

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2008 – 09 & thereafter)

SUBJECT CODE : CS/ME/GS44

B. C. A. DEGREE EXAMINATION, APRIL 2011
FOURTH SEMESTER

COURSE : MAJOR ELECTIVE
PAPER : COMPUTER AIDED DESIGN AND GEOGRAPHICAL INFORMATION SYSTEMS
TIME : 1½ HOURS **MAX. MARKS: 50**

SECTION - A

Answer all the questions: **(10x1=10)**
Fill in the blanks :

1. AutoCAD drawings are stored with the extension _____.
2. The default layer name in AutoCAD is _____.
3. The plane on which a drawing can be done is called the _____ co-ordinate system.
4. The _____ command is an editing command that both moves and rotates objects.
5. _____ is an enquiry command used to view the properties of an object.

Choose the best answer :

6. _____ is the mode used to draw perpendicular lines.
a. Snap b. Grid c. Ortho d. Plane
7. The _____ command is used to convert a block into a drawing file.
a. GLOBALBLOCK b. CONVERT c. WBLOCK d. BLK2DWG
8. The height of a solid object in the Z-axis is called the :
a. Elevation b. Mass c. Depth d. Thickness
9. The color of an object can be changed with the _____ command.
a. COLOR b. CHANGE c. PROPERTIES d. CHCOLOR
10. A minimum of _____ points are required to draw an arc with the ARC command.
a. 2 b. 3 c. 4 d. 5

SECTION - B

Answer ALL questions : **(5 x 2 = 10)**

11. What is the difference between a LINE and a POLYLINE?
12. How does the MINSERT command work?
13. List any two 3D primitives.
14. What is the expansion of SVG? Where is it used popularly?
15. A 2000-m road is represented on a map with a 1-cm line. What is the map scale?

SECTION - C**Answer ANY SIX questions :****(6 x 5 = 30)**

16. Explain the ARRAY in AutoCAD, both POLAR and RECTANGULAR.
17. How is GIS useful in emergency response planning in river deltas?
18. What is VPOINT? What is the difference between WCS and UCS?
19. How is the drawing limit set in AutoCAD? Explain the difference between PAPER SPACE and MODEL SPACE. What is the common output device used to take the hardcopy output of large drawings from AutoCAD.
20. Explain any two surface model commands in AutoCAD.
21. What are 'layers'? What is the difference between layer 'OFF' and layer 'FREEZE'? List any two properties of an object that can be changed through the layers?
22. Explain how a new LINETYPE can be created in AutoCAD.
23. Explain briefly the following commands: FILLET, CHAMFER
