	Date:	•
	Greneral Science & Ability	6
	Past Paper Questions	6
Dn6.1	where and how Fiber Optics are	
	used? Also usite down theter	
	advantages and disadvantages (2020)	•
	Tolan A for a -	
		6
	medium and technology to	
	transmit information as light	
	a colored along the hallow	
	allate Tulbo of Warnenge	
	information in form of light.	
	information in form of light. Uses of Fiber optics:	
(i)	Transmission of information:	
	Transmission of information: 9t is used to transmit	757
	information in form of light	
	more efficiently than other means like copper etc for	
	means Dixe Copper etc for	
	Dong distance.	
(20)	medical use:	0
	Fiber optis are used in treating	
	analysing strenged diseases They	
	analysing diseased diseaces Thou are small enough that can	17
H	The Street Country of	16

D a	te:
6	Send in Good Veins. They help to
	dispilay inner organs without
•	Surgery.
	Working of Fiber Offics:
	Fiber aptics through light form.
•	It need a sender device which
•	Send signal in light form
•	and transmit it It also need
•	a piceular who reche its
•	signals. Total of m (bobby)
	D. Pive
	Serder Giber optics structure
	THE RELEASE OF THE PROPERTY OF THE PARTY OF
	Advantages:
	Advantages of fiber opities are
	as follows
(i)	Weight: Fiber gates are
	much thinner their capper
	with earnal cognility of toom
	Hing information . It is less weighted
,	and easy to install.

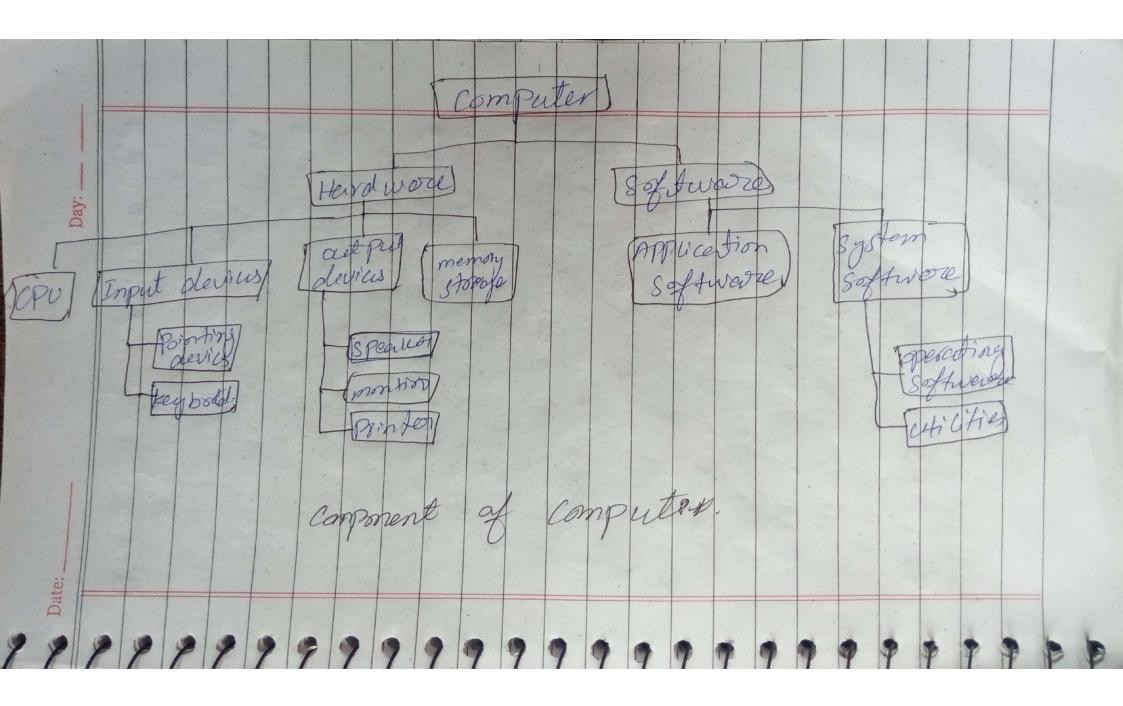
	Date: Day:	- 6
(")	Safety: They are more safe.	•
	than copper because that are	
	d'electic and present no	-
	sports harried.	
	Low signed 1085: 9t do low	
	signal loss than capper wines	•
,	and gave long distance	
	transmission of 2000 in Them	•
	copper which is 100 m.	
	Disadvantages: cost: st is costly to	-
(1)	instell but due longrer than	-
100	of need to choose after	
C' J	some distance.	
Ono2	Rive a brief account of	
	OPtic Gbres, what is their	•
	importence in present day	
	telecom system? (2019)	
	Fiber Optics:	~
	Optics is study	•
	of light and of propagation	(

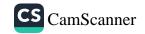
5 Da	nte: Day:	
	tiber optic is a medium and	
	the though to transmit informat	iôn
•	agree impuses along	
•	no hollow aloss teches It	
	in form of light.	
•	in form of light.	
•	Structure of Fiber Optics:	
	Minli	
9	Fiber Optic is consist on 40	
•	parts; the cores the classling,	
•	the conting of buffer and	
•	the jacket. Core is certiful	
		7.8
	part of optic fiber and	
3	made of glass. It is povered	
3	prefected by larger colled cladding which is made of Plast	
•	cladeling which is made of Plasts	<u>C</u> ,
•		
•		
•	25	
•	c loobly	
•	, ,	
3	buffler jackel	
	structure of fiber optic	

Date	Day:
11.7.	montence:
-1/1	Fiber optic hours
T a	reat conficures in present
0	ley topism system. It is
T-	expring multiple function
1	a double raiting. 9t is
	sed to transmit information
P	fricently and with more
6	flicently and with more onse in from of light.
9	t is better than copper
K	In long distance Exansmission
0	installment, cost and
Se	stety Further, it is used
1	medical field of help
D	dispose the disease.
0	it display the inner and
n	rind organs of horson
1	ody without performing liney
n	novelour; it is used in all
C	communication fields.

Date	Day:	
On3	Differentiate between RAM and Rom. RAM and RAM 1 Ah 199	(2017)
6	RAM and Rom both are	
6	types of internal memory	
	Storage of computer but	
•	manner. Afficients in following	
•	RAM: RAM (Random Acoss	
•	memory) as it name shows	
•	that it can access any cell	
	of memory of computer. The	
•	cell thip on in modules.	
	RAM perform fast working than any other program. So	
	as RAM of a computer	
	increased, the working speed	
0	also increased of coin also	
	read and write. The dorta	
-	ctoked in RAM is temporary	
, 0	not computer shorts dada	
	josses. 9t is volatile memory	
	V	
Tall		

	-
Date: Day:	-
Rom: Rom (Read only memory)	
is hard wired instructions	
that works as computer poosts.	
It can only read but	6
carrot charge 9t is	
permanent meaning as if	
computer shuts down the	6
derta still remains et	
is por Volatile nemary.	6
Droy. Drow a basic computer	-
brock diagram and briefly	-
exploin the functions of each	
Papt. (2017)	
Computer : Computer :5 a tachinos	
machine which collects toensmit	-
deta under the control of	
instructions stored in its	
own memmy and stored	1 1 1 1 1 1 1 1 1 1 1 1
9 80 cess doita for faitere	-
use gt consist on following	100
parts: meinly on hardware	
and Soft were.	6





Day: _ Date: Hardware: Physical pants and other devices (external) is hardwater. It is also to run Software. Hardware devices consist on internal devices like motherbaid etc and on externel devices like mointo, printer etc. USB, mouse also are externel devices Enternal devices are also called periphen devices output devices: output devices ace devices that gave output instructions. These are greates monitor, Printer etc. Input devices: input devices une devices that communicate user with computer. These are pointing devices, keybord-etc CPU: CPU (central Processing Unit) is brown of computer and mode up of small chips

Dat	Day:	
	Memory Storage: Data is stored	
	in numeric number in computer	
	memory mostly in binary	
	memory. mostly in binary digit I and O. 9t stored	
	to m of bits. Computer	
	for less pents	
	and enternal	
	of two is competer Softupos	
•	Softweell is a bottom	
)	t encoded intomation of	
	inspections opposite	
•	a narawata	
	Operating Software o operating	
	Strade pergin function	
	of computers.	
	System soft who are	
	System softwere: System Software directly controls	
	midwore, perform basic function	
	application ent to serve for	3
	application software	
,	J. www.	

	e:
2006 11	exite a short note on
A	vrite a short note on prtifical intelligence. (2016)
	1141 Car manyanes.
F	
	Ashficial Intelligence: Ashficial Ashificial Ashificial
(en intelligence is science and
6	engering of making intelligent
1	nachtnes.
Č	John McCarthy has introduced
j.	to concept in 1930 cure
	defined it as "Science and
. 6	nachines which we able
	to perform human like
7	
t	AI is used in all field of
	life in present day. 9t
	comprise on following three
	Pertit parots: Cognétive , roboties
/	and natural.
	Cognétiu: in cognétive teurs,
	AT analysis field of Phycicology
	mathmatics etc.

Date:	Day:
est get dri	ed to know how
	one work and
	performed the
functions a	instructor, gemostic
and solve	re fuzza dorto.
	V
Robotics : I	n Robotics, Al is
mainly co	ncerned with Robots
and Technolog.	It consist on
Visual d	iplay slocomotion
	doed with natural
	homans with
sobots lite	e communicating etc.
•	7
Eggnitive)	Robotics produced)
Instruction	
Fuzzy dova	Visual display multidisplians
	tenting)
[Agendhi]	L'multining desploning