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| | Name: ShreerangMhatre. Class: Mechanics Proctical |
| 2.5 | Roll no : 111056 Processing the Processing to th |
| (0) | submitted to: Arunabh Pandey sir |
| | Experimenta No-4 lady of a |
| bard | Stody of Curvillinear Motion. |
| 8 | WHEATH & boage Hood & somewall in all Kart |
| 500 | a path, whereas velocity is the rate of direction of an abjects movement |
| | Loter interestion? |
| 070 | - millingal Acceleration - We appayed force early and and |
| Saifin | boy contineed bove drawing a value of the body con a track of the body control of the body |
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| * | Questions- sylavy provide smov |
| (Carly) | what are the different frames of references |
| (81) | used in curvilinear motion? |
| | |
| Ans- | There are two types of frames of references |
| | used in curvilinear motion, they are- |
| | Inertial frame of reference. |
| 2 | Non-inertial frame of reference. |
| | Stody of Crysillingar Motors |
| (82) |) What is the difference between volocity and |
| | speed? |
| Ans- | The difference is that, speed is the time |
| 1 | rate at which an object is moving along |
| | direction of an objects movement. |
| | Joyca a Tivo vericei) |
| (23) | what is centrifugal and contripetal |
| | acceleration? |
| Anci | Woodsi Lucal A ala li |
| HIS | the apparent force equal and opposite |
| | to the contributal force early and opposite body away from the center of rotation |
| | caused by the inadion |
| | caused by the inertia of the body. |
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| 6) | conhipetal Acceleration- |
| | a circular path is called contribetal |
| 054) | what is the coviolis component of acceleration in a polar coordinate system? |
| Ans- | to the votation of the earth, experienced by particles moving along earth's sorteres |
| <u>&5)</u> | The tangential component of acceleration gives us the idea of the rate of change of the magnitude of the velocity vector. |
| (%6) | onstant velocity". will there be any acceleration? |
| Ans-> | In the case of a particle moving on a curved path, the direction of the velocity is continually changing and thus the particle has acceleration. The magnitude of velocity 16 not changing but the direction of velocity 16 continually changing. |
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