## DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

## TEST BOOKLET SERIES

## TEST BOOKLET A.E. (E) HPPCL-2016



Time	Allowed : 2 Hours]		[Maximum	Marks	: 100
		All questions carry panal marks	e or		

## INSTRUCTIONS

- Immediately after the commencement of the examination, you should check that test booklet does not have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete test booklet.
- Encode clearly the test booklet series A, B, C or D as the case may be in the appropriate place in the answer-sheet.
- 3. Write your Roll Number only in the box provided alongside.

  Do not write anything else on the Test Booklet.
- This Test Booklet contains 100 items (questions). Each item comprises four responses (answers). Choose only one response for each item which you consider the best.
- 5. After the candidate has read each item in the Test Booklet and decided which of the given responses is correct or the best, he has to mark the circle containing the letter of the selected response by blackening it completely with Black or Blue ball pen. In the following example, response "C" is so marked:
  - A B D
- 6. Do the encoding carefully as given in the illustrations. While encoding your particulars or marking the answers on answer sheet, you should blacken the circle corresponding to the choice in full and no part of the circle should be left unfilled. After the response has been marked in the ANSWER SHEET, no erasing/fluid is allowed.
- You have to mark all your responses ONLY on the ANSWER SHEET separately given according to 'INSTRUCTIONS FOR CANDIDATES' already supplied to you. Responses marked on the Test Booklet or in any paper other than the answer sheet shall not be examined.
  - All items carry equal marks. Attempt all items. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet. There will be no negative marking.
  - Before you proceed to mark responses in the Answer Sheet fill in the particulars in the front portion of the Answer Sheet as per the instructions sent to you.
  - If a candidate gives more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct.
  - 11. After you have completed the test, hand over the Answer Sheet only, to the Invigilator.

Time Allowed: 2 Hours

[Maximum Marks: 100

HVDC transmission systems generally use : 1.

- 12 pulse converters (A)
- 6 pulse converters (B)
- 3 pulse converters
- Either 12 or 6 pulse converters

2. In auxiliary commutated chopper fed by Voltage V and having L and C commutating elements, the peak value of capacitor current is :

(A) 
$$\frac{\text{VC}}{\text{L}}$$

(B) 
$$\frac{\text{VC}}{\sqrt{\text{L}}}$$

(A) 
$$\frac{VC}{L}$$
  
(C)  $V\sqrt{\frac{C}{L}}$ 

(D) 
$$\sqrt{\frac{\text{VC}}{\text{L}}}$$

A load commutated chopper circuit has: 3.

(A) one thyristor

two thyristors (B)

(C) four thyristors

six thyristors

The power factor at the input terminals of a cycloconverter is generally : 4.

(A) low and leading

(B) low and lagging

(C) high and leading

(D) high and lagging

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5.	A synchronous operation between two systems of different frequencies is possible						
	for						
	(A)	A dc link		(B)	A low voltage ac	link	
	(C)	A high voltag	ge ac link	(D)	None of these		
6.	A 6	6 kV system ha	as string insula	tor havi	ng five discs and th	ne earth to disc	
	cap	acitance ratio o	of 0.10. The st	ring effic	iency will be :	(4)	
	(A)	89%		(B)	75%		
	(C)	67%		(D)	55%		
7.	A 1	00 km transmis	ssion line is des	signed for	r a nominal voltage	of 132 kV and	
	con	sists of one con	ductor per pha	se. The	line reactance is 0.	726 Ω/km. The	
	stat	cic transmission	capacity, in n	negawatt	s, would be :	9 (6	
52	(A)	132		(B)	240		
	(C)	416		(D)	720		
8.	Whi	ile using an air	-blast circuit b	reaker, c	urrent chopping is	a phenomenon	
	ofte	n observed whe	en :	12			
	(A)	A long overhe	ead line is swi	tched off			
i i	(B)	A bank of car	pacitors is swit	ched off	13		
	(C)	A transformer	on no-load is	switched	d off	1.04	
	(D)	A heavy load	is switched of	f		,	
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9.	The	most efficient torque-produ	cing act	uating struc	ture for ind	luction-	
	type	relays:					
	(A)	Shaded pole structure		5 S			
	(B)	Watt-hour-meter structure	38				
	(C)	Induction-cup structure	Æ.			E1	
	(D)	Single induction loop structu	ıre				
10.	A li	ghtning arrester connected be	etween li	ine and eartl	n in power s	ystem :	
	(A)	Protects the terminal equip	ment aga	ainst travelli	ng surge		
	(B)	Protects the terminal equip	ment aga	ainst direct l	ightning stro	ke	
	(C)	Suppresses high frequency	oscillatio	ns in the lin	e		
	(D)	Reflects back the travelling	waves a	approaching i	it		
11.	The transient stability limit of a power system can be appreciably increased						
	by	introducing:	4				
	(A)	series inductance	(B)	shunt indu	ctance		
	(C)	series capacitance	(D)	shunt capa	citance		
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12.	In a power station, the cost of generation of power reduces most
	effectively:
	(A) Diversity factor alone increases
	(B) Both diversity factor and load factor increase
	(C) Load factor alone increases
	(D) Both diversity factor and load factor decrease
13.	For the same voltage drop, increasing the voltage of distributor $n$ -times:
	(A) Reduces the x-section of the conductor by n-times
	(B) Increases the x-section of the conductor by n-times
	(C) Reduces the x-section of the conductor $n^2$ times
	(D) Increases the x-section of the conductor $n^2$ times
14.	If a 132 kV line passes over a residential building, the minimum vertical
	clearance from the roof of the building shall be:
	(A) 4.57 m (B) 5 m
	(C) 6 m (D) 3 m
15.	Which of the following affects the corona least?
	(A) Mean free length (B) Atmospheric temperature
	(C) Number of ions (D) Size and charge per ion
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16.	A 1	60 km, 110 kV transmission lin	e fall	s under the category of:
	(A)	Short transmission line	(B)	Medium transmission line
	(C)	Long transmission line	(D)	Ultra-high voltage line
17.	A ci	rcuit breaker under normal con	dition	is should be inspected once in :
	(A)	A week	(B)	A month
	(C)	3 or 6 months	(D)	5 years
18.	Dire	ectional over current relay is us	ed for	protection of:
	(A)	Long transmission line	(B)	Large power transformer
	(C)	Ring main distribution line	(D)	Radial distribution line
19.	Loca	ation of lightning arrester is ne	ar a	
	(A)	Generator	(B)	Transformer
	(C)	Bus-bar	(D)	Circuit breaker
20.	The	inertia constant of a 100 MVA,	11 k	V water wheel generator is 4. The
	ene	rgy stored in the rotor at the s	ynchr	onous speed is :
	(A)	400 MJ	(B)	400 kJ
	(C)	25 MJ	(D)	25 kJ
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21.	A lap wound armature winding, fitted with a commutator and a pair of
	brushes on it is rotated at a speed $N_r$ in a rotating magnetic field having
	P poles and rotating at a speed $N_f$ in a space $N_f$ and $N_r$ both being in the
	same direction. The frequency of induced voltage across the brushes on the
	commutator is

(A) 
$$\frac{N_f P}{120}$$

(B) 
$$\frac{\left(N_f - N_r\right)}{120}P$$

(C) 
$$\frac{\left(N_f + N_r\right)}{120}P$$

(D) 
$$\frac{N_rP}{120}$$

22. Laminated yoke in dc motor can reduce :

(A) Speed regulation

(B) Iron loss

(C) Temperature rise

(D) Sparking on load

23. A 250 V dc generator is run at rated speed with no excitation. The open circuit voltage will be:

- (A) Zero
- (B) Very small, say about 2 or 3 V
- (C) About 100 V
- (D) 250 V

24.	A dc shunt generator having	a shunt field	of 50 $\Omega$ was generating norma	lly
	at 1000 rpm. The critical resi	stance of the	machine was 80 Ω. Due to so	me
	reasons, the speed of the prin	ne-mover bec	omes such that the generator j	ust
	failed to operate. The speed	at that time	must have been:	
	(A) 1600 rpm	(B)	800 rpm	
	(C) 625 rpm	(D)	500 rpm	
25.	The current flowing through	armature co	onductor of a dc motor is:	
	(A) Pulsating	(B)	dc	
	(C) ac	(D)	None of these	
26.	In a Ward-Leonard drive, if t	he field curre	ent of the dc generator is sudde	nly
	reduced, the controlled dc m	otor operates	s:	
	(A) Still in motoring mode			
	(B) In dynamic braking mo	ode		
	(C) In counter-current brak	sing mode		
	(D) In regenerative braking	g mode		
27.	The efficiency of power tran	sformer is :		
	(A) 50%	(B)	60%	
	(C) 80%	(D)	95%	
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	3.7-35			

28.	At 50 Hz operation, a single phase transformer has hysteresis loss of
	200 W and eddy current loss of 100 W. Its core loss at 60 Hz operation
	will be:
	(A) 432 W (B) 408 W
	(C) 384 W (D) 360 W
29.	The efficiency of two identical transformers under load conditions can be
	determined by:
	(A) Back to back test (B) Open-circuit test
	(C) Short-circuit test (D) Any of these
30.	Two mechanically coupled alternators deliver power at 50 Hz and 60 Hz
	respectively. The highest speed of the alternators is :
	(A) 3,600 rpm (B) 3,000 rpm
	(C) 600 rpm (D) 500 rpm
31.	A synchronous machine connected to a power system grid bus-bar is operating
	as a generator. To make the machine operate as motor :
	(A) Direction of rotation is to be reversed
	(B) Phase-sequence is to be changed
	(C) Field excitation is to be decreased
	(D) Mechanical input is to be less than the losses at the shaft
A.E.	E) HPPCL-2016—A 9 P.T.O.

32.	When a synchronous motor is running at synchronous speed, the damper
	winding produces :
	(A) Damping torque
	(D) P.11
	(B) Eddy current torque
	(C) Torque aiding the developed torque
	(D) No torque
33.	A voltmeter gives 120 oscillations per minute when connected to the rotor
00.	A volumeter gives 120 oscillations per initiate when connected to the rotor
	of an induction motor. The stator frequency is 50 Hz. The slip of the
	motor is:
	(A) 2% (B) 2.5%
	(C) (D) F0
	(C) 4% (D) 5%
34.	Semi-closed or totally closed slots are used in induction motor essentially
	to:
	(A) Improve pull-down torque
	(B) Increase pull-out torque
	(C) Increase efficiency
	(D) Reduce magnetizing current and improve power factor
A.E.	(E) HPPCL-2016—A 10

35.	In a	a shaded-pole m	otor, shadi	ng coils ar	e used to :			
	(A)	Reduce windin	g losses					
	9220		2: 77					
	(B)	Reduce friction	losses					
	(C)	Produce rotati	ng magnet	ia Gald				
	(0)	Troduce rotati	ng magnet	ic neid				
	(D)	Protect agains	t sparking				*	
36.	The	translator progr	am that co	nverts sour	ce code in hig	h level la	inguage	into
	PD 0.0	dalaa aada Ilaa I	or the city	-11-1		2		
	mac	hine code line l	by line is c	caned :			25	
	(A)	Assembler		(B)	Compiler			
	(C)	Loader		(D)	Interpreter			3
							1 -	
37.	In a	8 bit micro-comp	uter, the fe	tch cycles re	quired to fetch	n an 8 byt	e instruc	ction
	will	be :		8				
	1809.00.00							
	(A)	2		9				
						75		
	(B)	4					8	
	(C)	8						
	(D)	D 1	11 1 1	Ĉ.	- V			
	(D)	Depends upon	tne design	oi micro-c	omputer			
A.E.	(E) H	PPCL-2016—A	.0	11			P.	T.O.

38.	What will be the contents of register	AL, af	ter the following has been executed
	MOV BL, 8C		
	MOV AL, 7E		
	ADD AL, BL		
	(A) OA and carry flag is set	(B)	OA and carry flag is reset
	(C) 6A and carry flag is set	(D)	6A and carry flag is reset
39.	8251 is a:		
	(A) UART		
	(B) USART		
	(C) Programmable Interrupt Cont	troller	
	(D) Programmable Interval timer	counte	er
40.	In 80186, the timer which connect	s to s	ystem clock :
	(A) Timer 0	(B)	Timer 1
	(C) Timer 2	(D)	Any one can be connected
41.	A zero to 300 V voltmeter has an	error o	of ± 2% of the full scale deflection
	If the true voltage is 30 V, the	rang	e of readings on this voltmeter
	would be:		
	(A) 20 V to 40 V	(B)	24 V to 36 V
	(C) 29.4 V to 30.6 V	(D)	29.94 V to 30.06 V
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	(A)	Springs	(1	B)	Permanent magnet	s	
	(C)	Controlling torques	(1	D)	Damping		
43.	Whi	ich of the following ins	truments is f	ree	from hysteresis and	eddy	current
	erro	ors ?					
	(A)	Moving iron instrum	ent				-
	(B)	Electrostatics instrun	nent				
	(C)	Moving coil permane	nt magnet t	ype	instrument		
	(D)	Moving coil dynamor	neter type in	ıstr	rument		
44.	In t	wo wattmeter method	of power mea	sur	rement, one of the wa	attmet	ers will
	show	w negative reading wh	ien the load	pov	wer factor angle is	strictly	у :
	(A)	Less than 30°	0	B)	Less than 60°		
	(C)	Greater than 30°	(1	D)	Greater than 60°		
45,	The	input impedance of (	CRO is nearl	у:			
	(A)	Zero	. 0	B)	10 Ω		
	(C)	100 Ω	(1	D)	1 ΜΩ		
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42. The term artificial aging in instrument is associated with :

	(A)	Wood	(B)	PVC	
	(C)	Mica	(D)	Glass	
47.	The	possible breakdown in solid	dielectric	cs may be :	100
	(A)	Electro-thermal	(B)	Electro-chemical	
	(C)	Purely electrical	(D)	All of these	
48.	The	materials which exhibit the	same elas	stic properties in all directions	aı
	calle	ed as:			
	(A)	Isotropic	(B)	Isentropic	
	(C)	Rubbers	(D)	Creep elastics	
49.	The	life of an insulating materi	al is affec	cted by :	
	(A)	Voltage application	(B)	Heat	
	(C)	Chemical action	(D)	All of these	
50.	Whi	ich of the following gases is	classified	as electro-negative ?	
	(A)	Sulphur hexafluoride	(B)	Methane	
	(C)	Ethane	(D)	Nitrogen	
A.E.	(E) H	PPCL-2016—A	14		

Insulation used in commutator is:

51.	The	frequen	cy and time	domain ar	e rela	ited through	h :	0/37 ×
	(A)	Laplace	Transform					3
	(B)	Fourier	Integral					7
	(C)	Laplace	Transform	and Fourie	r Inte	egral		
	(D)	None of	f the above			9		
52.	If u	nit step	function is a	pplied to fi	rst or	der system,	the ste	ady staté e
	will	be:						× :
	(A)	T			(B)	Zero		
	(C)	Unity			(D)	Varying w	vith tim	e
53.	The	damping	g ratio of th	e character	istic (	equation $s^2$	+ 2s +	8 = 0 :
	(A)	0.353			(B)	0.350		
	(C)	0.30			(D)	0.333		
54.	Con	sidering	the root locu	us diagram	for s	ystem with		
			$G(s) = -\frac{1}{s}$	(s + 2)(s +	$\frac{(s + 5)}{4)(s^2}$	+ 2s + 4	# # ®	
				* - 1/2 //	-1/-	/		- 2
56	the	meeting	points of th	e asymptot	es on	the real a	xis occu	rat:

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(A) -1.2

(C) -1.05

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(B) -0.85

(D) = 0.75

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55.	The state variab	le description of linear control system autonomous system
	is $\overline{X} = A\overline{X}$ where	$\overline{X}$ is two-dimensional state vector and A is a matrix given
8	by $A = \begin{bmatrix} 0 & 2 \\ 2 & 0 \end{bmatrix}$	the poles of the system are located at :
	(A) -2 and +2	(B) $-2j$ and $+2j$
	(C) -2 and -2	(D) +2 and +2

- 56. The input to the controller is :
  - (A) Sensed signal

(B) Desired variable value

(C) Error signal

- (D) Servo-signal
- 57. Peak overshoot of step-input response of an underdamped second order system is explicitly indicative of :
  - (A) Settling time

(B) Rise time

(C) Natural frequency

- (D) Damping ratio
- 58. The unity circle of Nyquist plot corresponds to the 0 db line of bode plot for:
  - (A) Low frequencies
  - (B) High frequencies
  - (C) Both low as well as high frequencies
  - (D) None of the above
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59.	Lag	compensation improv	es appreciab	oly th	ie:		
	(A)	Steady state frequen	cy (	(B)	Transient	response	
	(C)	Both (A) and (B)		(D)	None of th	nese	= a - 3
60.	In R	outh-Hurwitz criterior	, if all the el	emen	ts in one r	ow are zero	o, then there
	are						
	(A)	Pairs of conjugate re	oots on imag	ginar	y axis		
	(B)	Pairs of equal roots	with opposit	te sig	m .		
	(C)	Conjugate roots form	ning a quadi	rate	in the s-p	lane	
	(D)	All of the above		×, •			
61.	In a	travelling electroma	gnetic wave,	E a	nd H vect	or fields :	
	(A)	Perpendicular in spa	ce				
	(B)	Parallel in space			20 E		-
	(C)	E is in direction of	wave travel				
8	(D)	H is in direction of	wave travel		¥4		
62.	The	intrinsic impedance of	of free space	is :			
	(A)	75 Ω		(B)	73 Ω		
	(C)	120 $\pi\Omega$	(	(D)	377 Ω		
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63. Poisson's equation is given by :

(A) 
$$\nabla^2 V = \frac{-\rho}{\varepsilon}$$

(B) 
$$\nabla^2 V = -4\pi\sigma$$

(C) 
$$\nabla^2 V = -4\pi\rho$$

(D) 
$$\nabla^2 \nabla = 0$$

Poynting vector gives : 64.

- (A) Rate of energy flow
- Direction of polarization \* (B)
- (C) Intensity of electric field (D) Intensity of magnetic field

Superposition theorem is applicable only to networks that are :

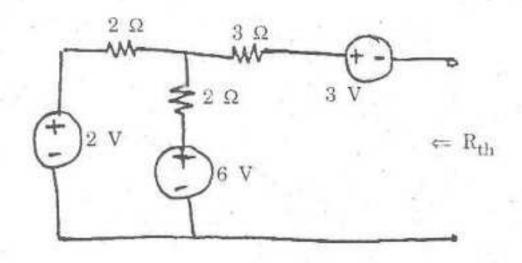
(A) Linear

(B) Nonlinear

(C) Time-invariant

(D) Passive

The Thevenin's equivalent resistance Rth for the given network :



(A) 2 Ω

(B) 3 Ω

(C) 4 Ω

(D) 5 Ω

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67.	Two inductors of value $L_1$ and $L_2$ are coupled by mutual inductance $M$ .
	By interconnection of the two elements one can obtain the maximum
	inductance of:
	(A) $L_1 + L_2 - M$ (B) $L_1 + L_2$
	(C) $L_1 + L_2 + M$ (D) $L_1 + L_2 + 2M$
68.	The poles of Butterworth polynomial lie on :
	(A) A parabola (B) A left semicircle
	(C) A right semicircle (D) An ellipse
69.	A two port network using Z parameter representation is said to be
	reciprocal if:
	(A) $Z_{11} = Z_{22}$ (B) $Z_{12} = Z_{21}$
	(C) $Z_{12} = -Z_{21}$ (D) $Z_{11}Z_{22} - Z_{12}Z_{21}$

70. The coupling between two magnetically coupled coils is said to be ideal if the coefficient of coupling is :

(A) 0

(B) 0.1

(C) 1

(D) 2

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71.	Thi	ree identical im	pedances are connec	cted in delta to a	3-phase supply of
	400	V. The line-cu	errent is 34.65 A and	d the total power	taken is 14.4 kW.
	The	resistance of l	load in each phase i	in ohms is :	
	(A)	20	(I	B) 16	
	(C)	12	(I	D) 10	
72.	The	NAND gate of	utput will be low if	the two inputs are	e :
	(A)	00	(E	B) 01	
	(C)	10	(D	D) 11	
73.	Hov	v many flip-flop	os are required for n	nod-16 counter ?	
	(A)	5	(В	3) 6	7
	(C)	3	Œ	0) 4	
74.	Whi	ch of the follow	ving is the fastest lo	ogic ?	
	(A)	TTL	(В	B) ECL	
	(C)	CMOS	(D	D) LSI	
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1.00							
75.	In a	applications where measurement	of a	physical	quantity is	involved,	the
	OPA	AMP circuit recommended is :					
	(A)	Basic non-inverting amplifier					iii.
	(B)	Comparator					
	(C)	Active filter				¥ .5	
	(D)	Instrumentation amplifier					
76.	A n	otch filter is :					10
	-(A)	Wide band pass filter	(B)	Narrow	band pass	ilter	
	(C)	Wide band reject filter	(D)	Narrow	band reject	filter	
77.	For	thyristors, plug triggering is pr	referr	ed to dc	triggering b	ecause :	
	(A)	Gate dissipation is low					
	(B)	Pulse system is simpler		9			
	(C)	Triggering system is required	for v	ery short	duration		
	(D)	All of the above					
78.	In co	onstant source inverter, if frequenc	ey of o	utput volt	age is f Hz, tl	nen freque	ncy
	of v	oltage input to constant source	inve	rter is :			
	(A)	f	(B)	2f			
	(C)	3f	(D)	4f			
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				17.
	(A) 0.2	(B)	0.5	
	(C) 0.7	(D)	0.8	
80.	The single pulse modulation	on of PWM in	nverters, third ha	armonics can be
	eliminated if the pulse wid	th is equal to	:	
	(A) 30°	(B)	60°	
	(C) 120°	(D)	None of these	
81.	According to 2011 Census v	which District	of H.P. has lowes	t literacy among
	females?			No.
	(A) Kinnaur	(B)	Kullu	
-	(C) Chamba	(D)	Lahul-Spiti	
82.	In which District of H.P. i	s Bhangyani t	emple ?	
	(A) Bilaspur	(B)	Solan	
	(C) Sirmaur	(D)	Kullu	
83.	Who founded the Guler pr	incely state?		
1	(A) Mauj Chand	(B)	Hari Chand	
	(C) Rattan Chand	(D)	Nand Chand	
A.E.	(E) HPPCL-2016—A	22		

In dc choppers, per unit ripple is maximum when duty cycle  $\alpha$  is :

84.	With which region of H.P. is Sheg	tsum f	festival mainly associated?
	(A) Kinnaur	(B)	Sirmaur
	(C) Una	(D)	Lahul-Spiti
	(0)		
85.	To which deity is Nawala festival	dedica	ted ?
	7.5 VF 31	(D)	Oh inne
	(A) Kali	(B)	Shiva
	(C) Ganesha	(D)	Visnu
86.	How much subsidy is given by th	е Н.Р.	Government on Poly houses ?
#	(A) 70 percent	(B)	75 percent
	(C) 80 percent	(D)	85 percent
87.	In which river basin is Rukti Hye	del Pro	ject ?
	(A) Satluj	(B)	Ravi
	(C) Beas	(D)	Yamuna
88.	What is the maximum distance	upto	which HRTC allows discount of
	passengers during return journey	under	its Green Card Scheme ?
	(A) 30 kms	(B)	40 kms
	(C) 50 kms	(D)	60 kms
A.E.	(E) HPPCL-2016—A	23	P.T.O.

	(A) Justice R.S. Pathak	(B) Justice T.U.	Mehta
	(C) Justice M.H. Beg	(D) Justice V.D.	Misra
90.	With which region of H.P. is Ka	yang dance mainly as	sociated ?
	(A) Bilaspur	(B) Sirmaur	
	(C) Una	(D) Kinnaur	
91.	Which North-Eastern State of I	dia has largest numb	er of Districts ?
	(A) Asom	(B) Arunachal P	radesh
	(C) Nagaland	(D) Meghalaya	
92.	What is major religion of Laks	adweep ?	
	(A) Hinduism	(B) Islam	
	(C) Christianity	(D) Jewish	
A.E.	. (E) HPPCL-2016—A	24	

Who was the first Chief Justice of H.P. High Court ?

	(A)	2001 AD	(B)	2003 AD	
	(C)	2008 AD	(D)	2014 AD	
94.	Whe	en was Jan Dhan Yojna	launched in	India ?	•
	(A)	August, 2014	(B)	October, 2014	
	(C)	December, 2014	(D)	January, 2015	
95.	Whe	en was Press Council of l	India set up	?	
	(A)	1955 AD	(B)	1966 AD	
	(C)	1977 AD	(D)	1988 AD	
96.	Whi	ch President of U.S.A. be	came the Ch	nief Justice of the Sup	reme Court
	afte	r the end of his Presiden	tial term ?		
	(A)	William Howard Taft	(B)	Calvin Coollidge	
	(C)	Herbert Clark Hoover	(D)	Grover Cleveland	
A.E.	(E) H	PPCL-2016—A	25		P.T.O.

When was the river Ganga declared a National River?

97.	To w	hich country did Miss Ar	iadna Gu	tierre	ez who was wrongly declare	d Miss
R.	Univ	erse 2015 belong ?				
	(A)	Thailand		(B)	Philippines	
	(C)	Columbia		(D)	Ireland	
98.	Wha	t is the currency of Pe	ople's Re	publi	c of China ?	
	(A)	Renminbi Yuan		(B)	Won	
	(C)	Yen		(D)	Kip	
99.	Who	is the author of Docto	r Zhivage	?		
	(A)	Stephen King		(B)	George Bernard Shaw	
	(C)	Boris Pasternak	1	(D)	Alexander Solzhenitsyn	
100.	How	many member nations	did UN	have	e when it was founded ?	
	(A)	48		(B)	51	
	(C)	63		(D)	74	
A.E.	(E) H	PPCL-2016—A	26			