SOLUTIONS-2

1.(a)

2.(b) As,

A K $\quad P = (1)^2 (11)^2 (16)^2 = 1121256$

Similarly,

L N O $= (12)^2 (14)^2 (15)^2$

$= 144196225$

3.(d) As,

$534 \rightarrow (5+3) \div 4 = 8 \div 4 = 2$

Similarly,

$999 \rightarrow (9+9) \div 9 = 18 \div 9 = 2$

4.(d) Snooker is an indoor game while all other are outdoor games.

5.(c) B O H E R K

+14 +7 +14 +7

H U O K X Q

+14 −6 +14 +7

6.(b)

7.(a) Clocklipe → Clockwise → Cloddier → Cldpates →

1 5 2 3

Cldpolls

4

8.(c) e f g h e f f g h h e e e f f f g g g h h h

9.(a) 5 13 40 104 **229**

+8 +27 +64 +125

2^3 3^3 4^3 5^3

10.(d) Let Aman's present $= 2x$ years

Ankit's present age $= x$ years

According to question,

$2x + x = 72$

$3x = 72$

$x = 24$

Aman's age after 6 years

$= 2 \times 24 + 6 = 54$ years

11.(b) P **Q** T S R

Third to the left

12.(d) The word 'TASTE' cannot be formed using the letters of the given word because the word 'ERADICATE' does not have letter 'S' .

13.(a) hit (ka) tom → tie the (shoes)

(ka) [lo] fod → (shoes) of [leather]

[lo] tin lot → [leather] and raxin

$\therefore$ of → fod

14.(d)

$? = 13 + 12 \times 9 \div 3 - 6$

$? = 13 \div 12 - 9 \times 3 + 6$

$? = \frac{13}{12} - 27 + 6 = \frac{13}{12} - 21$

$? = \frac{13 - 252}{12} = -\frac{239}{12}$

15.(c) As,

$(6)^2 + (4)^2 + (7)^2 = 36 + 16 + 49 = 101$

$(2)^2 + (5)^2 + (11)^2 = 4 + 25 + 121 = 150$

Similarly,

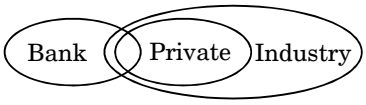
$(A)^2 = 289 - 64 - 81 = 144$

$A = 12$

16.(c)

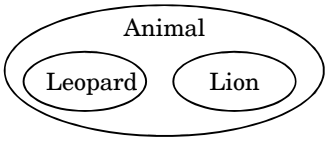
17.(c)

18.(a)



19.(a)

20.(c)



21.(c)

22.(c)

23.(a)

24.(c)

25.(d)

R → 40, 21, 02, 33, 14

A → 00, 31, 12, 43, 24

T → 55, 86, 67, 98, 79

E → 30, 11, 42, 23, 04

S → 65, 96, 77, 68, 89