b't- VII Jem - Blomed

Networking & Information system in Medicine.

19 BE/VII/CBGS/BM/NIS in Medicine.

QP Code: 6169

[Revised Course]

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	(3 Hours)	[Total Marks:	80
	9		· S
N.B.: (1)	Question no. 1 is compulsory		Same of the same o
(2)	Attempt any three questions from the remaining five gues	•:	73.
(3)	Make assumptions wherever necessary and state them	tions.	Charles
A	and state them	To the state of th	
l. Explain th	ne following (Any four)	Signature Control	20
' (a)	Circuit switching	00	20
(b) 1	Different types of Ethernet	Alpi	
(c) :	Structure of IPV4	A. C.	
(d) I	Basic structure of HL7 message	150	
(e) 1	Network Attached Storage		
2. (a) Given:	1,2		10
Numb	er of needed subnets: 1000		10
Numb	er of needed usable hosts: 60		
	ork Address: 165.100.0.0		_
Find	(i) Custom subnet mask		
	(ii) Total number of subnets	•	
	(iii) Total number of host addresses	-	
	(iv) Number of usable addresses		
(h) With a	(v) Number of bits borrowed		
(o) willies	ample explain classless and class full addressing.		10
3 (a) With e	pitable grown Is and I is not a		
(b) Explai	uitable example explain RSA algorithm n TCP/IP Model in detail		10
a sid	TCI/IF Wodel in detail	*	10 .
4. (a) Draw a	laheled dia man a Carta		
(b) With a	labeled diagram and explain the components of PACS.		10
	neat diagram, explain the integration of information between H	IS/RIS/PACS	10
(b) Describ	the DICOM data communication model		10
	be the Patient Information Reconciliation (PIR) workflow		10
	notes on (Any 4)		10
(a) SY	ibstitution Cipher		20
(b) (S)	pernetting		20
Cey I	ANT		
Ay m	AN Topologies PPA		
			*
W. W.	b-based PACS model		