सहामक अभिन्ना (निष्नुत) क्रेगी- 2, महा समि पर- व पूर्व परीक्षा-2010 Code: पर-11-2010 प्रश्नपुस्तिका क्रमांक

वेळ : $1\frac{1}{2}$ (दीड) तास

इंग्रजी व सामान्य अध्ययन

एकुण गुण: 150

सूचना

सदर प्रश्नपुस्तिकेत 150 अनिवार्य प्रश्न आहेत. उमेदवारांनी प्रश्नांची उत्तरे लिहिण्यास सुरुवात करण्यापूर्वी या (1)प्रश्नप्स्तिकेत सर्व प्रश्न आहेत किंवा नाहीत याची खात्री करून घ्यावी. असा तसेच अन्य काही दोष आढळल्यास ही प्रश्नपस्तिका समवेक्षकांकड्न लगेच बदलून घ्यावी.

आपला परीक्षा-क्रमांक ह्या चौकोनांत (2)न विसरता बॉलपेनने लिहावा.

परीक्षा-क्रमांक शेवटचा अंक केंद्राची संकेताक्षरे

- वर छापलेला प्रश्नपुस्तिका क्रमांक तुमच्या उत्तरपत्रिकेवर विशिष्ट जागी उत्तरपत्रिकेवरील सूचनेप्रमाणे न विसरता नमूद (3)
- या प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाला 4 पर्यायी उत्तरे सुचिवली असून त्यांना 1, 2, 3 आणि 4 असे क्रमांक दिलेले (4) आहेत. त्या चार उत्तरांपैकी सर्वात योग्य उत्तराचा क्रमांक उत्तरपत्रिकेवरील सूचनेप्रमाणे तुमच्या उत्तरपत्रिकेवर नम्द करावा. अशा प्रकारे उत्तरपत्रिकेवर उत्तरक्रमांक नमूद करताना तो संबंधित प्रश्नक्रमांकासमोर छायांकित करून दर्शविला जाईल याची काळजी घ्यावी. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.
- सर्व प्रश्नांना समान गुण आहेत. यास्तव सर्व प्रश्नांची उत्तरे द्यावीत. घाईमुळे चुका होणार नाहीत याची दक्षता घेऊनच (5)शक्य तितक्या वेगाने प्रश्न सोडवावेत. क्रमाने प्रश्न सोडविणे श्रेयस्कर आहे पण एखादा प्रश्न कठीण वाटल्यास त्यावर वेळ न घालविता पुढील प्रश्नाकडे वळावे. अशा प्रकारे शेवटच्या प्रश्नापर्यंत पोहोचल्यानंतर वेळ शिल्लक राहिल्यास कठीण म्हणून वगळलेल्या प्रश्नांकडे परतणे सोईस्कर ठरेल.
- उत्तरपत्रिकेत एकदा नमूद केलेले उत्तर खोडता येणार नाही. नमूद केलेले उत्तर खोडून नव्याने उत्तर दिल्यास ते तपासले (6)जाणार नाही.
- प्रस्तुत परीक्षेच्या उत्तरपत्रिकांचे मूल्यांकन करताना उमेदवाराच्या उत्तरपत्रिकेतील योग्य उत्तरांनाच गुण दिले जातील. (7)तसेच ''उमेदवाराने वस्तुनिष्ठ बहुपर्यायी स्वरूपाच्या प्रश्नांची अचूक उत्तरेच उत्तरपत्रिकेत नमूद करावीत. अन्यथा त्यांच्या उत्तरपत्रिकेत सोडविलेल्या प्रत्येक चार चुकीच्या उत्तरांसाठी एका प्रश्नाचे गुण वजा करण्यात येतील".

ताकोद

ह्या प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपेपर्यंत ही प्रश्नपुस्तिका आयोगाची मालमत्ता असून ती परीक्षाकक्षात उमेदवाराला परीक्षेसाठी वापरण्यास देण्यात येत आहे. ही वेळ संपेपर्यंत सदर प्रश्नपुस्तिकेची प्रत/प्रती, किंवा सदर प्रश्नपुस्तिकेतील काही आशय कोणत्याही स्वरूपात प्रत्यक्ष वा अप्रत्यक्षपणे कोणत्याही व्यक्तीस पुरविणे, तसेच प्रसिद्ध करणे हा गुन्हा असून अशी कृती करणाऱ्या व्यक्तीवर शासनाने जारी केलेल्या ''परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचा अधिनियम-82'' यातील तरतुदीनुसार तसेच प्रचलित कायद्याच्या तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.

तसेच ह्या प्रश्नपत्रिकेसाठी विहित केलेली वेळ संपण्याआधी ही प्रश्नपुस्तिका अनिधकृतपणे बाळगणे हा सुद्धा गुन्हा असून तसे करणारी व्यक्ती आयोगाच्या कर्मचारीवृंदापैकी, तसेच परीक्षेच्या पर्यवेक्षकीयवृंदापैकी असली तरीही अशा व्यक्तीविरूद्ध उक्त अधिनियमानुसार कारवाई करण्यात येईल व दोषी व्यक्ती शिक्षेस पात्र होईल.

पुढील सूचना प्रश्नपुस्तिकेच्या अंतिम पृष्ठावर पहा

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4		3			of the above				
۱.	He takes after his father in many way	s.							
	Which of the following alternatives	best	explains the	meaning	of the above				
	underlined phrase?	(0)	1.1						
	(1) occupy(3) comprehends	(2) (4)	resembles						
		(4)	carry						
•	When the car in front came to an abru Which of the following alternatives underlined word in the above sentence	woul							
	(1) slow · (2) rude	(3)	sudden	(4)	broken				
	71 46 6 11 1								
•	Identify from the given alternatives the in the following sentence:	appro	opriate synonyr	n of the i	inderlined word				
	A week of wet weather in the middle of	f the l	narvest, would l	ne a grea	t calamity				
	(1) discovery (2) message	(3)		-	disaster				
		~							
1 .	Japanese goods are inferior Chinese goods. Choose the appropriate alternative to fill in the blank in the above sentence.								
	(1) than (2) to	(3)	of	ie above (4)					
	(1) that (2) to			(1)					
	Delhi is one of the biggest city in India								
	Which of the following parts of the abo								
	(1) Delhi is (2) one of the	(3)	biggest city	(4)	in India.				
	They are watching a movie.				· · · · · · · · · · · · · · · · · · ·				
	Choose from the following alternatives,	the co	rrect passive for	rm of the	above sentence				
	(1) A movie is watched by them.		•						
	(2) A movie is being watched by them								
	(3) A movie has been watched by then	n.							
	(4) A movie was watched by them.								
•	My wallet has been stolen.								
	Choose from the following alternatives	the co	rrect active for	m of the	ahovo sontonco				
	(1) Stolen has been my wallet.	(2)	Stolen my wa						
	(a) ~voioii iiuo Nooli iliy Wallet.	(2)	Storen my wa	iico nas l)CC11,				
	(3) Some one has stolen my wallet.	(4)	My wallet is	rtolon					

9.

(4) of

	Don't count your chickens before the	y are ha	${ m tched.}$						
	(1) Don't count	(2)	àre hatched		1				
	(3) before they are hatched	(4)	Don't count y	our chickens					
10.	Choose one of the alternatives tha	t forms	the adjective	clause in the	following				
	sentence:								
	God helps those who help themselves								
	(1) who help themselves	(2)	God helps the						
`	(3) those who help themselves	(4)	God helps the	emselves					
11.	Choose the correct negative sentence of the affirmative sentence given below:								
	A few farmers saved their crop.								
	(1) Only some farmers saved their	crop.							
	(2) Not all farmers saved their crop.								
	(3) A few farmers did not save their crop.								
	(4) Not only some farmers saved th	eir crop.							
12.	Choose one of the alternatives that forms the noun clause in the following sentence:								
	What cannot be cured must be endured?								
	(1) must be endured	(2)	What cannot	be cured					
	(3) What must be endured	(4)	be cured mus	t be					
13.	Choose the correct assertive form of the exclamatory sentence given below:								
	Oh that I had the wings of a bird!								
	(1) I do not wish I had the wings o	f a bird.							
	(2) I wish I had the wings of a bird	l.							
	(3) Wouldn't it be nice if I had the	wings of	a bird?						
	(4) If I had the wings of a bird I we	ould fly.							
14.	Choose the correct alternative to fill	the blan	nk in the follow	ving sentence :					
	Neither of the answers co	orrect.							
	(1) be (2) are	(3)	is	(4) were	:				
 15.	Choose the correct alternative to fill	the blan	nk in the follow	ving sentence :					
	Abstain evil and do good.								

(2)

from

(1) for

(3)

off

ar es		, where $p_{\rm total}$, the contraction of the state of the state of the contraction of the state of the sta	and the second section of the second	Partie and the amendment of a second second	in significant	12.
						SIL
4			5			Ten
l 6 .	T 337	as surprised when I heard	l of his failure			
٠.		ich of the given altern		presses the 1	meaning of	the underline
	(1)	taken in	(2)	taken up		
	(3)	taken aback	(4)	taken to		
7.	Нус	lrogen is the lightest of al	l gases.			
		ose from the alternatives tabove sentence.	the sentence giv	ing the posit	tive degree	of comparison o
	(1)	Hydrogen is lighter than	any gas.			
	(2)	No gas is lighter than hy	drogen.			
	(3)	No gas is as light as hyd	-			
	(4)	Hydrogen is as light as a	ny other gas.			
3.	He	was generous even to his	enemies.			
	Cho	ose the correct noun form	of the underlin	ed word.		
	(1)	generousity	(2)	generousne	ss	
	(3)	generocity	(4)	generosity		
€.	The	for the factory	was chosen by	the archite	ct.	
	Cho	ose the correct alternative	to fill in the bl	ank.		
	(1)	sight (2) site	(3)	cite	(4)	sait
•	He	said "I am glad to be here	this evening."			
	Pick	out the correct alternativ	e that gives the	above sente	ence in indi	rect speech.
	(1)	He said that I was glad t				•
	(2)	He said that he was glad	to be there tha	t evening.		
	(3)	He said that he was glad		-		
	(4)	He said that I am glad to		-		
l.		nce is a good servant but ch of the following is a co		of the above	e sentence ?	?
	(1)	Though science is a good	servant, it is a	bad master.		
	(2)	Despite being a good serv			•	
	(3)	Science is a bad master a				
	(4)	Science is a good servant	as well as a goo	od master.		

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22 .	Choo	se from th	e alter	natives the not	ın form o	of the verb 'sit'.		sitting		
	(1)	sit	(2)	sat	(3)	seat	(4)	sitting		
23.	Choo	se from th	e alter	natives the ver	b form o	f the noun 'heir	·.			
	(1)	inherit	(2)	heiress	(3)	heirling	(4)	heritage		
24.	Cho	se the corr	ect wo	rd which mean	is "one tr	avelling on foot	."			
	(1)	equestrian	l.		(2)	pedestrian				
	(3)	philanthro	pist		(4)	pessimist				
25.	Cho	ose the cor	rect wo	rd which mean	s "havin	g a bad reputat	ion".			
	(1)	famous	(2)	nocturnal	(3)	irreputable	(4)	notorious		
26.	A of ship.									
	Fill	in the blan	k choo	sing from the a	lternativ	es the correct w	ord der	oting collection.		
	(1)	flock	(2)	flight	(3)	fleet	(4)	pride		
27.	Cho	Choose the correct antonym for the word 'make'.								
	(1)	remake	(2)	remark	(3)	mar	(4)	mare		
28.	Choose the correct alternative which explains the phrase "fall flat".									
	(1)	to fall dov	vn		(2)	to become flat	and sha	apeless		
	(3)	to impress	3		(4)	to produce no	effect			
29.	Cho	Choose the alternative which best explains the idiom "let the cat out of the bag".								
	(1)	reveal a s	ecret b	y mistake	4	(2) find out th	e hidin	g place		
	(3)	being una	ble to	manage an ani	mal	(4) to do some	thing d	angerous		
30.	Cho day		ernativ	e which best	explains	the proverb "Ro	ome wa	s not built in a		
	(1)		any yea	ars to build Ro	me.					
	(2)	Time, pat	ience a	nd hard work	are neede	ed for an import	ant and	difficult work.		
	(3)	One has t	o be su	ıfficiently deter	mined ar	nd willing.				

With the passage of time, pain, grief and enmity are less felt.

							nk.	
4				7				
31.			station the ti			1 11	1	
		ne correct	form of the ve		to fill in the a	ibove bla	nk.	
	(1) left	•		(2)	had left	.i		
_	(3) will	leave		(4)	had been leav	ing		
32 .			ter					
			alternative to			445		
	(1) sinc	e (2) from	(3)	for	(4)	till	
33.			sing the correc	t question t	ag:			
	(1) mus	tn't they?		(2)	must they?			
	(3) can	they?		(4)	must that?			
34.	Identify	the type of	pronoun itali	cized in the	sentence.			
	He himse	elf cleaned	the room.					
	(1) Per	sonal pron	oun	(2)	Relative pron	oun		
	(3) Dist	tributive p	ronoun	(4)	Reflexive pro	noun		
35.	I am the man seeks your guidance.							
	Fill the	above blan	k using the co	rrect relativ	e pronoun.			
	(1) tha	t (2) who	(3)	which	(4)	whose	
36.	Fill in th	ıe blank u	sing an approp	oriate article) .			
	Mauritiu	s is in	Arabia	n Sea.				
	(1) the	(2) an	(3)	a	(4)	no article	
37.	Identify	from the a	lternatives the	subject of	the following s	sentence		
	*	nelp you ?		v	Ü			
	(1) can		2) he	(3)	help	(4)	you	
38.	The four	sisters on	arrelled	thems	elves.			
J.O.		_	lank using the					
	(1) wit		(2) among	(3)		(4)	over	
	(1) WIL	IIII ((Z) among	(0)	Detween	(4)	OVCI	

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 - **(1)** Full stop

(2)Exclamation mark

(3)Question mark

- (4)Colon
- 40. He is too clever to be easily deceived.

Choose the correct alternative containing the use of 'so that' instead of 'too'.

- He is so clever that he cannot be easily deceived.
- (2)He is so clever that he can be easily deceived.
- (3)He is so clever to be easily deceived.
- He is too clever that he can be easily deceived.

Comprehension (Questions 41 - 45).

Read the given passage carefully and answer the following questions:

At the present time the fiercest and most dangerous animal with which human beings have to contend is man, and the dangers arising from purely physical causes have been very rapidly reduced. In the present day, therefore, fear finds little scope except in relation to other human beings, and fear itself is one of the main reasons why human beings are formidable to each other. It is a recognised maxim that the best defence is attack; consequently people are continually attacking each other because they expect to be attacked. Our instinctive emotions are those that we have inherited from a much more dangerous world, and contain, therefore, a much larger proportion than they should; this fear, since it finds little outlet elsewhere, directs itself against the social environment, producing distrust and hate, envy, malice and all uncharitableness. If we are all to profit fully by our new-won mastery over nature, we must acquire a more lordly psychology: instead of the cringing and resentful terror of the slave, we must learn to feel the calm dignity of the master.

Reverting to the impulses of approach and withdrawal this means that impulses of approach need to be encouraged, and those of withdrawal need to be discouraged. Like everything else, this is a matter of degree. I am not suggesting that people should approach tigers and pythons with friendly feelings: I am only saying that since tradition grew up in a more dangerous world, the present day occasions for fear and withdrawal are less numerous than tradition would lead us to suppose. The conquest of nature has made a more friendly and co-operative attitude between human beings possible and if rational men co-operated and used their scientific knowledge to the full, they could now secure the economic welfare of all — which was not possible in any earlier period.

- 41. What does the author recommend in this passage?
 - (1) Approaching tigers and pythons with friendliness
 - (2) Co-operation between human beings
 - (3) The conquest of nature
 - (4) None of the above
- 42. Which is the most dangerous creature in the world at present?
 - (1) Dangerous animals

(2) Tigers and pythons

(3) Lions and leopards

(4) Man

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- **43.** Which is the basic feeling in mutual conflict?
 - (1) Envy and malice

- (2) Fear
- (3) Impulses of approach
- (4) Hate
- **44.** Which is the best way to defend oneself?
 - (1) Withdrawal

(2) Approach

(3) Attack

- (4) Co-operation
- 45. What would happen if human beings were to use their scientific knowledge to the maximum?
 - (1) The dangerous creatures could be destroyed
 - (2) They can make the slaves cringe with terror
 - (3) It can lead to conquest of nature
 - (4) Economic welfare of all men would become possible

Comprehension (Questions 46 - 50).

Read the given passage carefully and answer the following questions:

Technology seems to come in waves. In the field of energy we are witnessing the fossil wave, solar and fusion are to follow. Between now and 2050 there are, it seems to me, three other technology waves which will blossom, plateau and to a large extent, determine what life will be like for the boom babies and their progeny. These technologies are electronics, genetics and psychology.

Electronics is blossoming now and will plateau in the first or second decade of the next century. This means that essentially anything we can conceive of doing electronically can be done; go anywhere telephones, fingertips information on nearly any topic, machines which speak and listen, three dimensional life size television, complete automation of appliances.

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Student Bounty Com Well before 2050 progress in artificial intelligence will certainly have cause re-examine what it means to be human. When machines which augmented mechanical capability were first introduced at the nest of the industrial revolution, Luddites, fearing the machine age, asked the question, "What's left for humans?"

The answer at that time was that the human role is intellectual. Now there is the real possibility that machines will be able to perform intellectual tasks as well. Take any measure of human intellectual performance — IQ, recall, attention span, creativity. By early in the next century machines will be available which perform better in these dimensions than human beings. The Luddites questions will be asked again.

The passage 46.

- foretells the progress of technology upto 2050
- is a commentary on the achievements of electronics
- (3)deals with the inventive genius of man
- emphasises the helplessness of man in the age of technology **(4)**
- 47. The passage foretells that between now and 2050 there will be many waves of technology except that of
 - (1)electronics
- (2)genetics
- (3)psychology
- (4) fossil fuel

The passage provides 48.

- the author's stand in favour of technology (1)
- an irrational account of the future (2)
- (3)an objective look into the future
- a highly professional picture of the future (4)

The word 'plateau' means 49.

- (1)the philosophy of Plato
- to reach a high level (2)

(3)to grow strong

to spread far and wide (4)

The word 'augment' means **50.**

(1) transform (2)computerize

(3)reduce (4)increase

	.,	and the second	, ji	1/2
A			 11	d in India ? May 1950 (4) May 1951 as the "Panchasheel Treaty" signed on
51.	Wh	en was the First Five Year Plan	launche	l in India ?
	(1)	April 1950 (2) April 1951	(3)	May 1950 (4) May 1951
52.		ween which of the following cour	ntries wa	as the "Panchasheel Treaty" signed or
	(1)	India – Pakistan	(2)	India – Bangladesh
	(3)	India – China	(4)	India – Sri Lanka
53.	Wh	o started 'Sharda Sadan' school a	t Mumb	ai in the year 1889 ?
	(1)	Pandita Ramabai	(2)	Savitribai Fule
	(3)	Anandibai Karve	(4)	Tarabai Shinde
54.	Dur	ring whose tenure, was the first r	egular c	ensus of India held in 1881 ?
	(1)	Lord Mayo	(2)	Lord Rippon
	(3)	Lord Dufferin	(4)	Lord Curzon
55.	Who	o was the founder of Banaras Hir	ıdu Uni	versity ?
	(1)	Dr. Sarvapalli Radhakrishnan		
	(2)	Pt. Madan Mohan Malviya		
	(3)	Lord Hardinge		
	(4)	Lord Chelmsford		
56.	Whe	en was the Indian Independence A	Act 1947	, passed by the British Parliament?
	(1)	3 rd June 1947	(2)	4 th July 1947
	(3)	18 th July 1947	(4)	15 th August 1947
		the Development Dei G	System is	s started in Maharashtra.
57.	Fron	m, the Panchayat Kaj S	5	
57.	From (1)	m, the Panchayat Raj S 5 th March 1962	(2)	13 th March 1962
57.			-	13 th March 1962 1 st May 1962
	(1)	5 th March 1962	(2)	1 st May 1962
57. 58.	(1)	5 th March 1962 1 st April 1962	(2)	1 st May 1962

	4.00	The second secon	an di man Albani antandi i Ma	大学····································	ov desiri i semili i se si velik uaa ke	э йн Мустан Асс ей унд э <u>ё</u> х хөгхүх хөв	S	er min den der der der der der den verste den der	
•							1.0	100	
TNS					12			17/B	
59.		ch of the followers of Ma		g is an importa ada ?	nt cash	crop in Khand	esh, Wes	tern V Tobacco	
	(1)	Sugarcane	(2)	Soybean	(3)	Cotton	(4)	Tobacco	
60.	Whi	ch of the foll	lowing	g places receive	s the hig	ghest rainfall i	n Mahar	ashtra ?	
	(1)	Bhimashan	kar		(2)	Gaganbavda			
	(3)	Mahabalesh	iwar		(4)	Amboli			
61.		•		001, which of t — female ratio)		wing districts	of Mahar	ashtra has the	
	(1)	Ratnagiri	(2)	Gondia	(3)	Sindhudurg	(4)	Pune	
62.			,	ion (MIDC) est	ates?			shtra Industrial Parbhani	
63.	Which of the following districts has the least (minimum) area under Plantation Farming?								
	(1)	Washim	(2)	Nandurbar	(3)	Hingoli	(4)	Buldhana	
64.	Mal	narashtra sta	ite ha	s been broadly	divided	into	physical	divisions.	
	(1)	six	(2)	four	(3)	three	(4)	five	
65.	Whi	ch state of I	ndia l	nas the largest	buffalo	population ?			
	(1)	Maharashtı	ra		(2)	Uttar Prades	h		
	(3)	Gujarat			(4)	Karnataka			
66.	The	place neares	st to r	nainland Sri L	anka fro	m India is			
	(1)	Kanyakum	ari		(2)	Dhanushkodi			
	(3)	Rameshwai	ram		(4)	Chennai			
67.	Who	ere are tea a	nd co	ffee both grown	ı in Indi	a ?			
	(1)	North-West	ern I	ndia	(2)	North-Easter	n India		
	(3)	Central Ind	lia		(4)	Southern Ind	ia		

				Stille					
A			13	as the Chief Minister of Maharashtra Ashok Chavan Narayan Rane					
68.	In N	ovember 2009, was	appointed	as the Chief Minister of Maharashtra					
	(1)	Vilasrao Deshmukh	(2)	Ashok Chavan					
	(3)	Sushilkumar Shinde	(4)	Narayan Rane					
 69.	The	Advocate General of State is	appointed b						
	(1)	President	(2)	Legislative Council					
	(3)	Chief Minister	(4)	Governor of State					
7 0.	Cha	Sabha Speakerirman of Public Accounts Corosition Sushma Swaraj.	appointed nmittee on	Gopinath Munde on January 2010 as the recommendation of Leader of the					
	(1)	G.M.C. Balayogi	(2)	Manohar Joshi					
	(3)	Meira Kumar	(4)	Somnath Chatterji					
71.	Chi	Government of India on June ef Justice of India, Justice nan Rights Commission.	3, 2010, an	nounced the appointment of the former as the sixth chairperson of the National					
	(1)	K.G. Balakrishnan	(2)	Ramesh Chandra Lahoti					
	(3)	S. Rajendra Babu	(4)	V.N. Khare					
 72.	The is the head of the Panchayat Samiti administration.								
	(1)	Chief Officer	(2)	Extension Officer					
	(3)	Chief Executive Officer	(4)	Block Development Officer					
79	The	e records and accounts of the	Gram Pancl	nayat are maintained by the					
73.	(1)	0 1	(0)	Sarpanch					
75.		Gramsevak	(2)	•					
13.	(3)	Gramsevak Deputy Sarpanch	(4)	Panchas					
73.			(4)	Panchas					
		Deputy Sarpanch	(4)	Panchas					
	Wh	Deputy Sarpanch o is the founder of Local Self	(4) Governmen	Panchas t in India ?					
	Wh (1) (3)	Deputy Sarpanch o is the founder of Local Self Lord Rippon Lord Mountbatten	Governmen (2) (4) es from the	Panchas t in India ? Lord Dalhousie					

							de	
Α				15			13	
83.		llel combination current passes t		acitors,	10 μF, 20			
	(1) 10 μ	F (2) 20	μF	(3)	40 μF	(4)	30 μF	
84.	A three-p rotor side field is	hase induction r , short-circuiting	notor is fed the stator	l from a	a balanced ls. The spec	three-phased of the r	oc suppiy on on	
	(1) zero			(2)	equal to ro	otor speed		
	(3) equa	al to synchronous	speed	(4)	equal to sl	ip speed		
85.	the angle	nination at any p between the nor ement is associate	mal at that	urface is point a	s directly pand direction	roportiona n of lumin	l to the cosine o ous flux.	
		ement is associati nck's law	ed Min	(2)	Bunsen's l	aw		
		beth's law		(4)	Lambert's	cosine law	•	
 86.	Annual e	stimated deprecia	ation charge	es for a	plant are h	neavy duri	ng early years i	
	(1) Dim	inishing value m	ethod	(2)	Sinking fu	ınd method	l	
	(3) Stra	night line method		(4)	None of th	ne above		
87.	Analogue Measuring Instruments connected to AC circuit indicate							
	(1) RMS	S value		(2)	Average va	alue		
	(3) Max	cimum value		(4)	None of th	ne above		
88.	In controlled rectifiers, the nature of the load current i.e. whether load current is continuous or discontinuous							
		s not depend on t						
	_	ends both on type ends only on type		ı mıng	angie uciay			
		ends only on type ends only on firin		ay				
 89.	The perm	nissible variation	of frequenc	y in pov	wer system	is		
	$(1) \pm 19$		3%	(3)	± 5%		± 10%	
90.	Minority	carriers in p-typ	e semicond	ictors a	re			
	(1) free	e electrons		(2)	free holes			
	(3) hole	es and electrons b	ooth	(4)	None of th	he above		

(3) holes and electrons both

1143	3 16	18
91.	go and the power	er system 2) increases the installation 4) increases the total cost
		4) increases the total cost
92.	A step-up chopper has V_s as the source voltage output voltage for this chopper is given by	
	(1) $V_s(1 + \alpha)$ (2) $V_s/(1 - \alpha)$ (3)	$V_s(1-\alpha)$ (4) $V_s/(1+\alpha)$
93.	For a system having $Z_S >> Z_L$, which of the (1) IDMT (2)	following relays is most suitable? DTOC
	(3) Very inverse OC (4)	Extreme inverse OC
94.	A single-phase full bridge inverter can operatoral load consists of	ate in load-commutation mode in case
	$(1) RL \tag{2}$	RLC underdamped
	(3) RLC overdamped (4)	RLC critically damped
95.	Back to back HVDC is used to	
	(1) increase the transmission capability	(2) decrease line losses
	(3) provide stable interconnection	(4) reduce voltage drop
96.	Transient response in R-L-C series circuit wil	th d.c. excitation is overdamped when
	$(1) \left(\frac{R}{2L}\right)^2 > \frac{1}{LC} \tag{2}$	$\left(\frac{\mathbb{R}}{2L}\right)^2 < \frac{1}{LC}$
	(3) $\left(\frac{R}{2L}\right)^2 = \frac{1}{LC}$ (4)	None of the above
97.	A 5 kVA transformer has iron loss 300 W a maximum efficiency of the transformer would (1) 700 W (2) 600 W (3)	and full load copper loss 400 W. The

- Surge impedance of overhead line is of the order of 98.
 - (1) tens
- (2)ones
- (3) hundreds
- (4) thousands
- 99. A voltage wave of 50 Hz, having an rms value of 415 V is expressed as
 - (1) 415 sin 314 t

(2) $415\sqrt{2} \sin 314 t$

 $415\sqrt{2} \sin 50 t$

415 sin 50 t

4		17		17/
	If the account of her a holor	and greate	om with dal	to connected resistances
100.	If the power consumed by a balar 300 W, what will be the power co fashion?			
	(1) 300 W (2) 150 W	(3)	100 W	(4) 900 W
01.	The effect of rainfall on the insulate	or is		
	(1) breakdown strength of insulation	on decrea	ses	
	(2) flashover length reduces			
	(3) flashover voltage increases			
	(4) flashover length increases			v.
102.	Heat sinks used for transistors and	semi-con	ductors	
	(1) increase the reverse current	(2)	decrease tl	he forward current
	(3) control the temperature effect	(4)	help in doj	ping process
103.	In a particular circuit			
103.	In a particular circuit $I = I_{m} \sin (\omega t - 270)$			
103.				
103.	$I = I_{m} \sin (\omega t - 270)$			
103.	$I = I_{m} \sin (\omega t - 270)$ & $V = V_{m} \sin (\omega t + 90)$.	(2)	pure induc	ctive circuit
103.	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is	(2) (4)	pure induc	
	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit When the supply voltage to an independent of the supply voltage to an indepe	(4) uction m	None of th	e above
	$I = I_{m} \sin (\omega t - 270)$ & $V = V_{m} \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit	(4) uction m	None of th	e above
104.	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit When the supply voltage to an inditorque will decrease approximately	(4) uction m by (3)	None of thotor is redu	ced by 10%, the maximum (4) 40%
104.	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit When the supply voltage to an ind torque will decrease approximately (1) 5% (2) 10%	(4) uction m by (3)	None of thotor is redu	ced by 10%, the maximum (4) 40%
104.	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit When the supply voltage to an inditorque will decrease approximately (1) 5% (2) 10% The inductance of a power transmission of the supply voltage to the supp	(4) uction m by (3)	None of thotor is redu	ced by 10%, the maximum (4) 40%
104.	$I = I_m \sin (\omega t - 270)$ & $V = V_m \sin (\omega t + 90)$. Then type of circuit is (1) pure resistive circuit (3) pure capacitive circuit When the supply voltage to an inditorque will decrease approximately (1) 5% (2) 10% The inductance of a power transmis (1) decrease in line length	(4) uction m by (3) ssion line	None of thotor is reduced 20% increases w	ced by 10%, the maximum (4) 40%

(3)

(1) in phase with arc current

leading arc current by 90°

(2)

lagging arc current by 90°

(4) lagging arc current by 180°

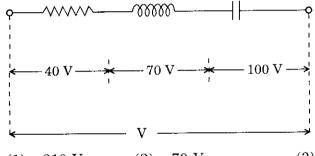
			A Table of the purple		Till Committee com ann ann ann ann ann ann ann ann ann an	de de la companya de	Stil	ol a.c.	Philosopy (Philosyles in	
TNS		18 A								
1Ó7.		ich of the follying the circu				ally developed	to contro	ol a.c.	25	
	(1)	The SCR							1.0	
	(2)	The Triac								
	(3)	The Diac								
	(4)	The two tran	nsiste	or negative r	esistance s	witch				
108.	Shu	nt capacitors	in a	substation					-	
	(1)	consume lag	ging	VAR	(2)	deliver laggir	ng VAR			
	(3)	consume act	ive p	ower	(4)	deliver active	power			
109.	The	standard sec	onda	ry current fo	or a current	transformer	is			
	(1)	15 Amp.	(2)	10 Amp.	(3)	5 Amp.	(4)	2 Amp.		
110.	In a	ın RLC circui	t the	power facto	r at resona	nce condition	is		,	
	(1)	zero	(2)	one	(3)	0.9		0.5		
111.	The	ratio of the o	 outpu	t to input cl	nange for a	given measur	ing syste	m is referre	ed to	
	(1)	Sensitivity			(2)	Linearity				
	(3)	Stability			(4)	None of the a	above			
112.		ery and the o			-	ent source. Th current enters	-	-		
	(1)	60 W, 60 W			(2)	60 W, – 60 W	r			
	(3)	-60 W, -60	W		(4)	-60 W, 60 W	r			
113.	In a	n-phase circ	uit, t	he phase an	gle betweer	successive pl	hases is g	4000		
	(1)	120°	(2)	150°	(3)	$\frac{360^{\circ}}{n}$	(4)	$\frac{180^{\circ}}{n}$		
114.	Low	resistance is	mea	sured by						
	(1)	Maxwell's br		•	(2)	Anderson's bi	ridge			
	(3)	Kelvin's doul	_	ridge	(4)		J			

					10		ide			
1					19		17			
15.	_	Gearing, backlash, friction between moving parts and scale accuracies are general known as (1) instrument errors (2) interference errors (3) calibration errors (4) interaction errors								
	(1)	instrumer	it errors		(2)	interference er	rrors			
	(3)	calibration	n errors		(4)	interaction err	ors			
16.				used for find anged that	ing the in	ron loss in a st	ack of laminations, the			
	(1)	(1) plane of each lamination is perpendicular to the plane of square								
	(2) plane of each lamination is parallel to the plane of square									
	(3)	·								
	(4)	square (4) plane of each lamination may be at any angle to the plane of square								
117.	Dan	Damper winding is provided in synchronous motor								
	(1)	to reduce	speed		(2)	to prevent hu	_			
	(3)	to provide	startin	g torque	(4)	both (2) and (3	3)			
118.	The	most com	non gen	eration in Inc	lia is		,			
	(1)	11 kV	(2)	1·1 kV	(3)	66 kV	(4) 33 kV			
 119.		To connect a number of single-phase consumers at 230 V, the secondary of three-phase transformer should be connected in								
	(1)	Delta	(2)	Star	(3)	Open Delta	(4) Tee-Tee			
190	High resistances are provided with a guard terminal. This guard terminal is used to									
	(1)									
	(2) guard the resistance against stray electrostatic field									
	(3)									
	(4)	(4) None of the above								
121.	N-cl	hannel type	e MOSF	ET is better	than P-ch	annel type MO	SFET because			
	(1)	it is faste				it is TTL com				
	(3)	it has bet	ter nois	e immunity	(4)	it has better o	drive capability			
199	TX7h:	ich of the	following	g is the unive	rsal gate	?	~-			
144,			_	EX-OR	(3)	OR	(4) NAND			
	(1)	AND	(2)	R.X-UJK	1.3	UIL	(4) INANII			

P.T.O.

123.	. Illu	(BOUNT)								
	(1)	lumen me			(2)	lux		34		
	(3)	foot cand	le		(4)	candela		1		
124.	In	In a $3\frac{1}{2}$ digit voltmeter, the largest number that can be read is								
	(1)	0999	(2)	1999	(3)	4999	(4)	9999		
125.	A s	A series R-L circuit is suddenly connected to a d.c. voltage source of V volts. The current in this circuit, soon after the switch is closed is equal to								
	(1)	zero	(2)	V/L	(3)	V/R	(4)	VL/R		
126.	Copper loss at full load in a transformer operating at unity power factor is 500 W Then copper loss at full load and 0.95 power factor lagging will be									
	(1)	475 W			(2)	500 W				
	(3)	525 W			(4)	None of the	above			
127.	For a load flow solution the quantities normally specified at a voltage controlled bus									
	(1)	P and Q	(2)	\mathbf{P} and $ \mathbf{V} $	(3)	Q and $ V $	(4)	P and δ		
128.	Mos	Most efficient electrical distribution transformers are made with								
	(1)	Silicon all			(2)					
	(3)	Iron core			(4)	None of the	above			
129.		For successful parallel operation of two single-phase transformers, the essentia condition is that their								
	(1) percentage impedances should be equal									
	(2) turns ratio should be exactly equal									
	(3) polarities must be properly connected									
	(4) KVA rating should be equal									
130.	The most economic load on an underground cable is									
	(1)			urge loading	(2)	less than sur	ge loadin	g		
	(3)	equal to si	ırge loa	ding	(4)	None of the a	above is n	ecessary		

- Student Bounty.com 131. A 6-pole machine is rotating at a speed of 1200 rpm. This speed in mechanical rad. per sec. and electrical rad. per sec. is respectively
 - 40π , $40\pi/3$ (1)
- 120π , 40π (2)
- (3) $20\pi, 60\pi$
- (4) 40π , 120π
- 132. As compared to DOL starting, a cage induction motor with star-delta starting shall have
 - more starting torque (1)
- more starting current (2)
- reduced starting current (3)
- smooth acceleration **(4)**
- 133. In order to have lower cost of electrical energy generation
 - the load factor and diversity factor should be low (1)
 - the load factor should be low but diversity factor should be high (2)
 - the load factor should be high but diversity factor should be low (3)
 - the load factor and diversity factor should be high (4)
- 134. The supply voltage | V | in diagram below is



- (1) 210 V
- (2)70 V
- 50 V (3)
- (4) 230 V
- 135. The armature core of a d.c. machine is laminated to minimise
 - Hysteresis loss (1)

Eddy current loss (2)

(3)Mechanical loss

- Temperature rise (4)
- 136. The residual magnetism of a self-excited d.c. generator is lost. To build up its emf again
 - the field winding must be replaced (1)
 - the armature connection must be reversed (2)
 - the field winding connection must be reversed (3)
 - field winding must be excited by low voltage d.c. supply (4)

SPACE FOR ROUGH WORK

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- Student Bounty.com 137. The connected load of a consumer is 2 kW and his maximum demand is load factor of the consumer is
 - (1)0.75

(2)0.375

(3)1.33

- (4)None of the above
- 138. A 3-phase synchronous motor, connected to an infinite bus, operates at a leading power factor. For constant load torque, if excitation is increased
 - load angle δ and power factor angle Θ both decrease
 - (2)δ and Θ both increase
 - δ increases but Θ decreases (3)
 - (4)δ decreases but Θ increases
- 139. The power delivered to a three-phase load can be measured by the use of two wattmeters only when the
 - load is unbalanced (1)
 - load is balanced
 - 3-phase load is connected to source through 3-wires
 - 3-phase load is connected to source through 4-wires
- 140. The back emf for a d.c. motor with 'P' poles, Z conductors and running at N rpm is given by
 - (1)
- φZNP 60 A

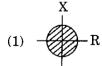
- 141. Self GMD is used in the calculation of
 - (1)inductance only

(2)inductance and capacitance

(3)capacitance only

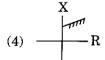
- (4)None of the above
- 142. The impedance of a circuit is given by Z = 3 + j4. Its conductance is given by
 - (1)

- **(4)**
- 143. Which one of the following is characteristic of an offset MHO relay?









A.		23		: (4) L-L-L-G					
144.	Zero	sequence currents does not exist in th	ne following fault						
	(1)	L-G (2) L-L (3) L-L-G	(4) L-L-G					
145.	A th	thyristor has been fired by an appropriate gate pulse. When will it turn off?							
	(1)	When applied voltage changes polarity							
	(2)) When current through device falls below holding current							
	(3)								
	(4)	When a gate pulse of opposite polarity applied							
146.	Stea	Steady state stability of a power system is improved by							
	(1)	reducing fault clearing time							
•	(2)	using double circuit line instead of sin	gle circuit line						
	(3)	3) single pole switching							
	(4)	decreasing generator inertia							
147.	Holl	Tollow conductors are used in transmission lines to							
	(1)	reduce weight of copper (2	2) improve stabi	lity					
	(3)	reduce corona (4	increase powe	er transmission capacity					
 148.		he speed of a d.c. shunt motor is to be increased beyond its rated value. This can							
	(1)	inserting a resistance in armature circ	cuit						
	(2)								
	(3)	applying a reduced voltage							
	(4)	None of the above	·						
149.	The	The bus admittance matrix (Y-bus) of a power system is not							
	(1)	symmetric							
	(2)	a square matrix							
	(3)	a full matrix							
	(4)	4) generally having dominant diagonal elements							
		When a three-phase synchronous motor is under-excited, its power factor will be							
 150.	Whe	en a three-phase synchronous motor is	under-excited, its	s power factor will be					

सूचना - (पृष्ठ 1 वरुन पुढे....)

- Student Bounty.com प्रश्नपुस्तिकेमध्ये विहित केलेल्या विशिष्ट जागीच कच्चे काम (रफ वर्क) करावे. प्रश्नपुस्तिकेव्यति (8) उत्तरपत्रिकेवर वा इतर कागदावर कच्चे काम केल्यास ते कॉपी करण्याच्या उद्देशाने केले आहे. असे मानर जाईल व त्यानुसार उमेदवारावर शासनाने जारी केलेल्या ''परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचे अधिनियम-82'' यातील तरतुदीनुसार कारवाई करण्यात येईल व दोषी व्यक्ती कमाल एक वर्षाच्या कारावासाच्या आणि/किंवा रूपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.
- सदर प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपल्यानंतर उमेदवाराला ही प्रश्नपस्तिका स्वतः बरोबर (9)परीक्षाकक्षाबाहेर घेऊन जाण्यास परवानगी आहे. मात्र परीक्षाकक्षाबाहेर जाण्यापूर्वी उमेदवाराने आपल्या उत्तरपत्रिकेचा भाग-1 समवेक्षकाकडे न विसरता परत करणे आवश्यक आहे.

नमुना प्रश्न

Pick out the correct word to fill in the blank:

Q. No. 201. I congratulate you _____ your grand success.

(1) for (3) on (2) at

ह्या प्रश्नाचे योग्य उत्तर "(3) on" असे आहे. त्यामुळे या प्रश्नाचे उत्तर "(3)" होईल. यास्तव खालीलप्रमाणे प्र.क्र. 201 समोरील उत्तर-क्रमांक "3" हे वर्तुळ पूर्णपणे छायांकित करून दाखविणे आवश्यक आहे.

(4) about

Я.я. 201. (1) (2)

अशा पद्धतीने प्रस्तृत प्रश्नप्स्तिकेतील प्रत्येक प्रश्नाचा तुमचा उत्तरक्रमांक हा तुम्हाला स्वतंत्ररीत्या पुरविलेल्या उत्तरपत्रिकेवरील त्या त्या प्रश्नक्रमांकासमोरील संबंधित वर्त्ळ पूर्णपणे छायांकित करून दाखवावा. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.

कच्च्या कामासाठी जागा / SPACE FOR ROUGH WORK