Time: 2 Hour	Godavari Complex Contact N	olutions Pvt. Ltd. , Hingna T-Point, Nagpur No: 9766616435 solutions@gmail.com	Total Marks: 45
Class : VIII Subject : Mathemati	cs		
MCQ SINGLE CORF	RECT		
1. The sum of first n	odd natural numbers is		
(a) 2n+1	(b) n ²		
(c) $n^2 - 1$	(d) $n^2 + 1$		
2. Side of a square of the square in the squ	-	e used to draw its picture is	1cm: 5m, the perimeter
(a) 20 cm		(b) 24 cm	
(c) 28 cm		(d) 30 cm	
3. PQRS is a trapez	ium in which PQ SR and	P=130°, Q=110°. Then	R is equal to:
(a) 70°		(b) 50°	
(c) 65°		(d) 55°	
4. If x = a, then whice (a) kx = ak	ch of the following is not al	ways true for an integer k. (b) $\frac{x}{k} = \frac{a}{k}$	Pvt Lt
(c) x − k = a − k		(d) x + k = a + k	
5. In a solid if $F = V$	= 5, then the number of ea	dges in this shape is	
(a) 6		(b) 4	
(c) 8		(d) 2	
TRUE/FALSE			
6. $(3x + 3x^2) + 3x = 3$	x ²		
(a) True	(b) False		
7. Cube roots of 8 ar	re +2 and -2.		
(a) True	(b) False		
8. A polyhedron can	have 10 faces, 20 edges	and 15 vertices.	
(a) True	(b) False		
9. All angles of a traj	pezium are equal.		
		All The Best!!	!

(8	True (b) False				
10. A rhombus can be constructed uniquely if both diagonals are given.					
(a) True (b) False					
<u>FILL</u>	N THE BLANKS				
11.	Amrita takes 18 hours to travel 720 kilometres. Time taken by her to travel 360 kilometres is				
12.	is a closed curve entirely made up of line segments. Another name for this shape is				
13.					
14. 15. <u>VEF</u>	The representation of an expression as the product of its factors is called There are perfect cubes between 1 and 1000. SHORT DESC				
16. 17.	actorise the following expression : $1 \times \frac{-2}{5}$ $5m^2 + 30m + 9$				
18.	and the value of : $B^0 + 4^{-1}$) × 2 ²				
19.	^{19.} Find the multiplicative inverse of the following : $\frac{-13}{19}$				
20.	20. Factorise the following expression : $(I + m)^2 - 4Im$				
<u>SHC</u>	T DESC - 25 WORDS				
21.	ind the product : x (3x + 5xy)				
22.	epresent $\frac{-2}{11}$, $\frac{-5}{11}$, $\frac{-9}{11}$ on a number line.				
23.	23. Divide the given polynomial by the given monomial. $(3y^8 - 4y^6 + 5y^4) \div y^4$				
24.	and the common factors of the given terms : x , $3x^2$, 4				
	2				

25. Solve the following equation :

$$\frac{x}{3} + 1 = \frac{7}{15}$$

MED DESC - 50 WORDS

- 26. The perimeter of a rectangular swimming pool is 154 m. Its length is 2 m more than twice its breadth. What are the length and the breadth of the pool ?
- 27. Kamala borrowed Rs. 26400 from a bank to buy a scooter at a rate of 15% p.a. compounded yearly. What amount will she pay at the end of 2 years and 4 months to clear the loan ?
- 28. Find the product : $(p^2 q^2) (2p + q)$
- 29. By what percent is Rs. 2000 less than Rs. 2400 ? Is it the same as the percent by which Rs. 2400 is more than Rs. 2000 ?
- 30. Solve the following equation :

 $\frac{7y+4}{y+2} = \frac{-4}{3}$

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