

देव संस्कृति विश्वविद्यालय

शान्तिकुन्ज, हरिद्वार

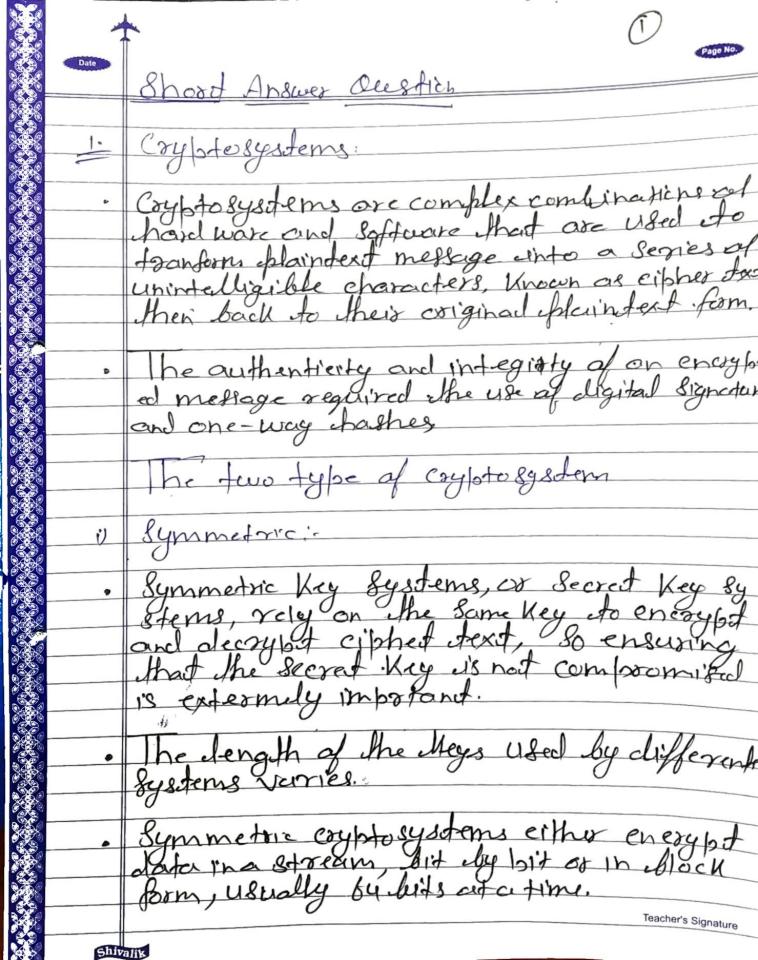
आन्तरिक मूल्यांकन परीक्षा – INTERNAL EVALUATION TEST

-	उत्तर-पुरितका			
	Student's Roll No. (in numbers)	824020	Paper code	
	परीक्षार्थी अनुक्रमांक (शब्दों में) Student's Roll No. (in words)	Sujeet kun	नामांकन संर Enrollment N	zırlumber
	Class BCACOTH Sem		Subject	aybtogaabhy
	दिनॉक 96 03 12 1 Date		ਰਿਕ Day	Forday
	प्रश्न पत्र संख्या Examination Paper Number			

लघुत्तरीय A.) Short Answer Type	,	shin/Total
1	2	
दीर्घ उत्तरीय B) Long Answer Type	į	
वुल योग अंकों में 7 TOTAL IN DIGITS		

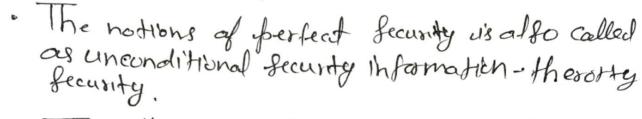
परीक्षाकी के स्ट्रताबार Signature of student's

परीक्षक के हस्ताबार Signature of Examiner



- · Asymmetric Key Systems, as public Key System, Use Josh a forwate and bulic Key Kry for encrypting and decrypting cipher, text.
 - · Another importents advantage to asymmes the System is that they provide enhances security in the form of digital signatures and strong they management.
 - · SHA-11's a hashing algorithm, rideal for spooning mestage intergoing.
 - · SHA-1 is used in SSL and IPsec.
 - · Cestificates are available for individuels, Organizatione, fervers and Software developers.

== Perfecty Security.



- The attack moded considered in the definition of sperefect fecunity is citathertend only-attack.
- · got is affumed that attaches i's computation ally a unbounded
- · Prefect Secrety achieved when

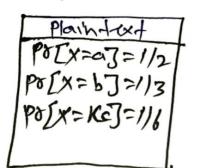
a posteriori probilites = a privri probobilities.

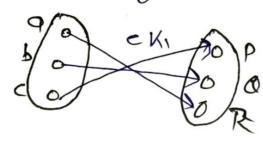
Po[XH] = Po[X]

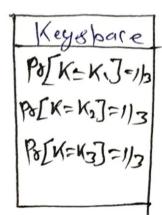
i'm the altach leavens nathing from the

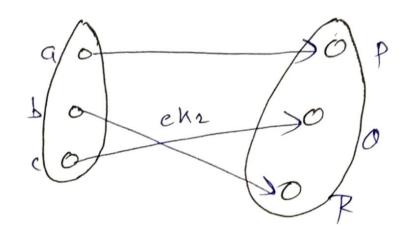
Example

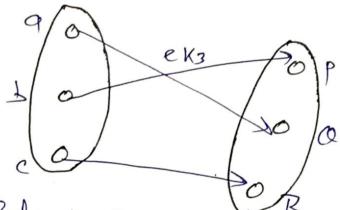
- · Find the a sposteriori spoobabilities for the fallewing Scheme
- · Verty that it is bertactly secret.



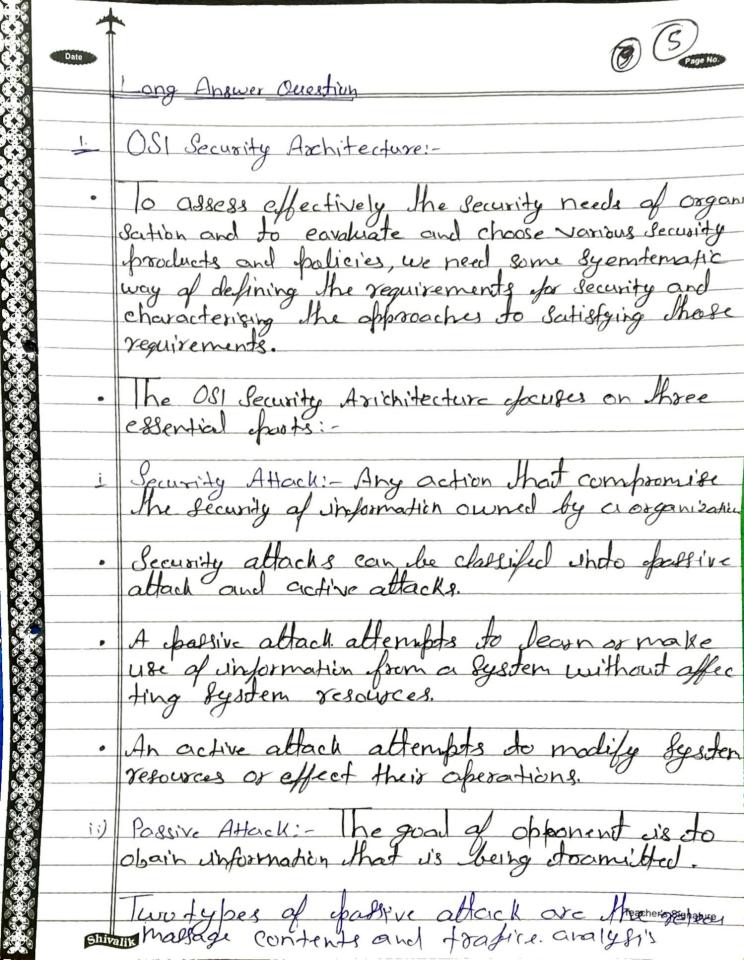


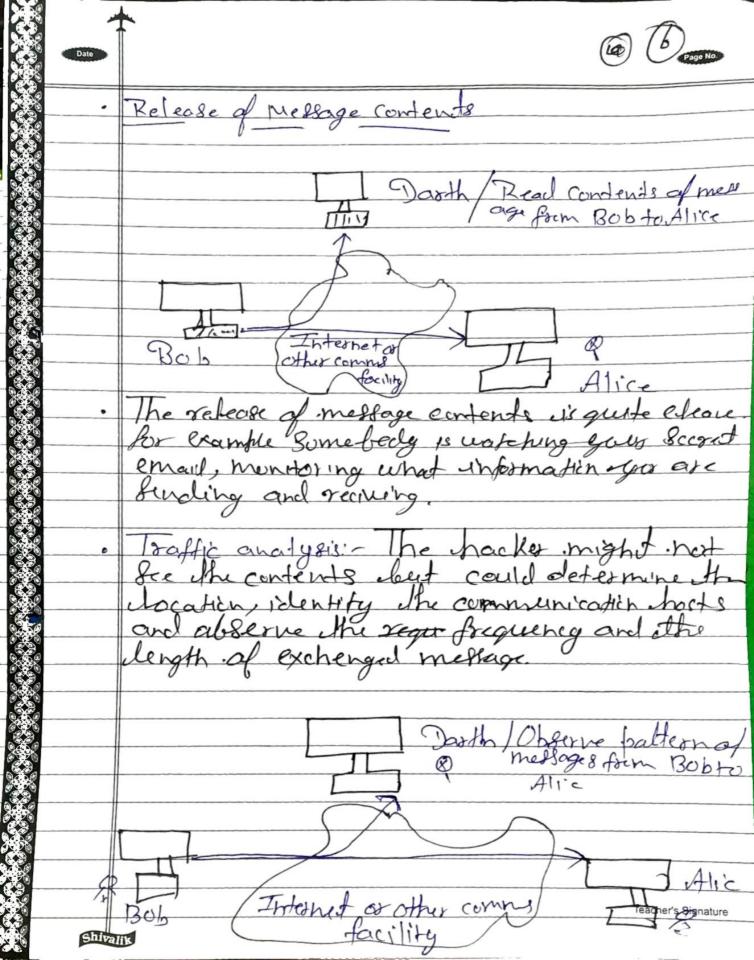






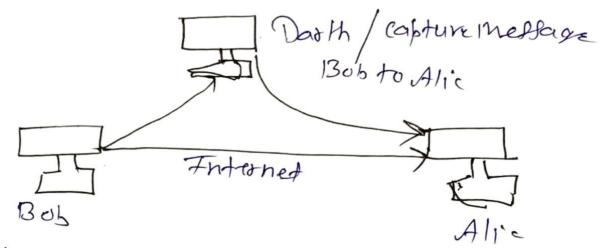
- Plaintent Set: P= 90, 9, 2, 7--- 257
- Ciphertent Set: = C=50,1,2,3,---257
- Keyspace: K=50,112,7,--.25}
- Encoypition Rule: ex(x)=(x+K) mod. 26,
- Decryption Rule: dk (x) = (x-k) mod 26 where KCK and XCP.





Security machanism: Any frocess that is used to detect, frevent or recover from a security altack. Security Service Any processing of communication service that enchances the security of data sprocessing systems and the wintermation tour fermation of an eogenisation. Active attack :-· Active attack involves some modification of date stream and creation of flace. · It can be be die d'vided into feur categories. i) Masquerade: One entity observends ato los a différent entity. For exmoles Ther net/or Teacher's Signature Shivally

dota unit and its subsequent refermement to foculare on unauthorises. Charle



iii) Modifactions of Message: Means some protion of a legitimate message is aftered: for example message mens " g am Sufit" is aftered to be glast

