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| SLNO. | Topics | Student Name |
| 1 | How **adrenaline** works at beta receptor, Discuss in light of GPCR pathway.  | Kawar,  Nobina, Chandan Dabnath |
| 2 | Illustrate the mode of action of **ranitidine** depicting related GPCR pathway. What are the adverse effect of chronic PPI therapy? | Nasir, Shamim, Rajek |
| 3 | **Vasodilation** mechanism in smooth muscle via parasympathetic innervation. Diseases associated with cholinergic receptor dysfunction. | **Shaheen, Tamanna,** Zannatul |
| 4 | Represent the pharmacodynamics of **Amlodipine** with specific GPCR pathway. Note on alpha1 receptor subtypes with clinical indications. | Ashraf, Jahid, Shuvo |
| 5 | Mechanism of **Verapamil** with specific GPCR pathway. Differentiate the activity of **amlodipine and verapamil.**  | Munni, Tarek, BELAL |
| 6 | Classify adrenergic and cholinergic receptors with all sub-division and locations. | Nadimun Nahar, Sumi, Afifa, |
| 7 | Why **levopopa and carbidopa** co administered? Justify properly.  | **Tuhin, Tonmoy, Sumon** |
| 8 | Show how **ipratropium bromide** exerts its action in light of GPCR pathway. Mentions its clinical uses. | Sharmin,  Mizanur (317), Abu Saleh  |
| 9 | Mechanism of **Clonidine** with specific GPCR pathway. Note on alpha receptor subtypes. | Al- Amin, Mizanur (344), HOSNE ARA FATEMA |
| 10 | Pharmacodynamics of **prazosin** with specific GPCR pathway. Note on alpha receptor subtypes. | Nipa Chakroburty, Zahed Hossen, Meherun Nesa |
| 11 | Mode of action of **Atenolol** with specific GPCR pathway. Note on muscarinic receptor. | Rakibul, Sujana Al- Erfan,  Jubayer |
| 12 | How **salbutamol** works to treat asthma, Discuss in light of GPCR pathway. Note on Muscarinic receptor. | Paushi Sarker, Masud. |