

B. C. A. (Third Year) Examination, 2020

Note: Each section is compulsorily written on separate answer sheet.

E-6633

Section- A

INTERNET TECHNOLOGY with ASP.NET & C#

Paper : BCA : 33

Maximum Marks : 40

Note: Attempt all questions. Each questions carries equal marks. Each question must be answered in maximum 800 words.

1. What are the development tool and operational system that .NET provided to build, deploy and integrate application? What is Microsoft Intermediate Language (MSIL)? Why is important?
2. Explain any five Common Properties of the Server Controls. What are the different server side validation required in ASP.NET?
3. Write a code to insert and update data into Sql.Server database also write the procedure to display data on data bound control and grid. Write short note on request and response objects.
4. What are the benefits of Web Application development? Write the code for the deployment. Describe the procedure to writing and reading of dataset from XML.
5. Write the similarity and difference between .NET and JAVA. Why both of the language is platform independent.

OR

E-6634

Section- B

COMPUTER GRAPHICS AND MULTIMEDIA

Paper : BCA : 34

Maximum Marks : 40

Note: Attempt all questions. Each questions carries equal marks. Each question must be answered in maximum 800 words.

1. Distinguish between Raster Scan and Random Scan display explain working of any two display device with neat diagram. Write short note on rubber band technique.
2. Explain the midpoint circle drawing algorithm. Also draw as you assume 10 cm as the radius and co-ordinate origin as the centre of the circle.
3. What do you understand by 2-D and 3-D coordinate system explain rotation, scaling and transformation matrix. Write the difference between parallel and perspective projection.
4. Discuss surface removal or surface determination techniques? Write short note on Gourand shading ray tracing.
5. What do you understand by animation? Explain the difference animation language to design the animation sequences.