| Physics, 11th, July(2020) Name: | , ID: | | | |
|--|--|----------------|--|--|
| Paper: <u>Physics</u> | | Total Marks:40 | | |
| Month Test:July | TO THE POST OF THE | Obt. Marks: | | |
| Theme/Unit: | * SINCE 1900 | Grand Total:40 | | |
| Objective / Subjective: | ID: | Time: | | |
| Name: | class: <u>11th</u> | Section: | | |
| | | | | |
| Encircle the correct options. | /15 | | | |
| 1. The dot product of Force and displacement is. | | | | |
| a) Torque | c) Displace | ment | | |
| b) Work | d) Force | | | |
| 2.Suplimentry units are. | | | | |
| a) 2 | c) 4 | | | |
| b) 3 | d) 5 | | | |
| 3. which is base quantity. | | | | |
| a) Time | c) power | | | |
| b) Force | d) velocity | | | |
| 4. SI unit of intensity of light. | | | | |
| a) ampere | c) candela | | | |
| b) mole | d) joule | | | |
| 5.Number of significant figure in 01.020mm are. | | | | |
| a) 2 | c) 4 | | | |
| b) 3 | d) 5 | | | |
| 6. A vector in space has compo | onents. | | | |
| a) 1 | c) 3 | | | |
| b) 2 | d) 4 | | | |
| 7. Which one is vector quantity. | | | | |
| a) length | c) velocity | | | |
| b) volume | d) work | | | |
| | | | | |

Physics, 11th, July(2020) Name: __

| Q:2. Answer these following shor | t questions. | (7×2) | | |
|---|--------------|-------|--|--|
| 1.Write the dimension of pressure and density. | | | | |
| 2.Define Radian and Steradian. | | | | |
| 3.work is the dot product of Force and displacement how we can prove. | | | | |
| 4.Define Torque and write its unit. | | | | |
| 5.Is it possible to add scalar quantity into vector. | | | | |
| 6.Two vectors A1×A2=0 write the there possible condition in which these vector gives us zero value. | | | | |
| 7.can a vector magnitude greater than its rectangular components. Explain | | | | |
| Q:3: Long Questions. | (6+5) | | | |
| (a) Write and explain with the help of characteristics Scalar or Dot product. (6) | | | | |
| (b) Prove the Famous Einstein equation E=mc^2 is dimensionally correct. (5) | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

, ID:

3 Physics, 11th, July(2020) Name: