Aligarh Institute of Technology, Karachi

DAE Admission Model Test Paper 2023-24

Committed to Excellence

1. Which Planet is the nearest from the Earth.
   a) Jupiter b) Neptune c) Mars d) Pluto
2. Which is the biggest Company of Computer Software Development?
   a) Dell b) Intel c) Microsoft d) None of these
3. The second form of "smell" is
   a) Smelled b) Smell c) Smallest d) Smelt
4. Lahore is famous ____its Historical Buildings.
   a) By b) at c) in d) for
5. According to Newton second law.
   a) Fa=m b) F=ma c) $V_f^2 - V_i^2 = 2as$ d) T=ma
6. The vertical component of vector is
   a) F Sin Θ b) F Cos Θ c) F Tan Θ d) F Cot Θ
7. The value of "g" is
   a) 9.8m/sec^2 b) 9.2 m/ sec^2 c) 10.1 m/ sec^2 d) 8.9m/ sec^2
8. The flow of electron is called
   a) Resistance b) Voltage c) Velocity d) Current
9. The chemical name of Sodium Chloride is
   a) Na2cl b) Nacl2 c) Nacl d) NaCa
10. The valency of oxygen is
    a) 8 b) 5 c) 4 d) 2
11. There are ___group of Atom in periodic Table.
    a) 3 b) 4 c) 5 d) 7
12. The SI Unit of Temperature is
    a) Celsius b) Fahrenheit c) Kelvin d) None of these
13. 2,6,10,12,3,9 (Find Arithmetic Mean)
    a) 7 b) 8 c) 9 d) 3
14. If in a right-angle triangle, a=5, b= 2 √6, find c
    a) 3 b) 7 c)8 d)6
15. If U= {1,2,3.....10}, A= {2,4,5,7,9} Find A' (A Compliment)
    a) A' = {2,5,7} b) A' = {3,5,7} c) A' = {1,3,6,8,10} d) None of these.
16. The radius of Circle, if area is 25 π
    a) 5 b) 3 c) 6 d) 8
17. The angle of a triangle is 2X, 7X And 6X Find X:
    a) 15^0 b) 20^0 c) 12^0 d) 30^0
18. Sec Θ -Tan Θ Sin Θ (Simplify)
    a) Tan Θ b) Sec Θ c) Cos Θ d) Sin Θ
19. $X=\log_5 25$ (Find Value of X)
    a) 2 b) 8 c) 9 d) 3
20. 1/ (x+2) – 2 = 1/x (Find value of X)

a) 4 b) -3 c)2 d) -1