09-07-21
FRIDAY
C.W

Date
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EXERCISE 10(C)

1. (i) A = {3, 6, 9, 12, 15}

(ii) B = {-4, -3, -2, -1, 0, 1, 2, 3, 4}

(iii) C = {C, S, H, O, L}

(iv) D = {11, 13, 15, 17, 19}

(v) E = {A, E, I}

(vi) F = {M, D, R, S}

2. (i) A = {2, 3, 5, 7, 11, 13, 17, 19}

(ii) A = {1, 4, 6, 8}

(iii) B = {2, 4, 6, 8}

(iv) C = {a, b, c, d, e, f, g, h}

(v) D = {b, a, s, k, e, t}

(vi) E = {jaipur, ~~jaipur~~ jajpur, jalalpur, jadia}

(vii) F = {circle, triangle, square, rectangle}

(viii) G = {O, A}

(ix) H = {1, 4, 9}

3. (i) {x: x is a ~~even~~ even number 1 < x < 11}

(ii) {y: y is a prime number less than 12}

(iii) {a: a is a month that starts with J}

(iv) {z: z is a vowel in the alphabets}

(v) {B: B is a day that starts with T}

(vi) {v: v is a number which is the squares of ~~1, 4, 9, 16, 25~~ 1 to 5}

(vii) {x: x is a multiple of 5}

4. (i) Tabular method: A = {1, 2, 3, 4, 6, 8, 12, 24}
Set-builder method: {x: x is the number that divides 24 completely}

~~(ii) Tabular method: C = {1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25}~~

(ii) Tabular method: C = {21, 23}
Set-builder method: {y: y is the ~~nos.~~ odd nos. between 20 and 35}

(iii) Tabular method: E = {C, A, L, U, T}
Set-builder method: F = {z: z is the letters used in the word CALCUTTA}

(iv) Tabular method : G = { January, Bluary, March, April }
Set-builder method : H = { B : B is the first four months of a year }

(v) Tabular method : I = { 16, 25, 36, 49, 64, 81 }
Set-builder method : I = { Z : Z is the two-digit nos. that are perfect squares }

5. (i) A = { 5, 15, 25, 35 }

(ii) F = { 18, 24, 30 }

(iii) M = { friday, saturday, sunday }

(iv) P = { august, september, november, december }

13-07-21 TUESDAY C.W

* FINITE SETS :
A set is said to be finite set if it has a limited numbeee of elements.
Ex: { 1, 2, 3, 4, 5 }

* INFINITE SETS :
A set is said to be an ifinite set if it has an unlimited no. of elements.
EX: N = { 1, 2, 3, 4, 5, 6, 7, ... }

* ENPTY/NULL SET :
It is a set that has no elements.
EX: Month with 35 days
A = { } = ∅