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Reg. No. :

**Code No. : 20106 E Sub. Code : JMCS53/
JMSE53/SMCS53/
SMSE53**

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2021.

Fifth Semester

Computer Science/Software Engineering — Main

. NET TECHNOLOGIES

(For those who joined in July 2016-2019)

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 1 = 10$ marks)

Answer ALL questions.

Choose the correct answer :

1. Integer division operators in VB.net is
_____.

(a) /

(b) \

(c) div

(d) *

2. In Vb.net function _____ keyword used for optional parameter.
- (a) By ref (b) By fn
(c) By Val (d) All of these
3. ASP.net controls are _____ time controls.
- (a) Run (b) Compile
(c) Both (a) and (b) (d) None of these
4. From which base class all web forms are inherited?
- (a) Page load (b) Page class
(c) Page unload (d) None of these
5. Active directory is a _____ structure.
- (a) Hierarchical (b) Single
(c) Double (d) All of these
6. Windows event log shows _____ message.
- (a) Compile (b) Run
(c) Error (d) All of these

7. Com+ defines _____ objects interact with other programs.
- (a) how (b) when
(c) what (d) which
8. Web service is Platform _____.
- (a) dependent (b) independent
(c) scalable (d) none of these
9. Which of the following are Transaction properties?
- (a) Atomic
(b) Consistence
(c) Durable
(d) All of the above
10. In Cryptography, what is cipher?
- (a) Algorithm for performing encryption and decryption.
(b) encrypted message
(c) both algorithm for performing encryption and decryption and encrypted message.
(d) none of the mentioned

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Discuss about Bitwise operator in Vb.net.

Or

- (b) Write and explain Arrays in Vb.net.

12. (a) How HTML Input Radio Button control used in Web page? Explain.

Or

- (b) Write and explain HTML Text Area Control.

13. (a) Explain Active Directory Services.

Or

- (b) What you mean by “Message Queues”?

14. (a) Write about Com+ component service.

Or

- (b) How to use the proxy classes for calling web services?

15. (a) How to access data using ADO.web?

Or

- (b) Explain cryptography.

PART C — ($5 \times 8 = 40$ marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write about

- (i) if
- (ii) select statement in Vb.net.

Or

- (b) What is error handling? How it's done in Vb.net.

17. (a) Discuss in details about HTML forms with example.

Or

- (b) Write about ASP.Net Intrinsic objects.

18. (a) Explain Data collection in ASP.net.

Or

- (b) How to manipulating XML data? Explain.

19. (a) “Using Vb.net to develop managed components”. — Discuss.

Or

- (b) Write about web service directory.

20. (a) Discuss in details about ADO.NET programming Objects and Architecture.

Or

- (b) How to implementing Data Encryption? Explain.
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