

**AP EAPCET 2022 July 4 Question Paper (Memory-Based)**

1. Negation of P and Q
2. Which element has the highest photo-electric effect?
3. 1 AMU is equal to
4. Find radial and angular nodes of 4f
5. The range of a colloidal particle is
6. What is the atomic weight of Ca?
7. How many electrons are there in  $\text{SO}_4^{2-}$ ?
8. What is the unit of work?
9. Who discovered the electron?
10. General electronic configuration of f-block elements
11. Which metal has the highest work function?
12. What is the formula for angular nodes?
13. Which element exhibits a diagonal relationship with lithium?
14. The number of bridged ligands present in  $\text{Co}_2(\text{CO})_8$  is 1) 3 2) 2 3) 4 4) 6
15. How many electrons present in  $n=4$  and  $l=2$  is
16. Pernicious anemia is caused due to lack of which vitamin
17. Number of electrons with  $n=4$  and  $l=3$
18. Hund's rule is an example of which type of rxn
19. The ratio of the radii of the first three Bohr orbits is
20.  $1, \omega, \omega^2$  be the cube roots of unity what is the value of  $(1-\omega+\omega^{-1})^5 - 2(1+\omega-\omega^2)^4 =$
21. Write the chemical reaction of Aceto di phenone
22. Highest photoelectric effect metal
23. How many electrons are there in p-type semiconductors
24. What are the drawbacks of De Broglie wave equation
25. The range of colloidal particles is
26. Hybridisation of  $sp^6$  is
27. Which of the following is an example of bidentate ligands.  
(1) glycinate ion

- (2) ethylene diamine
- (3) oxalate ion
- (4) all of the above

28. What is the example for anomers?

29. The no of diagonals of a polygon is 560 then find (n) is \_\_\_\_\_ Answer is "35"