TUTORIAL CENTRE

A Right Step for Best Future IC-480, Sec-3, Saltlake, 14 No Water Tank M-9883214061/9831912660

			IVI-700.	Sec 1	1712000					
Q.1	(-2,5) is a poi	int which is a so	lution of .	Sec A		(1x10)				
a)	x-y=7	b) y-x=3	c) y-x=7	d) x-y=3						
Q.2	The angle of o	quadrilateral are	in ratio 2:4:5:7 the	en four angle are.						
a)	$40^{\circ}, 80^{\circ}, 100^{\circ}$	$,140^{0}$	b) 30 ⁰ ,80 ⁰ ,10	$0^0, 150^0$						
c)	$120^{0}, 90^{0}, 80^{0}, 7$	70 ⁰ d) ľ	None							
Q.3	If AB CD is a Parallelogram with AE perp to DC, & CF perp to AD, AB=15cm,									
	AE=8 cm and CF= 10cm then AD equal to.									
a)	6 cm	b) 12 cm	c) 3 cm	d) 9	cm					
Q.4	The data 29,3	2,48,50,2x,2x+4,	72,78,84,95 is in a	scending order an	d has median=63.7	The value of x is				
a)	62	b) 31	c) 1	24	d)None					
Q.5	In a fig. the value of $\angle x + \angle y$ is.									
	0			0						
a)	50^{0}	b) 80 ⁰	c) 1	000	d) 90 ⁰					
Q.6	The ring form	ed by two conce	ntric circles is 7cm	wide. The differe	nce between circu	imferences of the two circles is.				
a)	44 cm	b) 3.5cm	c) 7 cm	d) None						
Q.7	The mean, me	edian and mode o	of 3,4,2,5,7,3,3 are	7.1						
a)	3.8,3,3	b) 3,4,3	c) 3,3,3	d) 4,3,3						
Q.8	The ratio of v	olume and surfac	e area of sphere of	f unit radius is.	1					
a)	3:4	b) 3:1	c) 1	:3	d) None					
Q.9	On 14th birthday Twinkle went to sweet shop to purchase some 'burfis' for her friends, she saw there two types rectangle and									
	parallelogram	shape burfis. W	hich shape she mu	ist purchase to acc	commodate more p	fieces in 1 Kg if perimeter & thickness of				
	both shape are	e same.								
a)	Rectangle sha	pe burfi		b) P	arallelogram shap	e burti				
c)	No matter the	shape, No of Pi	eces will same	d) Cannot sa	d					
Q.10	Cone of heigh	it 9cm and radius	/cm is melted into	o cuboid with side	s firm and form	. Its third side.				
a)	6cm	b) /cm	c) 5	cm	d) 10 cm					
0.11	Galar 7 15	2		Sec-B	· · · · · · · · · · · · · · · · · · ·	(2x8)				
Q.11	Solve /y+15=	2y +5 and repres	t as ab other ther r	rine (b) in the Car	nesian plane.					
Q.12	II the diagona	is of quad. bisco	t each other then p		paranelogram					
Q.13	PQ is chord of a circle with centre O and $\angle POQ = 60^{\circ}$ prove that PQ is of radius length.									
Q.14	Surface area of sphere is 154 sq.cm. calculate its volume.									
Q.15	Find the median of 2,7,9,13,22,20,25,24,28,27,35,40									
Q.16	Complete P(E	2) +=1	using it find	the probability of s	students passed	if 10 students are failed and total				
studen	ts are 40.									
Q.17	Find the length of chord of a circle which is at distance of 5cm from the center of circle and radius of circle is 13 cm.									
Q.18	Find the radiu	is of circle if its a	rea is equal to its c	circumfrence.						
				Secc C		(3x10)				
Q.19	In figure ABC	CD is trapezium.	BC=17 cm AB=16	b, DC=8cm, then fi	ind area of trap	ezium.				



- Q.20 Find the quantity of cold milk (in litre) served in glasses of radius =10cm and height =15 cm to 350 people.
- Q.21 What is the cyclic quad. write its property and what is the value of angle in semi circle using these concept find the value of $\angle BAC$ in cyclic quad. ABCD if $\angle D = 130^{\circ}$ and AB is a Diameter a circle
- Q.22 In the given bar graph shows the annual production of food grains in a state during the period



the circle. Using this theorem calculate $\angle AEB$ in fig if AB is a diameter and chord CD is equal to radius of circle AC and BD are produced to intersect at E.

Q31. Draw a frequency polygon for the following data:

Classes	0-20	20-40	40-60	60-80	80-100
Frequency	4	10	15	8	3

- Q.32 A hemispherical dome of a stupa needs to be painted if the circumference of the base of the dome is 17.6 m, find the cost of painting it, given the cost of painting is Rs. 250 per sq metre.
- 33. A piece of ice 3x3x12cm is placed in a hemisphemical bowl of diameter 7 cm If ice melt inot bowl will it over flow on not.