	1 de Gregory Lat	Koli No.	
Total No. of	Questions: 8]	[Total No. of	Printed Pages: 3
· ·	EGS	5-228	
B.E. 6th Semester (CGPA) CSE (Zero Sem.)  Examination - 2018			
-167/446.0	COMPUTER	NETWORK	<b>S</b>
	Paper-	-CS-605	
Time: 3 H	Iours]	[Maxim	um Marks: 60
	ttempt all questi qual marks.	ons. Each qu	estion carries
1. (a)	Define Multip detail.	lexing. Expla	ain its type is
(b) Explain the following:			
	(i) Channel c	apacity	
	(ii) Bandwidth	handladd de	all (d)
	(iii) Sampling		
2. (a)	What is the need of OSI model? Explain the functions of different layer of OSI model.		
(b)	Define Data To		
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- 3. (a) How does selective repeat- ARD protocol differ from Go- Back- NARQ? Discuss with suitable example.
  - (b) Derive an expression for the throughput of a slotted ALOHA system and compare it with pure ALOHA system.
- 4. (a) What is Routing? Explain Adaptive and non-adaptive routing with example.
  - (b) Explain header frame format of UDP and also explain the function of each field.
- 5. (a) Explain HOLC in detail.
  - (b) What do you mean be static and dynamic channel allocation? Explain.
- 6. (a) What is the need of DNS System? When IP address can be directly used?
  - (b) Draw the frame format of IEEE 802.11 standard and briefly discuss the function of each field.
- 7. (a) What do you understand by congestion? Explain different techniques of congestion control.
  - (b) Explain DES Algorithm in detail.

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- 8. Write a short note on any four of the following:
  - (i) Asynchronous and Synchronous transmission
  - (ii) Error control technique
  - (iii) Internetworking
  - (iv) Bluetooth
  - (v) UDP Protocol

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