

# GOVT. DEGREE COLLEGE HINGORJA

Test Paper - Subject: Combined (undefined)

Date:		Time:	
Instructor:	undefined	Duration:	undefined
Max Marks:	199	Min Marks:	299
Class:	undefined		

STUDENT NAME: \_\_\_\_\_

SECTION: \_\_\_\_\_

- In decreasing price of a motor bike by 10% number of bikes sold is increased by 10%. What is the change in overall sales?  
A) Increases  
B) Decreases  
C) remains same  
D) may increase or may decrease
- The radius of circle is increased by 20% its area is increased by:  
A) 44%  
B) 40%  
C) 20%  
D) no change
- A 30-ounce solution is 25% alcohol. If 60-ounces of water are added to it what percent of the new solution is alcohol?  
A) 8%  
B) 8.33%  
C) 8.35%  
D) 8.50%
- 80% of the workers working in a company wear jeans. Of these 20% wear jeans that are black what percent of the workers wear jeans that are not black?  
A) 30%  
B) 60.00%  
C) 60.55%  
D) 64%
- Two trains travel in the same direction at 50 km/h and 32 km/h. A man in slower train observes that the faster train passes him in 15 seconds. The length of faster train is:  
A) 75m  
B) 100m  
C) 150m  
D) 341.66m
- A train 110 meters long passes a telegraph pole in 3 seconds. How long will it take to cross a platform 165 meters long?  
A) 4 seconds  
B) 4.5 seconds  
C) 7 seconds  
D) 10 seconds
- Two trains for Lahore leave Rawalpindi at 8:30 AM and 9:00 AM and travel at 60 km/h and 70 km/h. How many kilometers from Rawalpindi will the two trains be together.  
A) 100 km  
B) 190 km  
C) 210 km  
D) 150 km
- A train traveling at 36 km/h took 10 seconds to pass a stationary man. What was the length of the train?  
A) 45m  
B) 80m  
C) 100m  
D) 110m
- A train 100 meters long traveling at 48 km/h completely crosses a bridge in 30 seconds. How long is the bridge:  
A) 100m  
B) 150m  
C) 200m  
D) 300m
- If part of tank filled in one hour =  $\frac{1}{10}$  then time required to fill the tank.  
A) 8 hours  
B) 12 hours  
C) 10 hours  
D) 15 hours
- An inlet pipe can fill a tank in 10 hrs and an outlet pipe empties the same full tank in 20 hrs. The time required to fill the tank when both pipes are opened.  
A) 10 hrs  
B) 20 hrs
- The number of significant figures in 0.01010, 2.000 and 50.00  
A) 4, 4, 4  
B) 6, 4, 4  
C) 5, 1, 4  
D) 5, 4, 2
- Good Report answer 2 SF  
A) 10  
B) 100  
C) 100.  
D) NOT
- which is chemical symbol of tungsten elements  
A) T  
B) Tl  
C) W  
D) Tu
- correct name of  $Mg(NO_3)_2$   
A) Magnesium nitrate  
B) Magnesium nitrite  
C) Magnesium nitro  
D) Magnesium nitrile

16. free Radical contain

A) ve charge

D) odd number of electron

C) even number electron

17. combining capacity of nitrogen

A) +2

C) +3

B) -2

D) -3

18. Chemistry is the branch of

A) physical

C) natural

B) chemical

D) biological

19. correct formula of magnesium phosphate  
 A)  $\text{MgSO}_4$   
 C)  $\text{Mg}_3(\text{PO}_4)_2$   
 B)  $\text{CaSO}_4$   
 D)  $\text{MgPO}_4$
20. 2 mole of nitrogen gas contain  
 A) 28g  
 C) 14g  
 B)  $4N_A$  atoms of nitrogen  
 D) 42g
21. meaning of mole  
 A) unit  
 C) pile  
 B) particle  
 D) nano
22. which is example of mono atomic molecule  
 A) nitrogen  
 C) neon  
 B) bromine  
 D) iodine
23. 4 moles of hydrogen gives ..... moles of water  
 A) one  
 C) three  
 B) two  
 D) four
24. Concept of relative atomic mas given by  
 A) Dalton  
 C) Avogadro's  
 B) J. Thomson  
 D) NOT
25. 8kg of water contain ..... grams of hydrogen  
 A) 222g  
 C) 1000g  
 B) 444g  
 D) 888g
26. Find out mass of  $\text{CO}_2$ ?  $\text{CaCO}_3$  which is 50% pure decompose completely  
 A) 11g  
 C) 5.5g  
 B) 22g  
 D) NOT
27. plus on reactant side called  
 A) react with  
 C) what  
 B) and  
 D) AOT
28. number of atoms of oxygen in 45g of glucose  
 A)  $7.4 \times 10^{23}$   
 C)  $9.03 \times 10^{22}$   
 B)  $3.01 \times 10^{23}$   
 D)  $2.8 \times 10^{22}$
29. How many moles of oxygen in 45 liters  
 A) 1  
 C) 3  
 B) 2  
 D) 5
30. 20g of oxygen react with 30g nitrogen to ammonia which is limiting and excess respectively  
 A)  $\text{O}_2$  and  $\text{N}_2$   
 C) both consume at same time  
 B)  $\text{N}_2$  and  $\text{O}_2$
31. if atom loss electron carry ..... charge  
 A) +ve  
 C) no charge  
 B) -ve  
 D) NOT
32. 40g  $\text{SO}_3$  Produce .....  $\text{dm}^3$  of oxygen  
 A)  $5.6 \text{ dm}^3$   
 C)  $22.4 \text{ dm}^3$   
 B)  $11.2 \text{ dm}^3$   
 D)  $33.6 \text{ dm}^3$
33. actual yield always ..... than practical yield  
 A) less  
 C) equal  
 B) greater  
 D) AOT
34. 4g of nitrogen and 4g of hydrogen produce .....  $\text{NH}_3$  grams  
 A) 8g  
 C) 22.6g  
 B) 5g  
 D) 11g
35. find out percentage yield of  $\text{CO}_2$  when 50g  $\text{CaCO}_3$  gives only 6g  
 A) 27%  
 C) 17%  
 B) 50%  
 D) 25%
36. 20ml of oxygen react with 20ml hydrogen to form ammonia which is L.R.  
 A) Hydrogen  
 C) water  
 B) oxygen  
 D) NOT