# Question Booklet Series: A

Question Booklet Serial No.: 100288

# **PULEET - 2019**

Important: Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.	(In Figure)		(In Words)	
O.M.R. Ans	swer Shee	et Serial No.		
Signature of Ca	ndidate:		Signature of Invi	igilator:
Time: 100 M	inutes	Number of 0	Questions: 100	Maximum Marks: 100

### DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO.

#### INSTRUCTIONS:

- Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
- Enter the Question Booklet Serial No. on the OMR Answer Sheet. Darken the corresponding bubbles with Black Ball Point/Black Gel Pen.
- 3. Do not make any identification mark on the Answer Sheet or Question Booklet.
- Please check that this Question Booklet contains 100 Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
- 5. Each question has four alternative answer (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Black Ball Point/Black Gel Pen. There shall be negative marking for wrong answer, ¼ of the marks of the question will be deducted for every wrong answer.
- If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
- 7. 35 minutes Extra would be given to the visually handicapped/PwD Candidates.
- Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the question given in the Question Booklet.
- 9. If you want to change an already marked answer, erase the shade in the darkened bubble completely.
- 10. For rough work only the blank sheet at the end of the Question Booklet be used.
- 11. The University will provide Logarithmic table. Borrowing of log table or other material is not allowed.
- 12. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.
- 13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant Superintendent on duty.
- 14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
- 15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistant or found giving or receiving assistant or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- 16. Communication equipment such as mobile phones, pager, wireless set, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. Use of calculators is not allowed.
- 17. The candidates will not be allowed to leave the Examination Hall/Room before the expiry of the allotted time.



## (PULEET-2019)

	(A) 2000	(B) 5050	(C) 1600	(D) 3100
2.	Find the rank of th	e matrix $M = \begin{bmatrix} 1 & -2 \\ 2 & 1 \\ 0 & 1 \end{bmatrix}$	$\begin{bmatrix} 0 & 1 \\ 5 & -3 \\ 3 & 5 \end{bmatrix}$ .	
	(A) 4	(B) 2	(C) 3	(D) 1
3.	Find an equation of line $x-2y = 3$ . (A) $3x-y-7=0$ , $x+3=0$		the point (3,2) and n (B) 2x+y=8	naking angle 45° with the
	(C) $3x+2y=13, -3$	x+ 2y+5=0	(D) 4x-y-10=0, 2:	x+3y= 12
4.	Let $f(x, y, z) = 0$ .	Then find the value of	of $\left(\frac{\partial x}{\partial y}\right)_z \left(\frac{\partial y}{\partial z}\right)_x \left(\frac{\partial z}{\partial x}\right)_y$ .	
	(A)0	(B) 1	(C) 2	(D) -1
5.	Find the point on t	he plane x+2y+3z=13	closet to the point (1,1	,1).
	(A) (3/2, 2, 5/2)	(B) (1,0,4)	(C) (0,2,3)	(D) (2,4,1)
6.	Find the general so $(A)\ln(xy) = c$	olution of the different	ial equation: $y dx - x$ (B) $\ln(xy) + y^3 = x$	
	(C) $\ln\left(\frac{x}{y}\right) - y^3 =$	c	(D) $\ln\left(\frac{x}{y}\right) + y^3 =$	: c
7.	Find the area of th	e region cut from the	first quadrant by the ca	rdioid $r = (1 + \sin \theta)$ .
	(A) 2 π	(B) $3\frac{\pi}{8} + 1$	(C) $3\frac{\pi}{8} - 1$	(D) $2\pi + 1$
8.	Find the curvature $b^2 \neq 0$ .	for the helix $\vec{r}(t) =$	$(a\cos t \ \hat{\imath} + a\sin t \ \hat{\jmath}$	$+bt \hat{k},  a,b \ge 0, a^2 +$
	(A) $\frac{a}{b}$	(B) $\frac{a}{a+b}$	(C) $\frac{b}{a^2+b^2}$	(D) $\frac{a}{a^2+b^2}$
9.	Let C be the bound	dary of a region on wh	nich Green's theorem h	olds. Use Green's theorem
	to calculate $\oint_C f($			
	(A) 0 (C) -1		(B) Area enclosed (D) 1	by curve C
10			y revolving the region	bounded by
		$x = 0, y = -1, y = $ (B) 3 $\pi$	1 about y-axis. (C) π	(D) 4 π
11	The length of a co	opper wire is increased new resistance of the	d to three times its orig wire will be	ginal length with no change
	(A) 9 times	(B) 1/9 times	(C) 3 times	(D) Remains same
12	. At high temperatu (A) T <sup>3</sup>	res, the lattice specific	c heat of a solid varies (C) A constant	as (D) 1/T
	No. Co.	(-) ·	(c) is constant	(1) 1/1



	-	red in a uniform magn	netic field in a direction
<ul><li>(A) Direction is cha</li></ul>	inged	(B) Velocity is chan	ged.
(C) Energy is chang	ged	(D) Motion is unaffe	ected.
(A) Lose more P.E. (B) Are in contact v (C) Have higher av	, then the gas exerts me when they strike the w with the walls for very erage velocities and the	ore pressure on the wal valls short duration	ls because its molecules
15. Polarisation cannot	occur in		
(A) Light waves	(B) Sound waves	(C) X-rays	(D) Radio waves
when the movable	mirror is moved by 29.	5μm, the wavelength of	of light used is
(A) 590 nm	(B) 295 nm	(C) 450 nm	(D) 530 nm
17. The packing fraction	on of the fcc structure is	S	
(A) 68%	(B) 52%	(C) 74%	(D) 92%
18. The de-broglie way	velength, λ, of a movin	g particle is associated	with its K.E., E as
(A) λ∝E	(B) λ ∞ 1/E	(C) λ ∝ √E	(D) $\lambda \propto 1/\sqrt{E}$
			point at a depth 'd' fron
(A) mgd	(B) 2mgd	(C) -mgd	(D) zero
		oaches a stationary ca	r at 20m/s. The frequency
(A) 531 Hz	(B) 472 Hz	(C) 500 Hz	(D) 495 Hz
current of 1 amper			
Control of the contro	A	(B) Will fall to less	s than 0.1A
(C) Will rise		(D) Will remain at	
effective value of			
	0 V	(B) 220V/√3=127	V
(C) 220V		(D) 220V x √2=31	
		peres when the applied	voltage is (60+j20)V. Th
(A)(2-j6)Ω	(B) (2+j6)Ω	(C) (5.2+j3.6)Ω	(D) (5.2-j3.6)Ω
	parallel to field line (A) Direction is cha (C) Energy is chang  14. An ideal gas is encomple is increased (A) Lose more P.E. (B) Are in contact of (C) Have higher av (D) Lose KE when  15. Polarisation cannot (A) Light waves  16. In a Michelson intwhen the movable of (A) 590 nm  17. The packing fraction (A) 68%  18. The de-broglie wav (A) λ∝E  19. The change in P.E. ground level to a p (A) mgd  20. The fire engine with of siren heard by a contact of 1 ampericurrent (A) Will fall to 0.1 (C) Will rise  21. In each of the three effective value of the voltmeters? (A) 220V x √3=38 (C) 220V  23. The current in serial impedance of the contact of th	parallel to field lines, the particle's  (A) Direction is changed  (C) Energy is changed  14. An ideal gas is enclosed in a rigid contains ample is increased, then the gas exerts me  (A) Lose more P.E. when they strike the we  (B) Are in contact with the walls for very  (C) Have higher average velocities and the  (D) Lose KE when they strike the walls  15. Polarisation cannot occur in  (A) Light waves  (B) Sound waves  16. In a Michelson interferometer experiment when the movable mirror is moved by 29.  (A) 590 nm  (B) 295 nm  17. The packing fraction of the fcc structure in  (A) 68%  (B) 52%  18. The de-broglie wavelength, λ, of a movin (A) λ∞E  (B) λ ∞ 1/E  19. The change in P.E. when a body of mass ground level to a point at a height 'd' from (A) mgd'  (B) 2mgd  20. The fire engine with a 500 Hz siren approf siren heard by a person in the car is  (A) 531 Hz  (B) 472 Hz  21. A choke which is purely inductive is sucurrent of 1 ampere. The frequency is incourrent (A) Will fall to 0.1 A  (C) Will rise  22. In each of the three coils of a three pheffective value of 220V is induced. Wholl the current in series circuit is (6-j8) amprimpedance of the circuit is	(A) Direction is changed (C) Energy is changed (C) Energy is changed (D) Motion is unaffer  14. An ideal gas is enclosed in a rigid container of volume V. Whe sample is increased, then the gas exerts more pressure on the wall (A) Lose more P.E. when they strike the walls (B) Are in contact with the walls for very short duration (C) Have higher average velocities and they strike the walls more (D) Lose KE when they strike the walls  15. Polarisation cannot occur in (A) Light waves (B) Sound waves (C) X-rays  16. In a Michelson interferometer experiment, if fringe pattern ge when the movable mirror is moved by 29.5μm, the wavelength of (A) 590 nm (B) 295 nm (C) 450 nm  17. The packing fraction of the fcc structure is (A) 68% (B) 52% (C) 74%  18. The de-broglie wavelength, λ, of a moving particle is associated (A) λ∝E (B) λ ∞ 1/E (C) λ ∞ √E  19. The change in P.E. when a body of mass m is moved from a ground level to a point at a height 'd' from ground level is (A) mgd (B) 2mgd (C) -mgd  20. The fire engine with a 500 Hz siren approaches a stationary can of siren heard by a person in the car is (A) 531 Hz (B) 472 Hz (C) 500 Hz  21. A choke which is purely inductive is subjected to a voltage of current of 1 ampere. The frequency is increased to 500 Hz keep current (A) Will fall to 0.1 A (B) Will fall to less (C) Will rise  22. In each of the three coils of a three phase generator, an alteeffective value of 220V is induced. Which of the following voltmeters? (A) 220V x √3=380 V (B) 220V / √3=127 (D) 220V x √2=31  23. The current in series circuit is (6-j8) amperes when the applied impedance of the circuit is

24. A uniform ring of	mild steel (µ <sub>r</sub> =500) h	na s a cross sectional :	area of 40 cm <sup>2</sup>	and a mean
	5 cm. The mmf neces			
approximately				
(A) 100 AT	(B) 200 AT	(C) 300 AT	(D) 400 A7	Γ
25. The form factor is	the setie of			
(A) average value		(D) mas value to a	anaman value	
(C) peak value to		(B) rms value to average value (D) peak value to average value		
(C) peak value to a	average value	(D) peak value to	average value	
26. If the starting wind	ding of a single phase	induction motor is left	in the circuit	
(A) The motor wi				
(B) The motor wi	ll run slower			
(C) There will be	undue sparking			
(D) The auxiliary	winding will get over	heated due to continuo	ous flow of curre	ent and may
get damaged				
27 A do do do do	t b-111 220 b		1 11	NT 161.1
	tor builds up 230 volt			
build up is	ckwise direction, with	other things remaining	ng unchanged, t	hen voltage
(A)230V		(D) A little lane to	220	
(C) More than 23	Oxolte	(B) A little less than 230 volts		
(C) More than 25	O VOILS	(D) Not possible		
28. Short circuit test of	on a transformer canno	t be used to determine		
(A) Full load copp		(B) Equivalent re		ctance
(C) Regulation		(D) Core losses		
	ssible speed of a 3-pha	ase squirrel cage induc	ction motor runn	ing at a slip
of 4% is	(T): 2000			
(A) 1440 rpm	(B) 3000 rpm	(C) 2880 rpm	(D) 960 rp	m
30. What is the step a	angle of a permanent-	magnet stepper motor	r having 8 state	r pole and 6
rotor poles?	Br. s. a Francisco	Burr prepper more	in this o outlo	pore una o
(A) 60°	(B) 45°	(C) 30°	(D) 15°	
			Charles and	
	current in a p-n diode i			
<ul><li>(A) Minority carr</li></ul>		<ul><li>(B) Majority carr</li></ul>	riers	
(C) Electrons onl	ly	(D) Holes only		
32. A BJT is a				
(A) Current –Con	strolled device	(B) Voltage - Co	ntrolled device	
(C) Power- Controlled device		(B) Voltage - Controlled device (D) Field- Controlled device		
(C) Tower-Com	ioned device	(D) Field-Colla	oned device	
33. A device that con	verts thermal energy is	nto electrical energy is	called a:	
(A) Solar cell		(B) Thermocoup		
(C) Piezoelectric	device	(D) generator		

(A) V <sub>D</sub> (B) V <sub>C</sub> (C) I <sub>D</sub>	os of one polarit constitutes either			
35. The rip (A) 1.2		full-wave rectifier is r (B) 0.87	nearly: (C) 0.48	(D) 0.23
	t impedance of finite	an ideal op-amp is: (B) Very high	(C) Low	(D) Zero
(A) C	of the following of the	г	(B) Clapp oscillator (D) Crystal Oscillator	nt oscillation frequency?
(A) O	R gates only	) logic gates can be co gates, and NOT gates	(B) AND gates and	NOT gates
(A) A	flip-flop with a 20 KHz square onstantly Low	J = 1 and K = 1 has a 2 wave	20 kHz clock input. Th (B) A 10 KHz squar (D) Constantly High	re wave
modu		each sideband, if pow tude modulated signal (B) 15.84 W		176W and there is 60% (D) 176 W
41. Find	output of follow #include <std int main() { char str[] = " int a = 100; printf(a &gt; 10 return 0;</std 	io.h>	r);	
	if(!a>= 500) b = 300; c = 400;	lio.h> b = 200, c = 300;	(C) Smaller	(D) Greater
(A)	100, 200, 300	(B) 100, 300, 300	(C) 100, 300, 400	(D) 100, 200, 400



```
43. The value of count in the given program will be
           #include <stdio.h>
           int main()
           inti = 0;
           int count=0;
           while(i \le 255)
           printf("%d", i);
           i+=3;
               count ++:
           printf("\n%d", count);
            return 0:
           }
    (A) 89
                          (B) 0
                                                (C) 86
                                                                      (D) 87
44. Which of the following is not a reserved keyword in C?
    (A) Print
                          (B) Default
                                                (C) Case
                                                                      (D) Auto
45. What is the correct value to be returned to operating system upon successful completion
    of the program?
    (A)1
                                                (B) -1
    (C) 0
                                                (D) Programs don't return a value
46. What will be the output of the program
            #include <stdio.h>
            int main()
              char ch;
            inti;
            ch ='G';
            i =ch - 'A':
            printf("%d",i);
              return 0;
    (A)6
                           (B) 5
                                                 (C) 7
                                                                       (D) Compiler error
 47. Which option of rm command is used to remove a directory with all its subdirectories
                                                 (C)-p
    (A)-b
                           (B) -o
                                                                       (D) -r
 48. Consider the following C declaration
                   struct {
                       short s[5];
                       union {
                       float y;
                       long z;
                       } u:
                       }t;
```

(5)

(C)	$(\partial p/p) + (g$	dz) + (v dv) = 0	(D) $(p dp) + (g dp)$	dz) + (v dv) = 0
Wh velo (A)	ere, $\rho = \text{dens}$ ocity of the flo $(\partial p / \rho) + (\partial \rho)$	ity of the fluid, $p = y$ uid $(g/\rho) + (\partial v/\rho) = 0$	pressure force, $g = acc$ (B) $(\partial p / \rho) + (\partial$	eleration due to gravity, $v = vg/\rho + (v dv) = 0$
57. Wh	at is the corre	ct formula for Euler's	equation of motion?	
	(1), (2) and (		(D) (1), (2), (3)	and (4)
	(1), (2) and (		(B) (1), (3) and (	(4)
4. T	he heat transf	er into or out of fluid	should be zero to apply	y Bernoulli's principle
2. 1 3. T	he flow of flu	id is rotational for Be	ernoulli's principle	
1. B	ernoulli's prii	ce and pressure force	ideal incompressible fi es are only considered in	n Bernoulli's principle
56. Whi	ch of the foll	owing sentences are t	rue for Bernoulli's equa	hid
	Zero	(B) Maximum	(C) Minimum	
		n, slope and deflectio		(D) Negligible
500000	536 100 25 6 4 6 7 0			0.00
	e relation ( T Elasticity	(B) Plasticity	letter G denotes modu (C) Rigidity	(D) Resilience
	Lat con	(I - (I0/E I II) (I	latter C danatas mada	lue of
	atent heat of		(D) Sensible heat	t of a substance
		of a substance	(B) Specific heat	
temn	erature is cal	led as	a mar amor or proper	
53. The	amount of h	eat required to raise	a unit mass of substa	ance through a unit rise in
temp	clic heat en erature of 27 00 %	gine operates betwee °C. What will be the (B) 80 %	en a source temperatu maximum efficiency of (C) 75 %	are of 927 °C and a sink f the heat engine? (D) 70 %
		3.879/37033030		0.000.00
51. The c		action of superheated (B) $x=0.9$	(C) x= 0.999	(D) $x = 1$
F			steem is token or	
(2)	int new_fu	nc();		
(D)	int func();			
	float func(i	nt ,int, char);		
(C)	int func(flo			
	int func(int	,		
(B)	int func(int			
	arout runer(			
(A)	2000 100 100 100 100 100 100 100 100 100	int); float, float);		
		ving explains Polymo	orphism?	
(A)EI	capsulation	(b) Abstraction	(C) Interitance	(D) Lorymorphism
		ws you to reuse the w (B) Abstraction	ritten code? (C) Inheritance	(D) Polymorphism
(11)22	0,100	(2) 10 2) 11	(-,	
(A) 22		(B) 18 bytes	(C) 14 bytes	(D) 10 bytes
harter	nonnastival.	The memory requires	ment for variable tie	
Assum	e that the ob	iects of the type sho	rt, float and long occu	py 2 bytes, 4 bytes and 8

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201	(A) Uniform flow	s and streakines are v	(B) Flow of ideal fluid	ds
	(C) Steady flow		(D) Non-uniform flow	
59.			terial. The diameter of ansmitted by shaft A to	shaft B is twice that of
	(A) ½	(B) 1/4	(C) 1/8	(D) 1/16
60.	For a given set of occurs for	operating pressure lin	mits of Rankine cycle,	the highest efficiency
	(A) Saturated cycle (C) Reheat cycle		(B) Superheated cycle (D) Regenerative cyc	
61	. Ordinary Portland ce	ement (OPC) has been	classified into how mar	ny grades?
	(A) 2	(B) 3	(C) 10	(D) 5
62	. Which of the follow	ing bricks is not prefer	red?	
	(A) Sharp-edged	(B) Clamp burned	(C) Sound-proofed	(D) Kiln burned
63	What should be place vertical joint?	ced at the beginning of	f every header course in	n English bond to avoid
	(A) Queen closer	(B) Half bat	(C) Three fourth bat	(D) King closer
64	A. Which of the below (A) Smooth texture	property of aggregates (B) Well graded	s is not desirable? (C) Angular shape	(D) Smaller size
65	5. Permanent dimension	on changes due to load	ing is termed as:	
	(A) Strain	(B) Extent	(C) Creep	(D) Ambit
66	6. In which beam tensi steel and concrete?	ion capacity of steel is	greater than combined	compression capacity of
	(A) Under-reinforce (C) Doubly reinforce		(B) Singly reinforced (D) Over-reinforced	1
6	7. Which of the below	leads to disturbance o	f nitrogen fixation in the	e soil?
	(A)Urban waste	(B) Fertilizers	(C) Pesticides	(D) Industrial effluents
65		drawing lines between (B) French curve	n points in a contour lin (C) C-curve	e is: (D) Inverted curve
	O The design consider	estion of highways dos	on't inalisday	
0:	(A) Settlement	ration of highways doc (B) Cross section	(C) Level of service	(D) Sight distance
7	0. Which of the below	is a disadvantage of f		
	(A) Ease of construc		(B) Economy	
	(C) Speed of constr	uction	(D) Span length	
7	1. 1 bar pressure is eq		0.2000000000000000000000000000000000000	20002000
	(A) 10 kPa	(B) 100 kPa	(C) 1000 kPa	(D) 10000 kPa

72. Find out the dimensio	nless quantity				
(A) Pressure (C) Viscosity		(B) Reynolds number (D) Density			
73. How many g moles o		of H <sub>2</sub> SO <sub>4</sub> ?	(D) 0.3256		
(A) 0.4489	(B) 0.2245	(C) 0.1256	(D) 0.3230		
74. A cylinder contains 8 components are 4, 20 How many moles of 1	and 40 respectively)		olecular weights of the		
(A) I	(B) 2	(C) 4	(D) 6		
<ol> <li>Specific volume is the (A) Volume</li> </ol>	e inverse of (B) Pressure	(C) Density	(D) Flow rate		
76. How many gm of Na (A) 22	CI are required to pre (B) 44	epare 2.5 L of 0.6 M solu (C) 66	tion? (D) 88		
	4 + 0.128 T, where te	n as emperature (T) is express heat capacity if the temp			
(A) Heat capacity =	(A) Heat capacity = 76.4 + 0.070°R (C) Heat capacity = 276.4 + 0.071°R		<ul><li>(B) Heat capacity = 176.4 + 0.070*R</li><li>(D) Heat capacity = 376.4 + 0.071*R</li></ul>		
78. 40 psia equals					
(A) 175.64 kPa	(B) 275.64 kPa	(C) 375.64 kPa	(D) 475.64 kPa		
79. If the open end mar The manometer mea (A) Absolute pressu (C) Atmospheric pre	isures re	(B) Gauge pressure (D) Vacuum	k area there is vacuum.		
80. If 1 kg of butane is burned with O2, then how much kg of CO2 will produce by 40 lbutane?					
(A) 111.38	(B) 121.38	(C) 131.38	(D) 141.38		
81. Chemical with maxi (A) Chlorine (C) Oxygen	imum ozone depletin	g potential is (B) Nitrogen oxide (D) Chloro Fluoro C	arbons		
<ol> <li>Green House gases</li> <li>(A) CH<sub>4</sub>, N<sub>2</sub>, CO<sub>2</sub></li> </ol>		(C) CH <sub>4</sub> , CFC, CO <sub>2</sub>	(D) CFC, NH <sub>3</sub> , CO <sub>2</sub>		
83. The amount of heat (A) Agitation	liberated by complet (B) Combustion	e combustion of unit qua (C) Calorific Value	ntity of fuel is known a (D) Thermogenesis		
84. Laboratory gas is o (A) Gasoline	btained by the crackin (B) Kerosene	ng of (C) Diesel	(D) Fuel oil		
85. Which of the follow	ving does not cause the	he permanent hardness in	water?		
(A) Nitrates	(B) Sulphates	(C) Chlorides	(D) Bicarbonates		

86.	How many grams of MgCO <sub>3</sub> dissolved per litre gives 84 ppm hardness?				
		(B) 48.23 mg/L		(D) 66.12 mg/L	
87.	Total dissolved soli	ids (TDS) can be reduced	by the following me	ethod	
	(A)Distillation	(B) Reverse osmosis	(C) Ion exchange	(D) All of these	
88.	Chemical formula	of rust is			
	(A)Fe <sub>2</sub> O <sub>3</sub>	(B) FeO	(C) Fe <sub>3</sub> O <sub>4</sub>	(D) Fe <sub>2</sub> O <sub>3</sub> .xH <sub>2</sub> O	
89		n number actually repres			
	(A) Shells	(B) Sub shells	(C) Energy	(D) Heat	
90	. The nucleus of an a	atom contains			
	(A) Protons		(B) Electrons		
	(C) Protons and ne	utrons	(D) Neutrons		
91	. The joke was ba	ad taste.			
	(A) of	(B) in	(C) with	(D) at	
92	. Pick the correct op	tion:			
	(A) Short hair suits	her	(B) Short hair suits	with her	
	(C) Short hair suits	s of her	(D) Short hair suits	in her	
93	. My neighbor is	an operation tomorrow			
	(A)Taking	(B) Having	(C) Going	(D) Getting	
94	Saturday, w	e go shopping.			
	(A)On every	(B) In every	(C) Every	(D) Every one	
95	5. Empty vessels	the most sound			
	(A) Make	(B) Create	(C) Hear	(D) Produce	
96	. It was dark inside	so I a match.			
	(A)Lit	(B) Lighted	(C) Lighting	(D) Light	
9	7. Find the next num	ber in sequence - 104, 1	09,115, 122, 130,		
	(A) 138	(B) 139	(C) 141	(D) 135	
9	8. In a certain code F	PURPOSE is written as U	JPPRSOE, then WAT	ΓER is written as	
	(A)RETAW	(B) AWTER	(C) AWETR	(D) AWRTE	
9	9. If DOG is 26, then	n what is CAT			
	(A)23	(B) 24	(C) 25	(D) 26	
1				rn from point B to move 4	
	Km to point C WI (A)3.6	hat is the minimum dista (B) 5	nce from point A to I (C) 6	Pont C. (D) 3	
	()	(10)	(0)0	(0)	

X-X-X