

Question Paper Pattern for Semester End Examination (75 Marks)

- There will be Five Questions in all.
- Q1 would be compulsory and would carry 20 Marks
- Q8 would be compulsory and would carry 15 Marks
- In addition to Q1 and Q8, there would be six questions (Q2, Q3, Q4, Q5, Q6 and Q7). Each question would carry 10 Marks. Each of these Six Questions will have three sub – questions and each sub – question would carry 05 Marks
- Students have to attempt any four out of the remaining six Questions and within each question; students have to attempt any two out of three sub – questions.

Q1 – Multiple Choice Questions : (Compulsory)**[20]**

1. India formulated the policy on ITIR in the year _____.
(a) 2000 (b) 2008 (c) 2010 (d) 2014
2. LCD stands for _____.
(a) Liquid Crystal Digital
(b) Liquid Crystal Display
(c) Liquified Crystal Device
(d) Liquid Crystal Dot
3. _____ is an example of secondary storage device.
(a) RAM (b) ROM (c) Cache (d) Pendrive
4. The storage capacity of CD is _____.
(a) 700 KB (b) 700 MB (c) 700 GB (d) 700 Bytes
5. A _____ works in the Layer 3 of OSI Reference Model.
(a) Hub (b) Modem (c) Switch (d) Router
6. In _____ Transmission mode the messages flow in both the direction, and the same time.
(a) Simple (b) Half Duplex (c) Full Duplex (d) Hybrid
7. A _____ type of cable is costlier than all other wired transmission media.
(a) Twisted Pair (b) Coaxial Cable (c) Fiber Optic (d) Shielded Twisted Pair
8. A _____ is a software program that is used to explore, retrieve and display the information available on the World Wide Web.
(a) Search Engine (b) Web Browser (c) Anti-Virus (d) Google

9. In _____ website the web pages change, do not remain same.
(a) Dynamic (b) Hybrid (c) Static (d) Home
10. Bing search engine was developed by _____.
(a) Google (b) Yahoo (c) Microsoft (d) Oracle
11. The first website was developed by _____.
(a) Tim Berner Lee (b) Dennis Ritchie (c) Bill Gates (d) Charles Babbage
12. _____ is a type of website that provides information or in which posts are added regularly in reverse chronological order, latest post on top and old ones at the bottom.
(a) Orkut (b) Blog (c) Static (d) Dynamic
13. The cloud computing resources that are exclusively used inside a single business or organization are termed as a _____ cloud.
(a) Public (b) Private (c) Hybrid (d) National
14. Through _____ cloud service, software developers are given access to cloud based tools like APIs, gateway software or web portals.
(a) IaaS (b) PaaS (c) SaaS (d) Hybrid
15. Edge Browser belongs to _____ company.
(a) Oracle (b) Microsoft (c) Sun Systems (d) Apple
16. _____ is an example of Impact Printer.
(a) Inkjet (b) Laserjet (c) Dot-Matrix (d) InkTank
17. _____ is a free software package that includes applications for text processing, spreadsheets and presentations.
(a) Microsoft Office (b) Zoho Office Suite (c) Tally (d) Adobe
18. DNS stands for _____.
(a) Digital Network System (b) Domain Name System
(c) Domain Name Server (d) Digital Name System.
19. _____ is a subsystem of Artificial Intelligence, wherein computers have the ability to learn from data using statistical techniques, without being programmed by a human being.
(a) Robotics (b) Block Chain (c) Machine Learning (d) Virtualization.
20. _____ is a type of CRM in which the business puts the customers first.
(a) Operational (b) Analytical (c) Collaborative (d) Strategic

Attempt **Any Four out of Q2, Q3, Q4, Q5, Q6 and Q7.**

Q2 Any two from (a) or (b) or (c) [10]

- (a) Difference between Primary Memory and Secondary Memory.
- (b) Explain Optical Storage devices.
- (c) Explain Types of Computer.

Q3 Any two from (a) or (b) or (c) [10]

- (a) What is NIC ? Explain the types of NIC.
- (b) Explain LAN, MAN and WAN.
- (c) Explain Types of Transmission Mode.

Q4 Any two from (a) or (b) or (c) [10]

- (a) What is Browser ? Explain history of Web Browser.
- (b) What is Search Engine ? Explain the components of Search Engine.
- (c) What is Cloud Computing ? Explain its advantages & disadvantages.

Q5 Any two from (a) or (b) or (c) [10]

- (a) Explain Operational CRM.
- (b) What is Data Warehouse ? Explain the characteristics of Data Warehouse.
- (c) Explain the 6 basic steps in Knowledge Management Process.

Q6 Any two from (a) or (b) or (c) [10]

- (a) What is E-commerce ? Explain the advantages and disadvantages.
- (b) Explain E-Infrastructure in India.
- (c) What is FTP ?

Q7 Any two from (a) or (b) or (c) [10]

- (a) Explain Online or Direct Data Entry Devices.
- (b) Explain various offline storage devices.
- (c) Write a note on Star Topology.

Q8 Any three from (a) or (b) or (c) or (d) **(Compulsory)** [15]

- (a) Explain various unguided Transmission Media
- (b) Explain Advantages of Internet.
- (c) Write a Note on SCM.
- (d) Explain Types of Data Warehouse

Note: A Student has to separately secure minimum 50% marks in the Internal assessments and secure minimum 50% marks in the Semester End Examination in every subject to be declared as Pass.