

6. Differentiate between data and information.

	MATHEMAT 3B03M		ourse – 3)	
Time: 3 Hours			·Maxim	num Weightage: 30
1. Fill in the blanks:				12. When replugi
i) An ———	——— port is u	port is used to connect the computer to a network.		
ii) ———— is	type of website that allows the change of content by a visitor.			
iii) Environmenta	lly sustainable con	nputing or IT is	known as	STATIST WORLD
iv) LISP uses the definition.		as its fundament		for function (Weightage 1)
2. Choose the correct	et answer :			
i) Which of the fe	ollowing is not a li	st making enviro	onment in LATE	X?
	b) Enumerate			
ii) A device that t	ransfer packets of	data between ty	vo or more netw	orks
a) Switch	b) Gateway	c) Router	d) Bridge	
iii) Which of the f	ollowing is not a s	ocial network?		
	b) Myspace			
iv) Which is not a	n arithmetic opera	tor in scilab?		
a) +	b) ^	c) /	d) \	(Weightage 1)
Answer any five ques	tions from the foll	owing (Weighta	ge one each):	
3. Explain WWW.		752 0		
4. What are the adva	intages of microw	ave technology	marria de la	
5. Differentiate betw		O,		



- 7. What are the disadvantages of cable internet?
- 8. What are spams?
- 9. Explain the different constants used in scilab.
- 10. How will you include graphics from other files in LATEX? (Weightage 5×1=5)

Answer any seven questions from the following (Weightage two each):

- 11. Explain ISDN. What are its advantages?
- 12. What is plagiarism?
- 13. Write a short note on wireless technology.
- 14. Explain virtual reality in detail.
- 15. How will you create lists in LATEX? Explain with example.
- 16. Explain the functions and libraries in scilab.
- 17. Illustrate the 2D and 3D plotting techniques in scilab.
- 18. Briefly explain Linux OS and Linux distributions.
- 19. Explain the search techniques used for academic purposes.
- 20. Explain the problems related with e-waste. What are the methods for minimising e-waste? (Weightage 7×2=14)

Answer any three questions from the following (Weightage three each):

- 21. What are the functions of operating system? Explain the different categories of operating systems in detail.
- 22. Explain the importance of IT in education.
- 23. Explain the different computer threats. What are the security measures used to prevent these threats?
- 24. Explain the features of expert systems. Give two examples of its application.
- 25. Create a LATEX document which displays all the steps involving the solution of a quadratic equation $ax^2 + bx + c = 0$. (Weightage $3 \times 3 = 9$)