

CVM UNIVERSITY

M.Sc. (GEOINFORMATICS) Semester-I Examination-2021

Monday, 22nd February – 2021

2:00 PM to 4:00 PM

101400101: PRINCIPLES OF GEOGRAPHICAL INFORMATION SYSTEM

Total Marks: 60

- Note:** (1) Attempt all questions.
(2) Figures to the right indicate marks.

Q. 1 (a) Answer the following multiple choice questions. (08)

- (1) In the world of GIS, another term for the property of connectivity is
(a) proximity (b) neighborhood (c) topology (d) boolean identity
- (2) Degree of correspondence between data and the real world can be known as
(a) Accuracy (b) Lineage (c) Precision (d) Time
- (3) Which of the following is not a type of map projection?
(a) Conic (b) Cylindrical (c) Geographic (d) Azimuthal
- (4) Distance north or south of equator is also known as the
(a) perpendicular (b) latitude (c) longitude (d) horizon
- (5) Which of the following is the largest scale map?
(a) 1 : 8,000 (b) 1 : 24,000 (c) 1 : 50,000 (d) 1 : 63,360
- (6) Which type of data set is not used in GIS related software's?
(a) Vertex (b) Point (c) Poly line (d) polygon
- (7) What is not key of spatial data quality?
(a) Temporal accuracy (b) Positional accuracy
(c) Geodatabases (d) Logical consistency
- (8) Which of the following is not an example of spatial data?
(a) Times of particular events
(b) Polygons showing the area occupied by a particular land use or variable
(c) Points showing location of discrete objects
(d) Lines showing the route of linear objects

(b) Answer the following (True or False) (08)

- (1) Data can be shared in the process of GIS.
- (2) TINs are sets of lines of equal value across a surface.
- (3) Features in GIS are stored and presented as pairs of coordinates.
- (4) Clipping query finds all objects in the map that intersect region R.
- (5) The original sources for the data and the processing steps it has undergone is called as Lineage.
- (6) Map is a two-dimensional representation of a particular place.
- (7) Small-scale maps cover small areas, but can include a higher level of detail.
- (8) RMSE stands for Random measure square error.

