

Enroll. No. _____

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

BE - SEMESTER-VIII • MID SEMESTER EXAMINATION – SUMMER 2015

SUBJECT: Data Communication and Networking (181101)

DATE: 09-03-2015

TIME: 02:00 pm to 03:15 pm

TOTAL MARKS: 30

- Instructions:** 1. All the questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data if required.

Q.1	(a)	Write a note on OSI Model.	[5]
	(b)	List the Classification of network in detail according to the area covered. Also explain each classification of network in detail.	[5]
Q.2	(a)	Compare circuit switching and message switching in detail.	[5]
	(b)	Explain Sliding window protocol using GO back to N.	[5]
OR			
Q.2	(a)	Explain simplex protocol in detail.	[5]
	(b)	Write a note on Bluetooth.	[5]
Q.3	(a)	Explain tunneling in Detail.	[5]
	(b)	Differentiate the Pure ALOHA and Slotted ALOHA protocols.	[5]
OR			
Q.3	(a)	Define: Routers, Gateway, Repeaters, Hub, Switches, Bridges	[5]
	(b)	List the techniques for achieving Good Quality of service and explain Leaky Bucket Algorithm in Detail	[5]

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SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY

BE - SEMESTER-VIII • MID SEMESTER EXAMINATION – SUMMER 2015

SUBJECT: Fundamentals of Image Processing (181102)

DATE: 10-03-2015

TIME: 02:00pm to 03:15pm

TOTAL MARKS: 30

Instructions: 1. All the questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data if required.

- Q.1 (a) What is image processing? List the different areas of image processing applications with examples. [5]
(b) Draw and explain structure of human eye and discuss human vision system [5]
- Q.2 (a) Explain RGB color model. How RGB to CMY conversion is done? [5]
(b) Explain Image Sampling and Quantization [5]
- OR**
- Q.2 (a) Explain HSI Color Model with Conversions [5]
(b) Explain the Fundamental Steps in Digital Image Processing [5]
- Q.3 (a) Explain Color Image Smoothing and Sharpening in detail [5]
(b) What is Segmentation? Explain any one technique of Edge Detection [5]
- OR**
- Q.3 (a) What are different ways of region based segmentation? Explain anyone with an example [5]
(b) What is Pseudo color Image Processing? Explain Intensity Slicing [5]
