CATapult Courseware

Module 1
Answer Key

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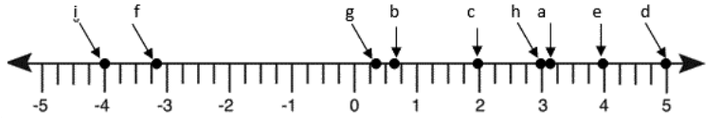
ANSWER KEY

CLASS EXERCISES – QUANTITATIVE ABILITY

CHAPTER QA 1.1

1-a-N b-C c-Q d-R e-Q f-Q g-Q h-C i-I j-W
k-C l-Q 2-a—1 b- –i c- –1 d-13 3-a- $\frac{38}{7}$ b- $\frac{13}{3}$ c-1 $\frac{5}{7}$ d- $\frac{68}{99}$
4- a-T b-T c-F d-CBD e-T f-T g-F h-T
5- a-Q b-Q c-N d-R e-R f-C g-C h-R
6- a- < b- > c- < d- < e- < f- > 7- a-5040
b-6 + 24 + 120 =150 c-1 x 1 x 2 x 6 =12 d-7 x 6! = 7! = 5040
8-a-Prime b-3 x 3 x 7 c-3 x 3 x 13 d-13 x 23 9-(N +1)! – N!
10- $\frac{6}{13} < \frac{7}{11} < \frac{11}{12} < \frac{11}{9} < \frac{11}{8} < \frac{13}{8} < \frac{12}{7}$
11- 101 = Prime 199 = Prime 201 = 3 x 67 301 = 7 x 43
499 = Prime 501 = 3 x 167 12- a-30 b-0 c-0.1 d-4.7
13-a-148 b-148 c-147 d-148
14- 1-c 2-e 3-b 4-a 5-d 15-i-4.63 ii-880

16-



17- a-5.4 b-150 c-40 d-9 e-1.6
18- a-False: there are 21, including 0 b-False: e.g. x = 25, y = – 20
19- a-False: e.g. x = 500, y = 0.01 b-False: e.g. x = –10, y = 5

Challengers

1-3 2-3 3-3 4-2 5-4

CHAPTER QA 1.2

1- i- $2^4 \times 5^2$ ii- $2^3 \times 3 \times 37$ c- 2 x 3 x 5 x 7 x 11 x 13 2-Yes 3-Yes
4- i- 20, 1680 ii- 25, 6000 iii- 8, 576 iv- 1, 400 v- 28, 308
vi- 1, n(n+1) vii- $\frac{5}{24}, \frac{15}{2}$ viii- $\frac{1}{6}, \frac{2}{3}$
5- any factor of 12 6- (i), (iii) and (iv)
7- 4 ways: : 2 x 60, 4 x 30, 6 x 20, 10 x 12 – the order of factors is immaterial.
8- 361. LCM (18, 24, 30) + 1 9-11. LCM (2, 3, 4) – 1 = 11
10-301. LCM (2, 3, 4, 5, 6) = 60. So we try (multiples of 60) + 1. But 61, 121, 181, 241 are not divisible by 7. So the least possible number is 301
11-982. LCM (14, 35) = 70. We want the largest 3-digit number which is a 'multiple of 70' + 2 = 980 + 2 = 982

12-12. We want a number that will divide 70-10 = 60, 80-8 = 72 and 90-6 = 84. The greatest such number = GCD (60, 72, 84) = 12.

13-66. Product of numbers = GCD x LCM. So, the other number is 6 x 1320 ¸120 = 66

14- 6 & 90 or 18 & 30. LCM = GCD x product of uncommon factors. 90 = 6 x 15. So the numbers are 6 x 1 and 6 x 15 or 6 x 3 and 6 x 5.

15- 48 & 54. 432 = 6 x 72. Now 72 can be broken into two relatively prime factors in only two ways – 1x72 or 8x9. But in the 1st case we will get the numbers 6 and 432 which are not 2-digit nos. So the numbers are 6x8 and 6x9, i.e. 48 and 54.

16- 96 & 30 or 6 & 480. 17-1728

18-16. The number is of the form 15 (2k+1) + 1 = 30m + 16

19- 10:30 am. Solution: 6 min = 360 sec, 7½ min = 450 min. They will come back to the starting point at multiples of 360 sec and 450 sec respectively. LCM (360, 450) = 1800 sec = 30 min. So they will be there together after every 30 min.

20-37. From the 1st condition, the possible number of students = 6k+1 = 7, 13, 19, 25, 31, 37, 41...
From the 2nd condition, the possible number of students = 7k+2 = 9, 16, 23, 30, 37, 44...
The first common possibility is 37. OR, we need remainder 1 when divided by 6 and remainder 2 when divided by 7.
Observe that the gap is 5. So we find LCM (6, 7) – 5 = 37.
21-i- False. e.g. 36 is divisible by 4 and 6 but not by 24
ii- True. This works since 3 and 8 are relatively prime
iii- True.
iv-True. If a number is divisible by two numbers then it must be divisible by their LCM.

22- i- 2, 20 ii- 11, 419 iii- 7, 89 23-i- 25, 25 ii- 49, 49 iii- 121, 391
24-i- 15→6 ii-5→6 iii-3→0 25-i-0, 7, 14 ii-0, 7, 14, 21, 28, 35, 42
iii-0, 1, 2 26-i-3 ii-0 iii-Cannot be determined uniquely iv-0
27- 30 (option 2). The difference in the remainders must be a multiple of 9.
Note that:
The GCD always divides each number and each number always divides the LCM.
1st number = GCD x its uncommon factors (UCF1)
2nd number = GCD x its uncommon factors (UCF2)
UCF1 and UCF2 are relatively prime
LCM = GCD x (UCF1) x (UCF2)

Challengers
1-LCM (180, 144) = 720. So we try (multiples of 720) + 7. We see that 727 leaves remainder 6 and 1447 leaves remainder 5 when divided by 7. So, to get remainder 1 we need the 6th multiple, which is greater than 4000. Hence, [4]. (N = 720 x 6 + 7 = 4327)

2- The sum of the digits of such a number will be 4 x 1 + 4 x 2 + 4 x 0 = 12. So the number will be divisible by 3 but not by 9 which is not possible in case of a perfect square.

3- i-333ii-200 iii-66 iv-267 v-33
4-We want numbers divisible by the LCM of 88 and 72 = 792. So, there's only one. Hence, [1].
5-1

CHAPTER QA 1.3

Squares, Square-roots, Cubes, Cube-roots

a-–72 b-10 c-42 d-24, 72, 53, 0.021, ≈6.48, 12.1 e-13 f-7 g-63
h-0.8 i-23 j-270

Indices

Find the value of the given expression:

a-256 b-16 c- 1024 (= 2^{10}) d- 4 (= 2^{2}) e- ¼ (= 2^{-2})
f- 64 (= 2^{6})

What's the meaning of:

a-1/16 b-2 c- ½

Simplify:

a-19^{39} b- 19^{15} c- 19^{15} d-19^{40} e-19^{2} f-19^{30} g-m = 18
h- p = 81, q = 80 i-t = 6 j-k = 2

Solve:

a- k = -12b- 22 c- 100d- m = -3 e- n = 2/5 f- p = 40
g-16 h- q = 28 i- k = 5/3 j-25 k-z = 2 l-5/2
m- A = 20, B = 4 n-k = 2/3 o-3125 p- a = -1 and b = -3 q—8
r- 0.0000000125 s-6

Surds

1-a- $6\sqrt{5}$ b- $6\sqrt{10}$ c- $5\sqrt[3]{2}$ 2-a- $\sqrt{20}$ b- $\sqrt[3]{81}$
3-a- $\frac{\sqrt{2}}{4}$ b- $\frac{8\sqrt{6}}{3}$ c- $\frac{\sqrt{6}}{3}$ d- $2(\sqrt{7}+\sqrt{5})$ e-5 + $2\sqrt{6}$
4-7 + $4\sqrt{3}$ 5-a-2 b-4 c-0

6-a-1 + $\sqrt{2}$ b- $\sqrt{2}+\sqrt{3}$ c- $\sqrt{6}$ d-2 + $\sqrt{3}$ e-2 - $\sqrt{3}$ f- $\sqrt{2}+2\sqrt{3}$
7-$2\sqrt{2}$ 8- –5
9-a-< b-< c-> d-< e-< f->

Challengers

1-1
0.12 x (0.1)-4 = 0.12 x 104 = 1200;
1.2 x (0.01)-3 = 1.2 x 1003 = 1200000;
0.012 x (0.001)-2 = 0.012 x 10002 = 12000.
Hence, [1]

2-4 3-2 4-4 5-4 6-1

CHAPTER QA 1.4

1-a-3, 2, 6 b-3, 1, 4 c-6, 3, 6 2-a- $6x^3 + 5xy^2 + y^3$ b- $16y^2 - 25x^2$ c-0
3-a-6 b-10 or 0 4-a-4 b-998001c-4950 5- $\frac{2+p}{2-p}$
6-e 7-16 8-16 9-256 10-42 years 11-49 years old
12-24 years old 13-18 14-7 rupees 15-4 numbers 16-3numbers
17-27 18-42 grapes 19-30 20-216 21-77 years old
22-Rs.160 23-15 eggs 24-6 numbers 25- –55 26-a- x = 1, y = 2
b- p = 3, q = 3c- Infinite solutions d- No solution e- p = 2, r = 1f- x = 5, z = 4
27-25.5 28-7 Rs. 29-Rs. 30 30-8 31-Thrice 32-Rs. 5100
33-a- 6,-1b- $-\frac{1}{2}, \frac{2}{3}$ c- $\pm\sqrt{3}$ d- $\mp 2i$ e- $-2\sqrt{10}$ f- –2 g- –1, –5 h-1,5
i-3, $-\frac{3}{2}$ j- $\mp\frac{1}{2}$

Challengers
1-3 2-4 3-3 4-15-196 sq cm.

CHAPTER QA 1.5

Percentage
1- a-1 b-25 c-400 d-120 e-12.5 f-6 g-3000
2- a-6 b-0.0005 c-25000 d-3.125 3-15 4-300 5-34.39% 6-Rs.50
7- $9.\overline{09}$ % 8-20% 9-20% 10- $22.\overline{2}$ % 11-100 ml

Profit and Loss
1- a-12.5% b-Rs. 21600 c-20%d-Rs.30000e-Rs.30000
2-a-50% b-0.25% c-4%d-Rs.74000
3-a- $13.\overline{3}$ % b-20% c-990 d-25% e-25% f- $16.\overline{6}$ %
4-a- $4.\overline{16}$ b- $4.\overline{16}$ c-4%

Simple & Compound Interest
1- 5 years 2-20 years 3-8 pcpa4-Rs.240005-Rs.1100
6-a-0 b-Rs.200 c-24310.1257-100000

Challengers
Set-1
1-Rs.102-Rs.20 3-50% 4-25% 5-100ml 6-25%

Set-2
1-54%2-Rs.910 3- greatest on Type FS. 4-52% 5- $1/4$

CHAPTER QA 1.6

1-9/49 2-Rs.60000 3- 20 quarters 4- Rs 84000
5- 2426, 2026 and 1226 6- John $10.8, Mary $7.2 and Sherrie $ 5.4
7-a- $\frac{b}{d}$ b-k c-0d- (b – d)(5k – 2) e-k+1
8- $\frac{227}{67}$ 9-17 10-– $\frac{1}{26}$ 11-a-5 days b-24 workers
12-7 kmph 13-12 14-15 litres 15-50 days 16-16 days
17-20 days 18-Wednesday 19-21 and 24 20- increase of 350%
21- i- (b + d)(k + 1) ii- k + 1 22-3 weeks 23-564 legs 24-135 units
25- Kane – Rs 1,40,000 and Abel – Rs 1,80,000 26- Brock – 49000, Lauren – 70000
27- Suraj – Rs 7.2 lakh, Chand – Rs 6 lakh
28- 1st platoon – Rs 8000, 2nd platoon – Rs 12000 29- a-1 b-2 c-3 d-2 e-4 f-1

Challengers

1-2 2-3 3-1 4-a-3 b-2 5-4

CHAPTER QA 1.7

1-a-20.3 b-20.5c- 19 and 21
2-a-171 b-625
3-a-Mean = 161, Median = 158, Mode = 158b-Mean = 2087, Median = 2092, Mode = 2092
c-Mean = 22.84, Median = 22.8, Mode = 22.7 and 23.1
4-$25 per hour 5-$24 per hour 6-50 kmph 7-42 kmph 8-Rs. 45
9-Rs. 44.44 10-3 m 11-48 pages 12-60% 13-48 kg
14-123.5 marks 15-Rs 44 per kg 16-180 cm 17-24000 18-Rs 140000
19-33 years 20-24/35
21- Note that there could be multiple answers possible. One way of finding them would be to make two mixtures worth 26 per kilo and then mixing them. Let A cost 18, B 25 and C 28. A and B can never give a cost of 26 as both values are under 26. A and C would have to be mixed in the ratio 1 : 4 for a price of 26 (let us call this Mixture P), while B and C would have to be mixed in the ratio 2 : 1 (Mixture Q). Now for example if we take one unit of P and one of Q, we get a total of 1 kg A, 2 kg B and 5kg C
22-11 : 5 23-80 litres 24-15 litres 25-9 : 5 26-40 litres
27-64% and 4 steps 28-6 years 29-65% 30-3 : 5 31-100 gallons
32-45 litres 33-1 : 1

Challengers

1-2 2-3 3-1 4-3 5-3 6-4

ANSWER KEY

CLASS EXERCISES – Data Interpretation & Logical Reasoning

CHAPTER DI 1.1

1-4 2-4 3-3 4-2 5-1 6-3 7-3 8-2 9-2 10-3
11-2 12-4 13-1 14-2 15-3 16-1 17-4 18-1 19-3 20-1
21-2 22-4 23-2 24-3

Challengers

1-3 2-1 3-3 4-4 5-1

CHAPTER DI 1.2

1-a- 62.124 b- 2674.64 c- 6.16 d- 597.6 e- 61952
2-a- 0.2545 b- 3.0674 c- 1.293 d- 0.3121 e- 0.3561
3-a- 1.159 b- 1.2247 c- 10406 d- 1012048 e- 0.000102015
4-a- 322.7 b- 161.3 c- 677.6 d- 1075.7 e- 1629.8
5-a- 0.03 kg b- 15.4 lb c- 7.5 metres d- 11.25 miles e- 1620 gm
f- 1530 cm g- 0.185 metres h- 2.854 m3
6-a- 699.3 b- 79128 c-77 d- 1009027 e- 11190 f- 4238
g- 16.3224 h- 5.016 i- 0.7117 j- 2.406 k- 1.084 l- 7.53
7-a- 7.53 b- 28.57% c- 62.5% d- 36.36% e- 155.55% f- 72.72%
8-a- 60% b- –37.5% c- 88.88% d- –16.66% e- 37.5% f- –7.14%
9- 25% 10- 52.2% 11- 1.8% 12- Bhabhi, in 1999
13- Jokemon, in 2003 14- 4 years 15- 8 combinations 16- a- 4.1 b- 122.8
c- 83.94 17- 28 18- Sanjay 19-23 20-63 21-83 22- not possible

Challengers

1-3 2-2 3-4 4-1 5-1 6-2

CHAPTER LR 1.1

1-2 2-3 3-1 4-4 5-2 6-3 7-2 8-4 9-3 10-3
11-4 12-1 13-1 14-3 15-3 16-ii 17-v 18-i 19-ii

Challengers

1-2 2-3 3-2 4-2

CHAPTER LR 1.2

1-2 2-2 3-3 4-2 5-1 6-1 7-4 8-2 9-iii 10-iii
11-iii 12-i 13-iv 14-1 15-2 16-4 17-1 18-4 19-2 20-4
21-2

Challengers

1-2 2-3 3-4 4-2 5-4

ANSWER KEY
CLASS EXERCISES

VA 1.1

1-3	2-2	3-1	4-1	5-4	6-1	7-4	8-1	9-4	10-3
11-2	12-4	13-2	14-1	15-2	16-4	17-3	18-4	19-4213	20-1324
21-3	22-4	23-2	24-3	25-3	26-5				

VA 1.2

1-2	2-4	3-2	4-3	5-2	6-4	7-2	8-3	9-3	10-1
11-4	12-3	13-3	14-2	15-2	16-3	17-1	18-4	19-1	20-2
21-1	22-4	23-4	24-2	25-4	26-1	27-3	28-4	29-1	30-1
31-1	32-3	33-4	34-4	35-2	36-2	37-2	38-1	39-3	40-2
41-3	42-2	43-1	44-3	45-2	46-3	47-2	48-4	49-2	50-3

VA 1.3

1-YES	2-NO	3-NO	4-NO	5-NO	6-NO	7-NO	8-NO	9-YES	10-YES
11-3	12-1	13-3	14-4	15-1	16-1	17-1	18-4	19-2	20-3
21-4	22-2	23-3	24-4	25-1	26-3	27-2	28-3	29-2	30-2
31-1	32-3	33-1	34-1						

VA 1.4

1-3	2-1	3-3	4-1	5-2	6-2	7-1	8-3	9-3	10-2
11-1	12-1	13-1	14-2	15-4	16-3	17-2	18-3	19-2	20-2
21-3	22-3	23-3	24-4	25-3	26-4	27-4	28-3		

VA 1.5

1-the 2- No article is required here 3-the 4-the 5-a, an 6-the, an
7- No article is required 8- No article is required 9-an 10-the
11-an 12-an 13-the 14-the 15-the 16-the 17-the 18-the 19-a
20 to 43-whole expans
44-as 45- (no change) 46- whether 47-but 48-nor 49-(no change)
50-or 51-and 52-Its 53-It's 54- It's 55-Its
56 to 60 whole expans
61-ought 62- might, has 63-can 64-would 65-dare
66 to 68 whole expans

VA 1.6

1- BECDA	2- DACB	3- BADC	4- BECDA	5- BCDA	6- DBAC	7- DCBE	8- CEDB	9- EBDC
10- DCEB	11-4	12-3	13-3	14-1	15-3	16-1	17-1	18-4	19-2
20-1	21-4	22-4	23-3	24-1	25-2	26-1	27-4	28-3	29-4
30-4									

ANSWER KEY
PRACTICE EXERCISES – QUANTITATIVE ABILITY

CHAPTER QA Intro

Practice Exercise

1-Yes 2-A decimal point 3-4 4-4
5-2 6-2 7-2 8-1 9-3 10-4

CHAPTER QA 1.1

Practice Exercise

1-2	2-2	3-3	4-4	5-4	6-4	7-3	8-3	9-3	10-3
11-3	12-2	13-1	14-1	15-1	16-1	17-3	18-2	19-4	20-1

CHAPTER QA 1.2

Practice Exercise 1

1-4	2-37 kg	3-3	4-3	5-1	6-3	7-4	8-1	9-3	10-2
11-1	12-4	13-3	14-2	15-2	16-2	17-2	18-1	19-3	20-4

Practice Exercise 2

1-2	2-2	3-4	4-1	5-4	6-2	7-1	8-3	9-1	10-4
11-3	12-4	13-4	14-3	15-3	16-2	17-4	18-4	19-1	20-3

CHAPTER QA 1.3

Practice Exercise

1. a) 100 b) 2048 c) 0.64 d) 3/4 e) 2^{36} f) 2^7 g) 4/3 h) –1

2. a) 27 b) 9 c) 1/8 d) 400000000 e) 54 f) $\frac{9}{32}$ g) 1 h) 0.5

3. a) $7\sqrt{2}-5\sqrt[3]{2}+3\sqrt{6}$ b) $\frac{4\sqrt{3}}{27}$ c) $\frac{4\sqrt[3]{9}}{9}$ d) 4/27 e) 10 f) $\sqrt[12]{16}$ g) $\frac{4\sqrt{7}-4\sqrt{2}}{25}$

4. a) $2+\sqrt{6}$ b) $2\sqrt{2}+\sqrt{3}$ c) $1+2\sqrt{6}$

5. $(1.2)^4$ is greater

6-1	7-3	8-2	9-3	10-2	11-2	12-4	13-2	14-2
15-3	16-2	17-2	18-3	19-3	20-3	21-1		

CHAPTER QA 1.4

Practice Exercise

1-1	2-4	3-3	4-3	5-3	6-3	7-1	8-2	9-2	10-4
11-1	12-3	13-2	14-1	15-4	16-4	17-2	18-4	19-2	20-2

CHAPTER QA 1.5

Practice Exercise 1

1-1% loss 2-4 p.c.p.a. 3-33.33%

4-profit, 25% 5-30% 6- $\frac{5}{3}$ or $1\frac{2}{3}$ or $1.\overline{6}$

7-no profit no loss (60% of 40 = 40% of 60)

8-20% (CP = 600. 4% reduction in Rs.750 will make the SP = Rs.720. So profit% = 20%)

9-25% 10-20 pcpa

11-1	12-3	13-4	14-2	15-3	16-4	17-3	18-2	19-3	20-2

Practice Exercise 2

1-4	2-1	3-2	4-4	5-3	6-3	7-4	8-1	9-2	10-1
11-1	12-1	13-3	14-1	15-2	16-2	17-98	18-5000	19-4	20-2

Practice Exercise 3

1-10%	2-3 years	3-4	4-3	5-2	6-4	7-3	8-3	9-1	10-3
11-1	12-2	13-4	14-1	15-2	16-2	17-1	18-4	19-1	20-20%

CHAPTER QA 1.6

Practice Exercise 1

1-4	2-3	3-4	4-2	5-4	6-3	7-4	8-3	9-3	10-2
11-3	12-3	13-1	14-1	15-2	16-3	17-4	18-3	19-3	20-2

Practice Exercise 2

1-1	2-3	3-4	4-3	5-1	6-4	7-4	8-2	9-1	10-2
11-1	12-1	13-2	14-2	15-2	16-3	17-1	18-3	19-1	20-3

CHAPTER QA 1.7

Practice Exercise 1									
1-2	2-3	3-3	4-4	5-3	6-3	7-2	8-4	9-2	10-1
11-1	12-2	13-2	14-1	15-1	16-2	17-2	18-4	19-2	20-4
Practice Exercise 2									
1-4	2-3	3-1	4-2	5-2	6-4	7-4	8-2	9-2	10-2
11-3	12-2	13-1	14-2	15-4	16-4	17-1	18-1	19-1	20-3
Practice Exercise 3									
1-3	2-1	3-2	4-3	5-2	6-3	7-1	8-2	9-4	10-2
11-2	12-1	13-3	14-3	15-4	16-3	17-3	18-1	19-2	20-2

ANSWER KEY
PRACTICE EXERCISES
DATA INTERPRETATION & LOGICAL REASONING

CHAPTER DI 1.1

Practice Exercise 1

1-1	2-2	3-1	4-4	5-9	6-310	7-2	8-630	9-4	10-2
11-3	12-3	13-2	14-3	15-1	16-2				

Practice Exercise 2

1-2	2-3	3-1	4-4	5-2	6-4	7-4	8-3	9-4	10-3
11-3	12-3	13-1	14-4	15-2	16-3	17-2	18-1	19-4	

CHAPTER DI 1.2

Practice Exercise

1-2	2-2	3-3	4-4	5-641	6-1998	7-1998	8-4	9-1998	10-2
11-1	12-1	13-1	14-2	15-3	16-4	17-2			

CHAPTER LR 1.1

Practice Exercise 1

1-1	2-2	3-3	4-4	5-4	6-2	7-3	8-2	9-4	10-2
11-3	12-1	13-2	14-1	15-3					

Practice Exercise 2

1-3	2-6	3-3	4-4	5-1	6-2	7-1	8-3	9-3	10-4
11-2	12-2	13-3	14-4						

CHAPTER LR 1.2

Practice Exercise

1-2	2-5	3-0	4-5	5-4	6-4	7-1	8-2	9-3	10-4
11-2	12-1	13-3	14-2	15-2	16-2				

ANSWER KEY
PRACTICE EXERCISES – VERBAL ABILITY

CHAPTER VA 1.2

Practice Exercise 1

1-2 2-3 3-2 4-2 5-2 6-1 7-2 8-1 9-4 10-3
11-3 12-1 13-3 14-4 15-3

Practice Exercise 2

1-Default : N. failure to act or be present; failure to honour a promise or pay a debt
2-Brook : V. tolerate; endure
3-Catholic : ADJ. wide-ranging or broad; liberal; universal
4-Sheer : ADJ. thin and transparent
5-Buffet : N. tremendous blow; slap
6-Deliberate : V. consider; ponder; discuss
7-Intimate : V. hint or suggest; give information
8-Pluck : N. courage
9-Rent : V. past tense of rend (disturb (the air) sharply with noise)
10-Transports : N. strong emotion; rapture, ecstasy, etc.
11-Bid : V. commanded; ordered
12-Riddled :V. pierced with many holes
13-Slight : N. insult to dignity; snub
14-Scrape : N. an embarrassing or difficult situation caused by one's own mistake
15-Fell : ADJ. cruel; deadly and dangerous
16-Smart : V. cause or feel a sharp pain
17-Latitude : N. freedom from rules or limitations
18-Wax : V. grow; increase
19-Base : ADJ. contemptible; morally corrupt; inferior in quality or value
20-Rank : ADJ. offensive in odour or flavour; decaying
21-1 22-1 23-4 24-3 25-1

Practice Exercise 3

1-Desert : N. waterless, desolate area of land
V. abandon in a treacherous manner
2-Founder : N. person who establishes an institution or settlement
V. fail or sink
3-Season : N. weather-based division of the year
V. add spices to food
4-Husband : N. a married man (with respect to his wife)
V. use economically
5-Humour : N. the quality of being amusing or comic
V. comply with unreasonable wishes to keep someone content
6-Low : ADJ. of less than average or requisite height
V. (of a cow) make a mooing sound
7-Rest : N. the remaining part of something
V. cease work or movement in order to relax

8-Converse : N. a situation, object or statement that is just the opposite of another
V. engage in conversation
9-Purchase : V. acquire something by paying for it
N. firm contact or grip
10-Partial : ADJ. incomplete; existing only in part
ADJ. having a special liking for something

11-2	12-1	13-5	14-4	15-3	16-2	17-3	18-4	19-4	20-3
21-4	22-3	23-1	24-2	25-2					

CHAPTER VA 1.3

Practice Exercise

1-2	2-3	3-4	4-2	5-3	6-4	7-4	8-1	9-4	10-3
11-3	12-1	13-1	14-2	15-1	16-4	17-2	18-2	19-4	20-3
21-2	22-1	23-1	24-2						

CHAPTER VA 1.4

Practice Exercise-1

1-1	2-2	3-2	4-3	5-2	6-1	7-4	8-2	9-1	10-2
11-1	12-4	13-2	14-3	15-1	16-3	17-4	18-3	19-4	20-4
21-4									

Practice Exercise-2

1-2	2-3	3-3	4-4	5-3	6-2	7-4	8-4	9-3	10-4
11-4	12-2	13-3	14-3	15-2	16-3	17-4	18-3	19-4	20-4
21-2	22-2	23-1	24-1	25-4	26-3	27-3	28-2		

CHAPTER VA 1.5

Practice Exercise-1

1-a	2-a	3-a	4-a	5-a	6-an	7-an	8-an	9-an	10-a
11-a	12-a	13-a	14-a	15-an	16-an	17-an	18-an	19-the	20-the
21-the	22-the	23-the	24-no article		25-no article		26-no article		27-the
28-the	29-no article		30-the	31-the	32-the	33-the	34-the	35-the	36-3
37-2	38-1	39-3	40-2	41-4	42-3	43-2	44-1	45-3	46-4
47-3	48-3	49-1	50-3						

Practice Exercise-2

1-verb 2-adjective 3-noun 4-preposition 5-adverb 6-interjection
7-pronoun 8-conjunction 9-I-C, II-A, III-D, IV-B 10-I-D, II-C, III-B, IV-A
11-I-B, II-D, III-A, IV-C 12-I-B, II-D, III-C, IV-A 13-I-C, II-D, III-A, IV-B 14-5
15-1 16-1 17-5 18-verb/noun 19-adjective/adverb 20-verb/adverb
21-conjunction/pronoun 22-demonstrative pronoun/demonstrative adjective 23-adverb/adjective
24-verb/conjunction 25-verb/preposition 26-adverb/noun 27-adjective/noun 28-3
29-1 30-1 31-1 32-4 33-4 34-2 35-5 36-4 37-4 38-2
39-2 40-1 41-3 42-2 43-2 44-4 45-2

Practice Exercise-3

1-the 2-the 3-the 4-the 5-no article 6-the 7-the 8-the
9-no article 10-a 11-the 12-the 13-the 14-the 15-the 16-the 17-the 18-the
19-no article 20-no article 21-no article 22-no article 23-the 24-the
25-no article 26-no article 27-no article 28-no article 29-no article
30-no article 31-no article 32-no article 33-the 34-the 35-the 36-1 37-4
38-1 39-2 40-1

CHAPTER VA 1.6

Practice Exercise-1

1-BCDA 2-DCBA 3-CABD 4-ADCB 5-CADB
6-DCBA 7-CBAD 8-CDAB 9-BACD 10-CDAB
11-BDAC 12-BDAC 13-ABDC 14-ADCB 15-CBDA
16-DACB 17-CBDA 18-BADC 19-CADB 20-BDAC
21-4 22-4 23-1 24-1 25-4 26-4 27-1 28-2 29-1
30-3

Practice Exercise-2

1-BDCA 2-CABD 3-DCAB 4-BCAD 5-CBAD
6-ACBD 7-ACBD 8-BDAC 9-ADCB 10-ABCD
11-1 12-2 13-2 14-4 15-3 16-4 17-2 18-3 19-4 20-2
21-2 22-DBCA 23-BADC 24-CDBA 25-BADC
26-BADC 27-BDAC 28-BADCE 29-CEABD 30-BCEAD

Practice Exercise-3

1-CEBDA 2-DABCE 3-BAECD 4-BECDA 5-CADBE
6-FCDAEB 7-DCAB 8-CADB 9-DBCA 10-CADB
11-CADB 12-CADB 13-DABC 14-DABC 15-DBAC
16-BDCA 17-DBCEA 18-CBEDA 19-EBADC 20-ECADB
21-CEADB 22-CAEDB 23-BDECA 24-ACEBD 25-ECDBA
26-BEDCA 27-DCAEB 28-BFCDEA 29-AEBDCF 30-ECABDF

Practice Exercise-4

1-BADEC	2-CEBDA	3-BEACD	4-BAEDC	5-EACBD
6-CEABD	7-EBACD	8-ECBDA	9-EDBAC	10-BECDA
11-DAEBC	12-BEDAC	13-BECDA	14-ADBECF	15-2
16-3	17-3	18-4	19-3	20-3
21-3	22-4	23-3	24-2	

Practice Exercise-5

1-1	2-1	3-2	4-4	5-1	6-3	7-1	8-4	9-4	10-2
11-BDAC	12-DABC	13-CADB	14-ACEDBF	15-CEBDA					
16-BDAEC	17-CBDA	18-ADBCE	19-DACB						