

**MA GEOGRAPHY
SECOND SEMESTER
CARTOGRAPHY
MGE-204**

Duration: 3 Hrs.

Marks: 70

{ Part : A (Objective) = 20 }
{ Part : B (Descriptive) = 50 }

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[Answer question no. One (1) & any four (4) from the rest]

1. Describe about the nature and scope of Cartography. (5+5=10)
2. What is surveying? Name the types of surveying. Distinguish between the geodetic and plane surveying. (3+2+5=10)
3. Define map projection. Write about the history of map projection. (2+8=10)
4. Write a note on the history and development of digital cartography with special reference to recent development. (10)
5. Differentiate between traditional and modern cartography. 'GIS is a recent development in the modern cartography', discuss the statement. (5+5=10)
6. Write short notes on any two- (a) CAD (b) Digital mapping (c) web cartography. (5+5=10)
7. Write short notes on (a) Principles of Triangulation and (b) Co-ordinate system. (5+5=10)
8. Write short notes on (a) Orthomorphism and (b) Choice of map projection. (5+5=10)

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[PART-A : Objective]

Choose the correct answer from the following:

1×20=20

1. In July the earth is at the largest distance from the sun is called
a. Perihelion
 b. Aphelion
c. Winter solstice
d. Summer solstice
2. The shape of the earth is
a. Circular
 b. Round
c. Oblate spheroid
d. Spheroid
3. The ellipsoid of revolution differs from reference surface called
 a. Geoid
b. Datum
c. Spheroid
d. Geodetic
4. In Geodetic surveying the curvature of the earth is _____ into account.
 a. Taken
b. Not taken
c. Sometimes
d. None of these
5. In compass surveying, the magnetic bearings of the lines are measured by
 a. Compass
b. Chain
c. GPS
d. Measuring tape
6. Alidade is used in
 a. Prismatic Compass surveying
b. Plane table surveying
c. Dumpy Level surveying
d. None of these
7. The vertical distance between any two consecutive contours is known as
a. Levelling
b. Gradient
c. Contour interval
d. None of these
8. Orientation is done at the starting station at
a. Compass surveying
b. Plane table surveying
c. Dumpy Level surveying
d. All of these
9. Who refuted the theory of gravity?
a. Galileo
b. Newton
c. Eratosthenes
d. W.M. Davis
10. Which is the Great Circle?
a. Equator
b. Central Meridian
c. All the parallels
d. All the meridians
11. Who is the father of map projection?
a. Eratosthenes
b. G. Mercator
c. Hipparchus
d. Gall
12. Conformality of map projection
a. Same direction
b. Equi-distant
c. Same shape
d. Same size
13. Map projection done with the help of some source of light are
a. Perspective
b. Non-perspective
c. Conventional
d. None of these
14. Equator is a standard parallel used in
a. Conical projection
b. Zenithal projection
c. Cylindrical projection
d. All of these

15. Constant of the cone is

- a. $\sin \phi$
- b. $\cos \phi$
- c. $\tan \phi$
- d. $\sec \phi$

16. Landuse mapping is done using

- a. Choropleth mapping
- b. Dot mapping
- c. Isoline mapping
- d. None of these

17. Google map maker is an example of

- a. Dynamic web mapping
- b. Static web mapping
- c. Choropleth mapping
- d. None of these

18. Typical graphics formats are example of

- a. Dynamic web mapping
- b. Static web mapping
- c. Isoline mapping
- d. CAD

19. For areas of sub-tropical, the most suitable projection

- a. Cylindrical
- b. Zenithal
- c. Conical
- d. None of these

20. Gall's projection is

- a. Orthographic
- b. Stereographic
- c. Gnomonic
- d. Equal Area

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



Question Paper CUM Answer Sheet

[PART (A) : OBJECTIVE]

Serial no. of the main
Answer sheet

Course :

Semester : Roll No :

Enrollment No : Course code :

Course Title :

Session : 2016-17 Date :

Instructions / Guidelines

- The paper contains twenty (20) / ten (10) questions.
- The student shall write the answer in the box where it is provided.
- The student shall not overwrite / erase any answer and no mark shall be given for such act.
- Hand over the question paper cum answer sheet (Objective) within the allotted time (20 minutes / 10 minutes) to the invigilator.

Full Marks	Marks Obtained	Remarks
20		

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature