**PHYSICS**

NAME ................................ SCHOOL .................................

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| SR.  # | QUESTIONS | A | B | C | D |
| 1. | **Value of g increases with the:** | Increase in the mass of body | Decrease in altitude | Increase in altitude | None of these |
| 2. | **What is the mass of earth:** | 6×1024kg | 6.0×1024kg | Both a & b | 6×10-24kg |
| 3. | **The energy stored in Dam is:** | Electrical energy | Thermal energy | Potential energy | Kinetic energy |
| 4. | **Rate of doing work is called:** | Torque | Power | Momentum | Energy |
| 5. | **Which graph does not obey Hook’s law?** | d  t | d  t | d  t | d  t |
| 6. | **What is the unit of strain?** | No unit | Nm-2 | Nm-1 | Non these |
| 7. | **Water freezes at:** | 0ºF | 32ºF | -273ºK | 0ºK |
| 8. | **The degree of hotness or coldness of a body is called:** | Freezing point | Temperature | Biological point | Thermometer |
| 9. | **Land and sea breeze are the result of :** | Radiation | Convection | Conduction | None of these |
| 10. | **βr= βa+…..:** | βg | βb | βc | All of these |
| 11. | **The melting point of Gold is:** | 1083ºC | 1093ºC | 1073ºC | 1063ºC |
| 12. | **Heat from the fireplaces reaches us by ….:** | Convection | Radiation | Conduction | Light |
| 13. | **The work done will be zero when the angle between the force and the distance is:** | 60º | 45º | 180º | 90º |
| 14. | **In which of the given state molecules do not leave their position:** | liquid | Solid | Gas | Plasma |
| 15. | **Normal human body temperature is:** | 36º | 37º | 38 º | 39 º |
| 16. | **At maximum height potential energy is …….. :** | Low | high | partial | None of these |
| 17. | **What will be the value β for a solid for which the value of α is 2×10-5k-1 ?** | 2×10-5k-1 | 8×10-15k-1 | 6×10-5k-1 | 8×10-5k-1 |
| 18. | **Which of the material large specific heat?** | Coper | Water | Mercury | Ice |
| 19. | **βr= βa+…..:** | βa | βg | βb | βc |
| 20. | **At maximum height potential energy is …….. :** | Low | high | partial | None of these |

***Shot Questions***

***1.*** *What is the value of G and write the factors on which it depends?*

***2.*** *What is satellite and write the names of any two types of satellite?*

***3.*** *What is relationship between Newton’s second law and gravitation law?*

***4****. Define the unit of work.*

***5.*** *Write a short note on geothermal energy?*

***6****.Write down the names any five devices which is used to convert electrical energy into mechanical energy.*

**7.** Define density and its relationship with mass and volume.

**8.** State Pascal’s law.

**9**. State hook’s law.

**10**.What is temperature and explain it?