| QF | CODE: 203008 | Reg. No: |
|---|--|------------------------------|
| | Second B.Pharm (Ayurveda) Degree I Physical Pharr | |
| | | Total Marks: 100 |
| Ess | Answer all questions. | (2x10=20) |
| 1. | Define rheology. Explain the construction, principle viscometers | ciple and working of any two |
| 2. | Explain electrical properties of colloids | |
| An | swer briefly: | (10x5=50) |
| 3. | Noyes Whitney equation governing rate of diss | olution |
| 4. | Creaming of emulsions | |
| 5. | Explain Freundlich adsorption isotherm and its | application |
| 6. | Andreasen pipette | |
| 7. | HLB scale | |
| 8. | Solubilisation | |
| 9. | Classify colloids | |
| 10 | State Fick's first law of diffusion | |
| 11 | Adsorption isotherms | |
| 12 | Accelerated stability studies | |
| Sh | ort notes: | (10x3=30) |
| 13 | Plastic flow of fluids | |
| 14 | .Suspending agents | |
| 15 | .Classify surfactants based on their applications | i e |
| 16. Method to determine particle volume of powders | | |
| 17. Application of polymers | | |
| 18. Any one method to determine surface tension | | |
| 19. Kinetics of zero order reaction | | |
| 20.Factors affecting solubility of gases in liquids | | |
| 21. Lyophobic colloids | | |
| 22 | Discuss methods to stabilize drugs from hydrol | ytic degradation |
