*1)Which of the following is not a piezo electric crystal?*

*a)quartz*

*b)zinc blende*

*c)sodium trichloride*

*d)sodium potassium tarta-rate*

*ans c*

*2)untrasonics cannot be detected by which of the following method??*

*a)piezo electric detector*

*b)acoustic diffraction method*

*c)thermal detector*

*d)magnetic pressure method*

*ans d*

*3)a sudden fall in barometer reading indicates---*

*a)clear weather*

*b)hailstorm*

*c)storm*

*d)heavy rainfall*

*ans c*

*4)the colour of the oceans appears blue because the sunlight falling on it is:*

*a.reflected*

*b.refracted*

*c.absorbed*

*d.scattered*

*ans d*

*5)magnetic field does not interact with*

*a.stationary charge*

*b.motive charge*

*c.stationary permanent magnets*

*d.moving permanent magnets*

*ans a*

*6)the Raman effect is used in the study of---*

*a.x rays*

*b.cells*

*c.chromosomes*

*d.molecular energy*

*ans d*

*7)a plant with green leaves placed in red light will appear—*

*a.black*

*b.green*

*c.red*

*d.violet*

*ans a*

*8)the total energy radiated from a black body is equal to the fourth power of absolute temperature*

*What is this law known as---*

*a.newton’s law*

*b.stefan’s law*

*c. dalton’s law*

*d.hooke’s law*

*ans b*

*9)which of the following is not an example of a biaxial crystal(wrt doubly refracting crystals)*

*a.argonite*

*b.cane sugar*

*c.topaz*

*d.calcite*

*ans d*

*10.the property of certain crystals (doubly refracting)to absorb ordinary and extraordinary rays unequally .this property is called as:*

*Dichroism*

*11.when a coil of wire is rotated in a uniform magnetic field, a/an*

*a.alternating emf of constant amplitude is generated*

*b.direct current of various emf is generated*

*c. alternating emf of varying frequency is generated*

*d.direct current of varying emf is generated*

*ans a*

*12)the Indian scientist whose name is associated with certain type of elementary paricle is:*

*a.Raman*

*b.Bose*

*c.Chandrashekhar*

*d.Saha*

|  |  |
| --- | --- |
| 13. | Which scientist discovered the radioactive element radium? |
| |  |  | | --- | --- | | [A.](javascript:%20void%200;) | Isaac Newton | | [B.](javascript:%20void%200;) | Albert Einstein | | [C.](javascript:%20void%200;) | Benjamin Franklin | | [D.](javascript:%20void%200;) | Marie Curie | |

*Ans d*

|  |  |
| --- | --- |
| 14. | Who invented Gunpowder? |
| |  |  | | --- | --- | | [A.](javascript:%20void%200;) | G. Ferdinand Von Zeppelin | | [B.](javascript:%20void%200;) | Sir Frank Whittle | | [C.](javascript:%20void%200;) | Roger Bacon | | [D.](javascript:%20void%200;) | Leo H Baekeland | |

*Ans c*

|  |  |
| --- | --- |
| 15. | What Benjamin Franklin invented? |
| |  |  | | --- | --- | | [A.](javascript:%20void%200;) | Bifocal spectacles | | [B.](javascript:%20void%200;) | Radio | | [C.](javascript:%20void%200;) | Barometer | | [D.](javascript:%20void%200;) | Hygrometer | |

*Ans a*