Post Graduate Diploma in Digital Cartography (ANNUAL/CR)
Annual Examination: March/April-2023
Geography (Compulsoary) Paper-IV
DCT4: Digital Mapping

Day and Date:Wednesday,24/05/2023   **Total Marks: 60**
Time: 3.30 PM To 5.30 PM

Instructions:
    1. All Questions are Compulsory.
    2. All Questions carry equal marks.
    3. Figures to the right indicate full marks

Q.1.Choose the Correct alternatives from the following.   15

1   Data that describe the characteristics of the spatial feature called as……….

    A. Attribute data B. Numerical data C. Spatial data D. Alpha-Numerical Data

2   Generally, in the process of vectorization of toposheet, 'Road' spatial feature is capture as a ……. feature.

    A. Polygon B. Line C. Point D. Dot

3   Select the odd from the following:

    A) LINUX B) Windows XP C) Windows 8 D) M S Office

4   Joystick is an example of……………….

    A) Input Device B) Output Device C) Display Device D) Printing Device

5   GPS stands for………..

    A) Global Positioning System B) Geographical Positioning System C) Global Partitioning System D) Global Positioning Sequence

6   Generally, in the process of vectorization of toposheet, 'Telephone Line' spatial feature is capture as a ……. feature.

    A) Polygon B) Point C) Polyline D) None of these

7   …………………spatial features are features that exist spatially between observations.

    A) Continuous B) Discrete C) Random D) Regular

8   Data that describe the geometry of spatial features is called as

    A) Attribute Data B) Original Data C) Spatial Data D) Functional Data

9   The …………..data model, stores spatial data and attribute data in a single system.

    A) Georelational B) Object-based C) Compound D) Original

10   Select the odd from the following:

    A) Windows 8 B) Windows 98 C) Windows 10 D) M S Power Point

11 What is the full form of WGS?

   A) World Geodetic System

   B) World Geographic System

   C) World Geodetic Sequence

   D) World Geographic Site

12 Which one of the followings is not a programming language?

   A) M S Power Point B) JAVA C) C Programming D) .NET

13 Dot map is an example of …………

   A) Qualitative map B) Pictorial map C) Quantitative map D) Flow line map

14 Graduated colors map is an example of …………

   A) Qualitative map B) Pictorial map C) Quantitative map D) None of these

15 Choose odd from the below.

   A) Local Function B) Focal Function C) Global Function D) Buffer

Q.2.Write short Notes (Three out of Four) .   15

1   Structure of Computer

2   Input and Output Devices of the Computer

3   Spatial Data

4   Inverse Distance Weighted (IDW)

Q.3.Write short Answers (Three out of Four) .   15

1   Operating System Vs Application softwares

2   Object Based Models: Advantages and Disadvantages

3   Interpolation methods

4   What is Attribute Data?

Q.4.. Answer the following question on broad. (One out of two).   15

1   Discuss the various applications of Digital Cartography.

2   What is Vector Data? Distinguish Between Object based data model and Georelational data model

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Model Answer Paper
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Q.1.Choose the Correct alternatives from the following.   15

1   Data that describe the characteristics of the spatial feature called as……….

    A. Attribute data B. Numerical data C. Spatial data D. Alpha-Numerical Data

    <u>Option 1</u>

2   Generally, in the process of vectorization of toposheet, 'Road' spatial feature is capture as a …….
    feature.

    A. Polygon B. Line C. Point D. Dot

    <u>Option 2</u>

3   Select the odd from the following:

    A) LINUX B) Windows XP C) Windows 8 D) M S Office

    <u>Option 4</u>

4   Joystick is an example of……………….

A) Input Device B) Output Device C) Display Device D) Printing Device

Option 1

5   GPS stands for………..

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Option 1

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Option 3

7   …………………spatial features are features that exist spatially between observations.

A) Continuous B) Discrete C) Random D) Regular

Option 1

8   Data that describe the geometry of spatial features is called as

A) Attribute Data B) Original Data C) Spatial Data D) Functional Data

Option 3

9   The …………..data model, stores spatial data and attribute data in a single system.

A) Georelational B) Object-based C) Compound D) Original

Option 2

10   Select the odd from the following:

A) Windows 8 B) Windows 98 C) Windows 10 D) M S Power Point

Option 4

11   What is the full form of WGS?

A) World Geodetic System

B) World Geographic System

C) World Geodetic Sequence

D) World Geographic Site

Option 1

12   Which one of the followings is not a programming language?

A) M S Power Point B) JAVA C) C Programming D) .NET

Option 1

13   Dot map is an example of …………

A) Qualitative map B) Pictorial map C) Quantitative map D) Flow line map

Option 3

14   Graduated colors map is an example of …………

A) Qualitative map B) Pictorial map C) Quantitative map D) None of these

Option 3

15   Choose odd from the below.

A) Local Function B) Focal Function C) Global Function D) Buffer

Option 4

Q.2.Write short Note (Three out of Four)   15

1   Structure of Computer

Ans:

2   Input and Output Devices of the Computer

Ans:

3   Spatial Data

Ans:

4   Inverse Distance Weighted (IDW)

Ans:

Q.3.Write short Answers (Three out of Four).   15

1   Operating System Vs Application softwares

Ans:

2   Object Based Models: Advantages and Disadvantages

Ans:

3   Interpolation methods

Ans:

4   What is Attribute Data?

Ans:

Q.4.Answer the following question on broad. (One out of two).   15

1   Discuss the various applications of Digital Cartography.

Ans:

2   What is Vector Data? Distinguish Between Object based data model and Georelational data model

Ans:

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