 + 4 + 7 + 2 = 18$   
 (d)  $4842 = 4 + 8 + 4 + 2 = 18$
35. (b) In this question  
 Germany, Austria, Italy are European

## EXERCISE 3C

### For SSC CHL and CPO Exams

1. Select the letter-cluster that is different.  
**SSC CGL 23/08/2021 (Shift-1)**  
 (a) LNJP      (b) GIEY      (c) PRNT      (d) FHDJ
2. Select the number-pair that is different.  
**SSC CGL 20/08/2021 (Shift-3)**  
 (a) 54 : 152      (b) 36 : 98      (c) 82 : 236      (d) 68 : 196
3. Select the letter-cluster that is different.  
**SSC CGL 20/08/2021 (Shift-3)**  
 (a) JLP      (b) CEH      (c) SUX      (d) LNQ
4. Select the word that is different.  
**SSC CGL 20/08/2021 (Shift-3)**  
 (a) Loti      (b) Naira      (c) Euro      (d) Print
5. Select the letter-cluster that is different.  
**SSC CGL 20/08/2021 (Shift-2)**  
 (a) CZWT      (b) PMJG      (c) SPMJ      (d) GDAW
6. Select the word that is different.  
**SSC CGL 20/08/2021 (Shift-2)**  
 (a) Hinder      (b) Forbid      (c) Permit      (d) Impede
7. Select the number-pair that is different.  
**SSC CGL 20/08/2021 (Shift-2)**  
 (a) 727 : 609      (b) 373 : 255      (c) 191 : 177      (d) 797 : 679
8. Select the word that is different.  
**SSC CGL 20/08/2021 (Shift-1)**  
 (a) Scurvy      (b) Goitre      (c) Anaemia      (d) Diarrhoea
9. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) Rial      (b) Dollar      (c) Lira      (d) Money
10. Select the letter-cluster that is different.  
**SSC CGL 20/08/2021 (Shift-1)**  
 (a) MN      (b) KP      (c) QL      (d) GT
11. Select the number-pair that is different.  
**SSC CGL 20/08/2021 (Shift-1)**  
 (a) (547, 258)      (b) (723, 144)  
 (c) (546, 225)      (d) (812, 121)
12. Select the word that is different.  
**SSC CGL 18/08/2021 (Shift-3)**  
 (a) Devotion      (b) Zeal      (c) Vision      (d) Fury
13. Select the letter-cluster that is different.  
**SSC CGL 18/08/2021 (Shift-3)**  
 (a) XZTB      (b) BDYF      (c) TVQX      (d) NPKR
14. Select the letter-cluster that is different.  
**SSC CGL 18/08/2021 (Shift-2)**  
 (a) NRJG      (b) TXCZ      (c) FJQN      (d) DHSP
15. Select the number-pair that is different.  
**SSC CGL 18/08/2021 (Shift-2)**  
 (a) 30 : 908      (b) 25 : 631      (c) 22 : 490      (d) 21 : 447
16. Select the odd letter-cluster.  
**SSC CGL 09/03/2020 (Shift-3)**  
 (a) DPG      (b) CIF      (c) BFF      (d) EYH
17. Select the number-pair that is different.  
**SSC CGL 09/03/2020 (Shift-2)**  
 (a) 37 : 256      (b) 31 : 214      (c) 21 : 154      (d) 39 : 270
18. Select the odd word.  
**SSC CGL 09/03/2020 (Shift-2)**  
 (a) Diabetes      (b) Cancer  
 (c) Asthma      (d) Bone Marrow
19. Select the odd letter-cluster.  
**SSC CGL 09/03/2020 (Shift-2)**  
 (a) GT      (b) AZ      (c) KN      (d) LO
20. Select the odd word.  
**SSC CGL 09/03/2020 (Shift-1)**  
 (a) Distance      (b) Gallon      (c) Weight      (d) Volume
21. Select the number-pair that is different from the rest.  
**SSC CGL 09/03/2020 (Shift-1)**  
 (a) 53 : 378      (b) 37 : 266      (c) 45 : 322      (d) 43 : 318
22. Select the odd letter-cluster.  
**SSC CGL 09/03/2020 (Shift-1)**  
 (a) TVXZ      (b) RSTU      (c) JNQS      (d) ADGJ
23. Select the odd word.  
**SSC CGL 07/03/2020 (Shift-3)**  
 (a) Carrot      (b) Potato      (c) Spinach      (d) Radish
24. Select the odd letter-cluster.  
**SSC CGL 07/03/2020 (Shift-3)**  
 (a) BCEHL      (b) GHJMP      (c) ABDGK      (d) NOQTX
25. Select the number-pair that is different from the rest.  
**SSC CGL 07/03/2020 (Shift-3)**  
 (a) 28 - 164      (b) 12 - 72      (c) 19 - 114      (d) 17 - 102
26. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-3)**  
 (a) Thesaurus      (b) Dictionary  
 (c) Book      (d) Encyclopedia
27. Select the one that is different.  
**SSC CPO 11/12/2019 (Shift-3)**  
 (a) 48 - 81      (b) 64 - 100      (c) 25 - 36      (d) 16 - 49
28. Select the group that is different.  
**SSC CPO 11/12/2019 (Shift-3)**  
 (a) 632 : 325 : 236      (b) 561 : 615 : 165  
 (c) 289 : 829 : 928      (d) 426 : 642 : 246
29. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-3)**  
 (a) Melon      (b) Apple      (c) Rose      (d) Orange
30. Four pairs of numbers have been given out of which three are alike in some manner, while one is different. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) 7 : 50      (b) 21 : 462      (c) 14 : 210      (d) 25 : 650
31. Choose out the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) 761 : 617 : 176      (b) 416 : 641 : 461  
 (c) 236 : 325 : 263      (d) 189 : 198 : 819
32. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) NVH - KUK      (b) CWX - AVZ  
 (c) REA - ODD      (d) TXB - QWE
33. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) 126      (b) 91      (c) 196      (d) 169
34. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) 61      (b) 109      (c) 73      (d) 91
35. Choose the odd one.  
**SSC CPO 11/12/2019 (Shift-1)**  
 (a) Incision      (b) Chisel      (c) Knife      (d) Dagger

## SOLUTIONS

1. (b) The pattern is  
 (a)  $L \xrightarrow{+2} N \xrightarrow{-4} J \xrightarrow{+6} P$   
 (b)  $G \xrightarrow{+2} I \xrightarrow{-4} E \xrightarrow{-6} Y$   
 (c)  $P \xrightarrow{+2} R \xrightarrow{-4} N \xrightarrow{+6} T$   
 (d)  $F \xrightarrow{+2} H \xrightarrow{-4} D \xrightarrow{+6} J$
2. (d) The logic is  
 (a)  $54 \times 3 - 10 = 152$   
 (b)  $68 \times 3 - 10 = 194 \neq 196$   
 (c)  $82 \times 3 - 10 = 236$   
 (d)  $36 \times 3 - 10 = 198$
3. (a) The pattern is  
 (a)  $J \xrightarrow{+2} L \xrightarrow{+4} P$   
 (b)  $L \xrightarrow{+2} N \xrightarrow{+3} Q$   
 (c)  $S \xrightarrow{+2} U \xrightarrow{+3} X$   
 (d)  $C \xrightarrow{+2} E \xrightarrow{-4} W$
4. (d) In this question  
 Loti, Euro, Naira are currency but pint is odd one
5. (d) The logic is  
 (a)  $C \xrightarrow{-3} Z \xrightarrow{-3} W \xrightarrow{-3} T$   
 (b)  $P \xrightarrow{-3} M \xrightarrow{-3} J \xrightarrow{-3} G$   
 (c)  $S \xrightarrow{-3} P \xrightarrow{-3} M \xrightarrow{-3} J$   
 (d)  $G \xrightarrow{-3} D \xrightarrow{-3} A \xrightarrow{-3} X$
6. (c) In this question  
 Hinder, Forbid, Impede are antonyms of permit
7. (c) The pattern is ( $1^{\text{st}} - 2^{\text{nd}} = 118$ )  
 (a)  $727 - 609 = 118$       (b)  $373 - 255 = 118$   
 (c)  $191 - 177 = 14$       (d)  $797 - 679 = 118$
8. (d) In this question  
 Anaemia, Scurvy, Goitre are not a type of infections disease Diarrhoea is odd one
9. (d) In this question  
 Rial, Dollar, Lira are currency but Money is odd one
10. (c) The pattern is  
 (a)  $M - N(\text{opposite})$       (b)  $K - P(\text{opposite})$   
 (c)  $Q - L(\text{not opposite})$       (d)  $G - T(\text{opposite})$
11. (a) The pattern is  
 (a)  $547 \rightarrow 5 + 4 + 7 = 16^2 = 256$ , not 258  
 (b)  $723 \rightarrow 7 + 2 + 3 = 12^2 = 144$   
 (c)  $546 \rightarrow 5 + 4 + 6 = 15^2 = 225$   
 (d)  $812 \rightarrow 8 + 1 + 2 = 11^2 = 121$
12. (c) In this question  
 Devotion, Zeal, Fury are strong emotions but vision is odd one
13. (a) The pattern is  
 (a)  $X \xrightarrow{+2} Z \xrightarrow{+20} T \xrightarrow{+8} B$   
 (b)  $B \xrightarrow{+2} D \xrightarrow{+21} Y \xrightarrow{+7} F$   
 (c)  $T \xrightarrow{+2} V \xrightarrow{+21} Q \xrightarrow{+7} X$   
 (d)  $N \xrightarrow{+2} P \xrightarrow{+21} K \xrightarrow{+7} R$
14. (a) The pattern is  
 (a)  $N \xrightarrow{+4} R \xrightarrow{-8} J \xrightarrow{-3} G$   
 (b)  $T \xrightarrow{+4} X \xrightarrow{\text{opposite}} C \xrightarrow{-3} Z$   
 (c)  $F \xrightarrow{+4} J \xrightarrow{\text{opposite}} Q \xrightarrow{-3} N$   
 (d)  $D \xrightarrow{+4} H \xrightarrow{\text{opposite}} S \xrightarrow{-3} P$
15. (a) The pattern is  
 (a)  $30^2 + 8 = 908$       (b)  $25^2 + 6 = 631$   
 (c)  $22^2 + 6 = 490$       (d)  $21^2 + 6 = 447$
16. (c) The pattern is  
 (a)  $D = 4$       (b)  $C = 3$   
 $4^2 = 16 = Z$        $3^2 = 9 = I$   
 $4 + 3 = 7 = G$        $3 + 3 = 6 = F$   
 (c)  $B = 2$       (d)  $E = 5$   
 $2^2 = 4 = D \neq F$        $5^2 = 25 = Y$   
 $2 + 3 = 5 = E \neq F$        $5 + 3 = 8 = H$
17. (c) The pattern is  
 (a)  $37 : 256$       (b)  $31 : 214$   
 $37 : 37 \times 7 - 3$        $31 : 31 \times 7 - 3$   
 (c)  $21 : 21 \times 7 + 7$       (d)  $39 : 270$   
 $39 : 39 \times 7 - 3$
18. (d) In this question  
 Diabetes, Cancer, Asthma are disease but Bone Marrow is odd
19. (c) The logic is  
 (a)  $GT(\text{opposite})$       (b)  $AZ(\text{opposite})$   
 (c)  $KN$       (d)  $LO(\text{opposite})$
20. (b) In this question  
 Distance, Volume, Weight are quantity but Gallon is odd
21. (d) The pattern is  
 (a)  $53 : 378$       (b)  $37 : 266$   
 $(53 \times 7) + 7 = 378$        $(37 \times 7) + 7 = 266$   
 (c)  $45 : 322$       (d)  $(43 \times 7) + 7 \neq 318$   
 $(45 \times 7) + 7 = 322$
22. (c) The logic is  
 (a)  $T + 2 = V, X + 2 = 26$   
 (b)  $R + 1 = 5, T + 1 = U$   
 (c)  $J + 4 = N, Q + 4 = U \neq 5$   
 (d)  $A + 3 = D, G + 3 = J$
23. (c) In this question  
 Carrot, Potato, Radish are root vegetables but spinach is odd
24. (b) The pattern is  
 (a)  $B + 1 = C, C + 2 = E, E + 3 = H, H + 4 = L$   
 (b)  $G + 1 = H, H + 2 = J, J + 3 = M, M + 3 = P$   
 (c)  $A + 1 = B, B + 2 = D, D + 3 = G, G + 4 = K$   
 (d)  $N + 1 = O, O + 2 = Q, Q + 3 = T, T + 4 = X$

6 ■ SSC Reasoning

25. (a) The pattern is  
(a)  $28 - 164$        $28 - (28 \times 6) = 168 \neq 164$   
(b)  $12 - 72$        $12 - (12 \times 6)$   
(c)  $19 - 114$        $19 - (19 \times 6)$   
(d)  $17 - 102$        $17 - (17 \times 6)$
26. (c) In this question  
Dictionary, Encyclopaedia and The saurus are  
particular topic but Book is odd
27. (a) The pattern is  
(a)  $48 - 81$   
(b)  $8^2 - 10^2$   
(c)  $5^2 - 6^2$   
(d)  $4^2 - 7^2$
28. (a) In this question  
(a) 2, 3, 5, 6 used  
(b) 1, 5, 6 used  
(c) 2, 8, 9 used  
(d) 2, 4, 6 used
29. (c) In this question  
Apple, Orange, Melon are fruits but Rose is odd
30. (a) The pattern is  $(n^2 : n^2 + n)$   
(a)  $7 : 50 \neq (7^2 : 7^2 + 7)$   
(b)  $21 : 462 = (21)^2 : (21^2 + 21)$   
(c)  $14 : 210 = (14)^2 : (14^2 + 14)$   
(d)  $25 : 650 = (25)^2 : (25^2 + 25)$
31. (c) In this question  
(a) 1, 6, 7 used      (b) 1, 4, 6 used  
(c) 2, 3, 5, 6 used      (d) 1, 8, 9 used
32. (b) In this question the pattern is going on  
First- 3 alphabet position decrease, the second is 1  
alphabet position decrease and third is +3 alphabet  
position. So, option B is correct
33. (d) In this question  
91, 126, 196 are divisible by 7 but 169 is odd
34. (d) In this question  
61, 109, 73 are prime number but 91 is not
35. (a) In this question  
Chisel, Knife, Dagger are similar but Incision is  
different