King Saud University College of Computer and Information Sciences *Computer Engineering Department* Broadband and High Speed Network (CEN 449) Section Number: Allowed Time: 30 Minutes Date: (11/2/1437)(23/11/2015)

Student Name:

Student Number:

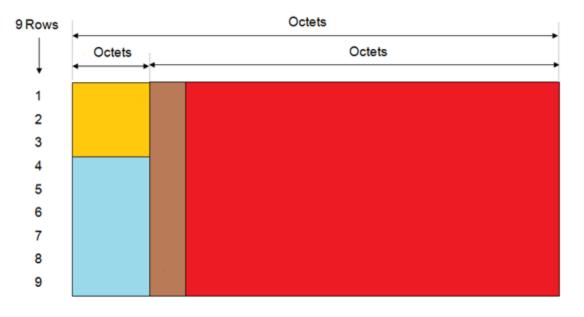


QUIZ 4

Choose the correct answers:

 The SONET and SDH was developed to replace thesystem for transporting large amounts of telephone calls and data traffic over the same fiber without synchronization problems. (a) <u>Plesiochronous Digital Hierarchy</u> (b) SDH (c) SONET 		
columns and nine rows for STS-:		
3. Three STS-1 signals can be multiplexed together to create STS-3 signal () which represent the electrical signal of OC-3.(a) 155.52 Mbps(b) 51.84 Mbps(c) 622.08 Mbps		
4. In SONET layers, The layer Converts to optical signals and back to electromagnetic(a) Section(b) Line(c) Path		
 5 refers to a collection of performance parameters whose values have to do with the speed and accuracy/reliability of ATM connection. (a) QoS (b) Private UNI (c) Public NNI 		
 6. When a virtual circuit is established, both the transport layer in the host machine and the network must agree on a defining the service. (a) Traffic contract (b) Traffic shaping (c) Traffic policing 		
7 the number of cells/sec that are delivered to the wrong destination because of an undetected error in the header.(a) Cell Miss-insertion Rate (CMR)(b) Cell Loss Ratio(c) Cell Error Rato (CER)		
8. The converts application data into ATM data units in order to provide support for user applications. (a) Physical Layer (b) ATM Layer (<u>c) AAL Layer</u>		
9. Theis responsible for the simultaneous sharing of virtual circuits over a physical link (cell multiplexing)		
(a) Physical Layer	(b) ATM Layer	(c) AAL Layer
10. Theis split into A segmentation and Reassembly sublayer (SAR) and a convergence sublayer(a) Physical Layer(b) ATM Layer(c) AAL Layer		

3. Fill the name of each overhead parts and the number of octets for the all STS-1 Envelope structure.





Solution

