Unit 13 – Practical Geometry (Circles)

Multiple Choice Questions

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Three possible answers are given for the following questions. Tick (\checkmark) the correct answer.

1.		The circumference of a circle is (a) Chord (b) seg						
	(c)	Воц	ındary	(d)	poi	nt		
2.			ersectin gent					
		(c)	Chord		(d)	diar	nete	r
3.	and	an ar	ion of a					radi
							-	
	(C)	CHC	rd	(u)	inte	1101		
4.	Ang	le ins	cribed ir	n a semi	-circle	is:		
		$\frac{\pi}{2}$		(b)	$\frac{\pi}{3}$			
	(c)	$\frac{\pi}{4}$		(d)	π			
5.	The	lengt	h of th	e diam	eter (of a	circl	e is

how	many	times the	radiu	is of the	circle?	
(a)	1		(b)	2		

(c) 3 (d) 4

6. The tangent and radius of a circle at the point of contact are:

(a) Parallel

(b) Not perpendicular

(c) Perpendicular

(d) Collinear

7.	Circle (a)	es having three Overlapping	point	s in common		13.		lengths o	f two 1	transv	erse tange	ents to	а
	(b)	Collinear				E STATE OF	(a)	Un equa	al	(b)	equal		
	(c)	Not coincide					(c)	Overlap	ping				
	(d)	Non-concentr	ic				(d)	Double	of eac	h oth	er		
8.		wo circles to er and point of Coincident		each other, f ct are: non collinear	their	14.		many ta t outside 1			be draw	n fror	n a
	(c)	Collinear	(d)	non co planer	2		(c)	3		(d)	none		
9.		The measure of the external angle of a regular hexagon is: (a) $\frac{\pi}{3}$ (b) $\frac{\pi}{4}$					If the distance between the center of two circles is equal to the sum of the their radii, then the circles will: (a) Intersect						
	(c)	$\frac{\pi}{6}$	(d)	π			(b)	Do not i	nterse	ct			
	(c)	6	(u)	7.0			(c)	Touch e	ach ot	her e	xternally	er of two the their	
10.				ircum-centre d	of a		(d)	Touch e	ach ot	her ir	nternally		
	(a)	gle coincide, th An isosceles		ngie is:		16.					es externa neir center		
	(b)	A right triangl					to th	e: Differer	so of t	hoir	radii		
	(c)	An equilateral					(a)	Sum of			auli		
	(d)	A scalene tria	4,000					Product			radii		
11.		measure of t lar octagon is:	the ex	ternal angle	of a		(c)	Division					
	(a)	π	(b)	$\frac{\pi}{}$		1.7	(d)					100000	T.
		4		6		17.		many n for two 1				can	be
	(c)	$\frac{\pi}{8}$	(d)	π			(c)	3		(d)	4		
12.	diam (a)	eter of a circle Parallel	are: (b)	end points of	5	18.	How			non	tangents	can	be
	(c)	Intersecting	(d)	non co planer			(c)	3		(d)	4		

19.	How	many	common	tangents	can	be
	draw	n for two	intersectir	ng circles?		
	(a)	1	(b)	2		
	(c)	3	(d)	4		

- 20. The word geometry is derived from two ___ words Geo and Matron.
 - (a) English (b) Latin
 - (c) Greek (d) Chinese
- 21. Euclid was a ___ mathematician.
 - (a) English (b) Latin
 - (c) Greek (d) Chinese
- 22. The circle passing through vertices of a triangle is called:
 - (a) circus circle (b) in-circle
 - (c) Escribed circle (d) right circle
- 23. The circle which touches the three sides of a triangle is called:
 - (a) circus circle (b) in-circle
 - (c) Escribed circle (d) right circle
- 24. The circle touching one side of the triangle externally and two produced sides internally is called:
 - (a) circus circle (b) in-circle
 - (c) Escribed circle (d) right circle
- 25. Tangent is a line touching a circle at:
 - (a) No point
- (b) one point
- (c) Two points
- (d) infinite points
- 26. Two circles of different radii can touch each other at:
 - (a) No point
- (b) one point
- (c) Two points
- (d) infinite points
- 27. Two circles of same radii can touch each other at:
 - (a) No point
- (b) one point
- (c) Two points
- (d) infinite points

1.	С	2.	b	3.	а	4.	а	5.	b
6.	С	7.	а	8.	С	9.	а	10.	С
11.	a	12.	а	13.	b	14.	b	15.	С
16.	b	17.	С	18.	d	19.	b	20.	С
21.	С	22.	а	23.	b	24.	С	25.	b
26.	b	27.	d						