

P-900

Total Pages : 3

Roll No.

GIS-601

Recent Trends in Geo Informatics Part-II

(MAGIS/MSCGIS)

3rd Semester Examination, 2023 (June)

Time : 2 Hours]

Max. Marks : 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

SECTION-A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What is the role of Artificial Intelligence and Machine Learning in geoinformatics, give few real life examples?

2. Draw the architecture of a typical WebGIS application and explain about each component of the architecture?
3. What is the role of Open Geospatial Consortium (OGC) in WebGIS?
4. Explain about point cloud and what are the various mechanisms/sources of obtaining a point cloud?
5. What is the difference between city GML and VRML?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Which are the three segment of GNSS/GPS; write one line about each segment?
2. What kind of data is collected with LIDAR, what are the basic processing steps required for such data and which software is used for processing LIDAR data?
3. What is the difference between a web server and application server?

4. Discuss in detail about the role of 3D GIS in disaster management especially mountainous hazards.
 5. What are the benefits of cloud computing over desktop based computing with reference to geoinformatics?
 6. Explain about the usefulness of mobile app for geo-crowdsourcing.
 7. What is meant by augmented reality (AR) and it helps in geospatial planning?
 8. Write the short note on any *two* of the following :
 - (a) Crowdsourcing.
 - (b) Location based services.
 - (c) Geocoding.
 - (d) Online Spatial Decision Support System.
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