SLIP 1 (PRACTICAL NO 01)

SEAT NO. **8201,8208,8215,8222,8229,8237,8244,8251**

| 1 | Create a map of your own residential area<br>    1. Add 4 Area (id, name)<br>    2. Add 4 Garden (id, name)<br>    3. Add 2 Highways (id, name)<br>    4. Add 2 railway track (id, name, line)<br>    5. Add 5 Railway stations (id, name, line)<br>    6. Add 5 Restaurants (id, name)    [At least 2 should be inside any garden]<br>    7. Add 5 Hospitals<br>    8. Add 10 Building / residential compound / Business. | 25 |
|---|---|---|
| 2 | 2.Create a Map using above layers Add the following add label, Add a suitable title with proper formatting. | 15 |
| 3 | Viva | 5 |
| 4 | Journal | 5 |

SLIP 2 (PRACTICAL NO 03)

SEAT NO. **8202,8209,8216,8223,8230,8238,8245,8252**

| 1 | Use "Mumbai Map":<br>    1. Add scale to 40000, CRS-WGS 84<br>    2. Add legend<br>    3. Add scale Bar<br>    4. Set proper suitable properties.<br>    5. Give proper name to map<br>    6. Import CSV File<br>    7. Specify layer name and show geometry CRS-WGS 84 | 30 |
|---|---|---|
| 2 | Install and enable plugins (experimental plugins). | 10 |
| 4 | Viva | 5 |
| 5 | Journal | 5 |

SLIP 3 (PRACTICAL NO 02)
SEAT NO**. 8203,8210,8217,8224,8231,8239,8246,8253**

| 1 | Add raster layers, use "**gl_gpwv3_pdens_90_ascii_one\glds90ag60.asc**": 1. Set Properties, symbology 2. Apply raster styling and analysis 3. Apply raster mosaicking and clipping Write all the steps and show proper output | 40 |
|---|---|---|
| 3 | Viva | 5 |
| 4 | Journal | 5 |

SLIP 4 (PRACTICAL NO 01)
SEAT NO. **8204,8211,8218,8225,8232,8240,8247,8254**

| 1 | Create vector data. (add minimum 5 layers) 1. Line 2. Polygon 3. Add point object Prepare appropriate database. | 30 |
|---|---|---|
| 2 | 2..Add the following add label, Add a suitable title with proper formatting. | 10 |
| 4 | Viva | 5 |
| 5 | Journal | 5 |

SLIP 5 (PRACTICAL NO 08)
SEAT NO. **8205,8212,8219,8226,8234,8241,8248,8255**

| 1 | Perform Nearest neighbor analysis to find the nearest earthquake prone area located near a populated place. | 20 |
|---|---|---|
| 2 | Add the following layers in QGIS • EarthquakeDatabase.txt • ne_10m_admin_0_countries.shp Calculate the total earthquakes / Tsunami occurred in each country. Show the total number of earthquake / Tsunami occurred in India. | 20 |
| 3 | Viva | 5 |
| 4 | Journal | 5 |

SLIP 6 (PRACTICAL NO 01)
SEAT NO. **8206,8213,8220,8227,8235,8242,8249,8256**

| 1 | Create a 3-vector layer to store points representing locations: college, restaurant, hospitals. <br> 1. Add roads and railway tracks. <br> 2. Change the color and size of point markers on vector layer to visually differentiate between categories of restaurants. | 25 |
|---|---|---|
| 2 | 1. create a map from above layers: add label, legend, scale, Add a suitable title with proper formatting. | 15 |
| 3 | Viva | 5 |
| 4 | Journal | 5 |

SLIP 7 (PRACTICAL NO 02)
SEAT NO. **8207,8214,8221,8228,8236,8243,8250,8257**

| 1 | Add the following layers in QGIS <br> 1.Adding raster layers <br> 2. Create Raster Styling and Analysis <br> 3. Add Raster Mosaicking and Clipping | 40 |
|---|---|---|
| 3 | Viva | 5 |
| 4 | Journal | 5 |