Esri

EADP10 Exam

ArcGIS Desktop Professional

Question: 1

An ArcGIS user runs the Central Feature geoprocessing tool on a polygon feature class. The output feature is far north of the center of the feature class. Why is the output feature off center of the feature class?

A. There are more polygons in the northern part of the feature class
B. The polygons in the northern part of the feature class are larger
C. The feature class is not in the same promotion as the data frame
D. A weight field is not specified

Answer: D

Question: 2

A user wants to connect new laterals to supply water to newly built houses. What edge type supports this function?

A. an edge between two junctions
B. a complex edge
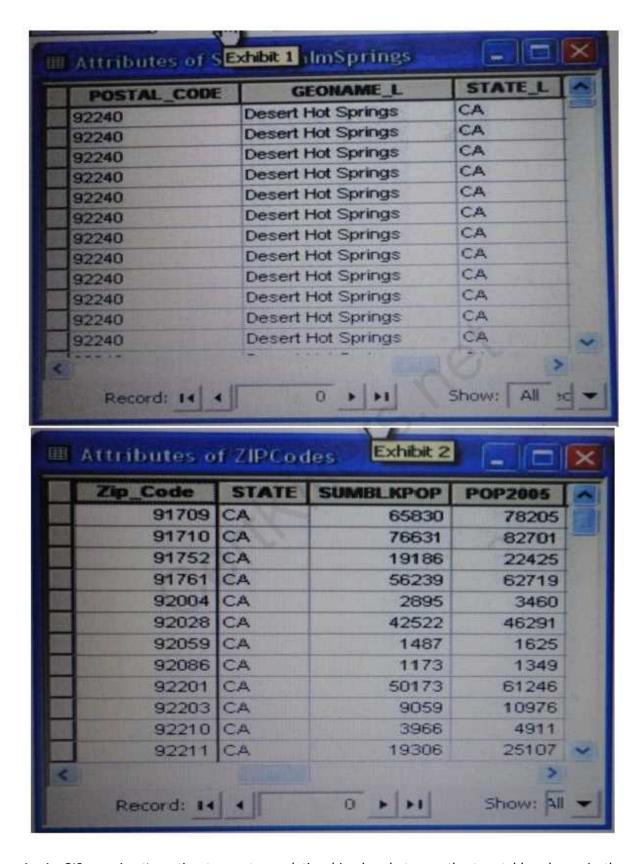C. a subtype of edge
D. a simple edge

Answer: D

Explanation:
Reference:
http://edndoc.esri.com/arcobjects/8.3/TechnicalDocuments/Network/ArcGISNetworkModel/ArcGIS Network.htm (topic 2.1.2, see the first image)

Question: 3

Refer to the exhibits.

POSTAL_CODE	GEONAME_L	STATE_L
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA
92240	Desert Hot Springs	CA

Attributes of S Exhibit 1 lmSprings

Record: 0   Show: All

Zip_Code	STATE	SUMBLKPOP	POP2005
91709	CA	65830	78205
91710	CA	76631	82701
91752	CA	19186	22425
91761	CA	56239	62719
92004	CA	2895	3460
92028	CA	42522	46291
92059	CA	1487	1625
92086	CA	1173	1349
92201	CA	50173	61246
92203	CA	9059	10976
92210	CA	3966	4911
92211	CA	19306	25107

Attributes of ZIPCodes   Exhibit 2

Record: 0   Show: All

An ArcGIS user is attempting to create a relationship class between the two tables shown in the exhibit using POSTAL_CODE and Zip_Code as the origin primary key and destination foreign keys,

respectively. However when the user tries to set the keys Zip_Code does not appear in the drop-down list of candidate keys. What should the user do to successfully create the relationship class?

A. change the relationship type from non attributed to attributed
B. make sure both tables are in the same geodatabase
C. create data type compatible key fields
D. move both tables to the same feature dataset

Answer: B

Question: 4

An image that is displayed as draped over a digital elevation model (DEM) in ArcGlobe appears to be overly pixilated. Which property should be changed to make the image appear smoother?

A. stretch type
B. resampling method
C. contrast setting
D. unit conversion

Answer: C

Question: 5

A water utility company had received calls from several customers complaining of low water pressure. Using a geometric network representing the water network, how can an ArcGIS user determine the most likely location of the problem?

A. place junction flags on each customer water meter and use the Find Common Ancestors trace task
B. place junction flags on each customer water meter and use the Find Disconnected trace task
C. place a junction barrier on each customer water meter and use the Trace Upstream trace task
D. place a junction barrier on each customer water meter and use the Find Path upstream trace task

Answer: A

Explanation:
Reference:
http://ssl.tamu.edu/courses/frsc652/lab/gdbase_lab_exercises.pdf (page 3, step 9)

Question: 6

A taster contains pixels with decimal values. Which method is used to round raster pixel values to the nearest whole number?

A. use the Round Up tool (Spatial Analyst), then the Round Down tool (Spatial Analyst)
B. use the Round Down tool (Spatial Analyst), then the Round Up tool (Spatial Analyst)

C. use the Plus tool (Spatial Analyst) to add 1, then the Minus tool (Spatial Analyst) to subtract 0.5
D. use the Plus tool (Spatial Analyst) to add 0.5, then the int tool (Spatial Analyst) to truncate to the nearest integer

Answer: B

Question: 7

In the value for the latitude of origin in a projection tile is modified, making the value less negative (e.g. from -45 to -28). which way does the data move?'

A. north
B. south
C. east
D. west

Answer: B

Question: 8

Using the Spatial Analyst IDW (Inverse Distance Weighted) tool an ArcGIS user interpolates a point feature class to a raster. The user notices that some high point values near the edge of the feature class seem to have a dramatic effect on the output. This occurs even in areas that are far from the high edge values. Which two parameters should the user consider changing in the IDW tool? (Choose two)

A. z-value field
B. search radius
C. power
D. output cell size
E. weight

Answer: D, E

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