

**Avinashilingam Institute for Home Science and Higher Education for Women,
(Deemed to be University) Coimbatore – 641 043.
Bachelors Degree Examination – November 2018
V Semester**

Class : III U.G.

Time : 3 hours

Major : Information Technology

Max. Marks : 100

15BITC21 – Client/Server Computing

PART – A

10 x 1 = 10

Choose the correct answer

1. Expansion of ORB _____
a) Object request broker b) object response broker
c) Object return broker d) object result broker
2. Which one of the following server management of semi structured information such as text, image, mail, bulletin boards & flow of work?
a) file server b) web server c) object server d) Groupware server
3. Which mechanism used to synchronize the actions of independent server tasks & alert them when some significant event occurs?
a) Inter task protection b) semaphores c) IPC d) middleware
4. Window NT workstation is a _____ client operating system.
a) 32 bit b) 16 bit c) 64 bit d) none of the above
5. _____ make the network transparent to users.
a) NOS b) DFS c) MOM d) RPC
6. MOM stands for _____
a) Message oriented middleware b) machine oriented middleware
c) multi task oriented middleware d) multiple oriented middleware
7. _____ as an operating system for transaction processing.
a) OLTP b) data warehouse c) TP monitor d) transmit processor
8. _____ allows resource managers to become associated with a global transaction only after the application directly calls them.
a) RPC b) NOS c) OLTP d) X/Open
9. _____ are used to automate business system that have definable, repetitive & well understand policies , procedures.
a) Process oriented workflow b) adhoc workflow
c) Performance workflow d) action workflow
10. _____ allow us to create, manage, name, move, copy, store and restore objects.
a) Object web b) object broker c) object services d) object groupware

PART B

5x6=30

Answer the following

Answer should not exceed 400 words or two pages

- 11.a) Explain about the characteristics of client server.(or)
- 11.b) Explain about FAT server.
- 12.a). Compare between GUI and OOUI features.
(or)
- 12.b) Write about server operating system trends.
- 13. a) Comparing MOM and RPC.
(or)
- 13. b) Explain about the types of transparencies the NOS middleware.
- 14. a) Explain about ACID properties.
(or)
- 14.b) What is TP monitor? Explain in detail.
- 15.a) Explain about web client /server interaction.
(or)
- 15.b) Explain about 3- tier client/ server web style.

PART C

5X12=60

Answer the following

Answer should not exceed 800 words or four pages

- 16. a) Write about inside the building blocks of client / server? Explain in detail.
(or)
- 16. b) Explain the following: 1. file server 2. Web server 3. Groupware server.
- 17. a) Explain about client anatomy .
(or)
- 17. b) What are the trends developing in client OS industry? Explain in detail.
- 18. a) Explain about SQL database server architecture.
(or)
- 18. b) Explain about ISO standard of SQL.
- 19. a) Explain about flat transaction& limitation of flat transaction.
(or)
- 19.b) Explain about the X/Open DTP Reference model.
- 20.a) What is super component? What are facilities associate in super component?
(or)
- 20.b) Explain in detail CGI- server side of the web?
