

**Q1. Which of the following bacteria is found in Ganga water ?**

- (a) Coliform bacteria
- (b) Streptococcus bacteria
- (c) Staphylococcus bacteria
- (d) Diplococcus bacteria

**Q2. The presence of starch in raw food can be tested with**

- (a) Dil Iodine solution
- (b) Dil HCl solution
- (c) Dil NaOH solution
- (d) All of these

**Q3. How many times a solution of pH = 3 be diluted to get a solution of pH = 6 ?**

- (a) 2
- (b) 10
- (c) 100
- (d) 1000

**Q4. The acid present in the ant sting is**

- (a) Ethanoic acid
- (b) Methanoic acid
- (c) Citric acid
- (d) Tarteric acid

**Q5. Which of the following is a sulfide ore ?**

- (a) Bauxite
- (b) Heamatite
- (c) Cuprite
- (d) Iron pyrites

**Q6. Which of the following does not conduct electricity ?**

- (a) Fused NaCl
- (b) Solid NaCl
- (c) Brine solution
- (d) Copper

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 **UPTET 2018**  
**PAPER - I**

**20 TOTAL TESTS**

- 5 FULL LENGTH MOCKS
- 15 PRACTICE SETS

**Q7. In moving from outer most shell to inner most shell, the energy of shells**

- (a) increases
- (b) decreases
- (c) remains same
- (d) Cannot be predicted

**Q8. An element X shows a valency of 3 and 5. The formula of its sulphides in the two states are respectively**

- (a) XS, XS<sub>3</sub>
- (b) XS<sub>3</sub>XS<sub>5</sub>
- (c) X<sub>3</sub>S, X<sub>5</sub>S
- (d) X<sub>2</sub>S<sub>3</sub>, X<sub>2</sub>S<sub>5</sub>

**Q9. Metal which is a constituent of Haemoglobin ?**

- (a) Cu
- (b) Al
- (c) Zn
- (d) Fe

**Q10. Which of the following is used for making insulation of electric wires ?**

- (a) bakelite
- (b) isoprene
- (c) neoprene
- (d) Thiokol

**Q11. The evaporation of water takes place from the leaves of the plants. The process is called**

- (a) evaporation
- (b) transpiration
- (c) dehumidification
- (d) fumigation

**Q12. If the energy available to the plants from the sun is 20000J. What would be the energy available to the lion in the food chain, Plant → Dear → Lion**

- (a) 20J
- (b) 200J
- (c) 2000J
- (d) 20000J

**Q13. Copper obtained from copper pyrite is called blister copper. Gas responsible for the**

- (a) CO<sub>2</sub>
- (b) CO
- (c) NO<sub>2</sub>
- (d) SO<sub>2</sub>

**Q14. Arrange methane, ethane, propane and butane in order of increasing boiling points**

- (a) butane<propane<ethane<methane
- (b) ethane<methane<propane<butane
- (c) methane<ethane<propane<butane
- (d) methane>ethane<propane<butane

**Q15. An atom of calcium has a mass of  $6.64 \times 10^{-23}$ g. The number of calcium atom present in 10 g of calcium is**

- (a)  $1.5 \times 10^{23}$
- (b)  $1.5 \times 10^{-23}$
- (c)  $6.023 \times 10^{23}$
- (d)  $2.4 \times 10^{24}$

**Q16. A metal X is low in the reactivity series X can be obtained from its compounds by**

- (a) reduction by heating
- (b) heating with reducing agent
- (c) electrolytic reduction
- (d) None of the above

**Q17. The process of separating suspended impurities from water is known as**

- (a) loading
- (b) unloading
- (c) distillation
- (d) demineralization

**Q18. Which two of the following compounds belong to the same homologous series ?**

- (a)  $C_2H_6O_2$  and  $C_2H_6O$
- (b)  $C_6H_6O_2$  and  $CH_4O$
- (c)  $C_2H_6O$  and  $CH_4O$
- (d)  $C_2H_6O$  and  $C_2H_6$

**Q19. A cart of mass 500kg is pulled by a horse and acceleration produced in it is  $4m/s^2$ . The force exerted by the horse is**

- (a) 2000 N
- (b) 2000 kgwt
- (c) 2000 dynes
- (d) None of these

**Q20. A body of mass 2 kg is thrown up vertically with a kinetic energy of 490J. The height at which the kinetic energy of the body becomes half of the initial value is ( $g = 9.8m/s^2$ )**

- (a) 10m
- (b) 12.5m
- (c) 25m
- (d) 50m

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**Q21. A magnetic field line**

- (a) is the path along which a free North pole tend to move
- (b) is the path along which a free iron particle tends to move
- (c) Is the path along which a magnetic needle tends to move
- (d) is the path along which a line is traced

**Q22. A body in uniform motion in one dimension moves from a position  $X_1$  at time  $t_1$  to another position  $X_2$  at time  $t_2$ . Which of the statement is wrong for this motion ?**

- (a) Actual distance covered in time  $t_1$  to  $t_1$  is magnitude of displacement
- (b) The velocity calculated by making any choices for  $t_1$  and  $t_2$  always give the same result
- (c) A larger value of the difference  $t_2 - t_1$  will give a small value of velocity because velocity is obtained by dividing  $t_2 - t_1$
- (d) A larger value of  $X_2 - X_1$  will give same value of velocity as a smaller value

**Q23. A 1000 w heater is used every day for 90 min. This heater will consume unites of electrical energy in 30 days**

- (a) 45 units
- (b) 90 units
- (c) 30 units
- (d) 60 units

**Q24. If the diameter of the Earth becomes tow times its present value and its mass remains unchanged, then the weight of an object on the surface of the Earth becomes**

- (a) one eighth
- (b) one fourth
- (c) half
- (d) remains same

**Q25. The direction of force acting on a current carrying conductor placed in magnetic field is determined by**

- (a) right hand thumb rule
- (b) cork screw rule
- (c) Fleming's right hand rule
- (d) Fleming's left hand rule

**Q26. Which part of the eye is adjustable in accordant with the light conditions ?**

- (a) Iris
- (b) Retina
- (c) Pupil
- (d) Lens

**Q27. There is no atmosphere on the moon because**

- (a) it is close to the Earth
- (b) it revolves around the Earth
- (c) its acceleration due to gravity is low
- (d) its acceleration due to gravity is high

**Q28. If the mass of both the bodies is reduced to half. The gravitational force between them becomes**

- (a) double
- (b) four times
- (c) one fourth
- (d) one-half

**Q29. Which colour component of white light is deviated the most through a prism ?**

- (a) Red
- (b) Yellow
- (c) Blue
- (d) Violet

**Q30. A body moving in a circle travels distance which is directly proportional to time. The body travels with**

- (a) zero velocity
- (b) constant speed
- (c) uniform velocity
- (d) constant acceleration



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