

Standard Set 2 Code: 430/5/2

Section	Question Number	Answer
A	1	(B) 5/7
	2	(D) 7/6
	3	(C) 1/12
	4	(B) 704 sq cm
	5	(C) 72 degree
	6	(B) 3 root 2
	7	(B) $5n-6/3$
	8	(A) 7.5
	9	(D) 26 pi r
	10	(C) Two rectangles are similar.
	11	(C) a composite number.
	12	(B) not real
	13	(B) 1/52
	14	(C) root 10
	15	(D) 4
	16	(B) $105/2$
	17	(D) $34/9$
	18	(B) 1
	19	(D) Assertion (A) is false, but Reason (R) is true.
	20	(A) Both, Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of the Assertion (A).
B	21	$a+b=2$
	22	(i) $\angle OAB=25^\circ$, (ii) $OB:OD=2:1$
	23	(a) $9/16$, (b) both side $1/\sqrt{3}$
	24	$x=2$
	25	(a) (i) $7/31$, (ii) $6/31$, (b) (i) $3/10$, (ii) $1/5$
C	26	(a) $x=3/2, 1/2$, (b) $x^2-10x+16$
	27	-
	28	(a) $n=8$, (b) 3, 7, 11
	29	44

	30	-
	31	-
D	32	Height of poles = $20\sqrt{3}$ m Distances from point = 20 m and 60 m
	33	Mean = 52.5, Mode = 64.3
	34	(iii) Area = 150 sq cm
	35	(a) $x = 10$ cm, (b) Original speed = 45 km/h
E	36	(i) 36 degree, (iii) (a) 56 m, (b) 169.54 sq m
	37	(i) $15x+30y=435$, $30x+40y=690$, (iii) Calories burned per minute on bicycle: 11 calorie
	38	(i) total height = 5cm, (ii) Volume of stem = 3.08 cm ³

Vidyaarohi Learning