VCD 23/11/19 FYBSc CS—FOSS-- SEM I—21/2 HRS -- 75 Marks N.B 1) All questions are compulsory. 2) Figures to right indicate full marks. 3) Illustrations, in-depth answers and diagrams will be appreciated. 4) Mixing of sub-questions is not allowed. 5) Assume suitable data if required. (15 M)Attempt All (Each of 5 Marks) Q.1Multiple choice questions (a) FLOSS stands for..... a. Fixed latest Operating System Software b. Free Libre Open Source software c. Free Libre Open Source system d. Free latest Operating System Software GDB is..... ii. b. GNU Data a. GNU Debugger c. GNU Developer d. GNU Design LGPL is published by..... iii. c. SFF d. SFS b. FFS a. FSFis also Intellectual Property protection iv. Patent b. Brand Name c. Trademark d. Copyright Irfanview is..... V. Shareware b. Freeware c. Licenced software d. Malware Fill in the blanks (b) (Mozilla foundation, Linux OS, Open Source Software, Java developers, Microsoft, Freepress, WordPress, Licensing, Content Delivery) Eclipse is a popular IDE used by for the open source i. community. Firefox is developed by 11. is granting the permission to use intellectual property iii. rights such as trademark or patents. Websites can be developed using iv. is design which can be easily copied. V. Short answers (Attempt all) (c) License i. Public domain software ii. Communication and Etiquettes iii. List any two Open Source Database Technologies iv. Containerization V. (15 M)Q. 2 Attempt the following (Any three) a. Write a note on GNU Project b. What are the problems with Commercial Softwares?

c. How does License work in Public Domain? Explain.

d. What is Open Source Governance?e. "Free Doesn't Mean No Cost" Explain.f. What is Zero marginal cost related to FOSS?

Q. 3	3 Attempt the following (Any three)	(15 M)
	a. Write Short note on Wordpress and Wikipedia.	
	b. Explain GCC.	
	c. What is Open Source Teaching?	
	d. Differentiate between Commercial and Open des	ion Practices
	e. How to interact with GITHUB?	ight factices.
	f. Explain open source code testing.	
	1. Explain open source code testing.	
Q. 4	Attempt the following (Any three)	(15 M)
	a. Write note on LAMP.	the beautiful be
	b. Write any 5 features of Linux OS.	
	c. Discuss Docker.	
	d. Explain Open Solaris Operating System.	
	e. What are the advantages of Virtualization?	
	f. Explain Free BSD.	
	1. Explain Fiee BBB.	
Q. 5	Attempt the following (Any three)	(15 M)
	a. Discuss Principles of Open Source.	
	b. Explain open source media.	
	c. Distinguish Copyright and Copyleft.	
	d. Define software freedom.	
	e. Explain Google Docs in regards with following p	points
	i. Introduction	
	ii. Features	
	iii. Any 2 components	
	m. Any 2 components	