

**2022**

**GEOGRAPHY — HONOURS — PRACTICAL**

**Paper : CC-12P**

**(RS, GIS and GNSS)**

**Full Marks : 30**

**Set-1**

*The figures in the margin indicate full marks.*

1. Prepare a land cover and land use map with suitable layout from the given satellite data (Resourcesat LISS-3, P-108, R-56 of 11 Nov 2011) with at least four classes using supervised classification method. Also generate the classification report. 15
  2. Collect GNSS waypoints (UTM Coordinates) of the four given stations in a Field Book and plot them with proper annotations. 10
  3. Viva voce based on Laboratory Notebook. 5
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**(RS, GIS and GNSS)**

**Full Marks : 30**

**Set-2**

*The figures in the margin indicate full marks.*

1. Prepare a land cover and land use map with suitable layout from the given satellite data (Resourcesat-2, LISS-3, P-108, R-57 of 17 Apr 2019) with at least four classes using supervised classification method. Also generate the classification report. 15
  2. Collect GNSS waypoints (UTM Coordinates) of the four given stations in a Field Book and plot them with proper annotations. 10
  3. Viva voce based on Laboratory Notebook. 5
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**Full Marks : 30**

**Set-3**

*The figures in the margin indicate full marks.*

1. Georeference and digitise the given C.D. Blocks of the South 24 Parganas District, West Bengal. 15  
Prepare a suitable thematic map from the following data with proper layout and annotations.

Block	Total Population
Baruipur	433,119
Bishnupur I	232,365
Jaynagar I	263,151
Magrahat II	304,744
Sonarpur	219,863

Source : Census of India, 2001

2. Collect GNSS waypoints (UTM Coordinates) of the four given stations in a Field Book and plot them with proper annotations. 10
3. Viva voce based on Laboratory Notebook. 5