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केंद्राची संकेताक्षरे



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पेपर क्र. – 2

प्रश्नपुस्तिका - II

एकूण प्रश्न : 100

एकूण गुण: 200

शेवटचा अंक

सूचना

सदर प्रश्नपुस्तिकेत 100 अनिवार्य प्रश्न आहेत. उमेदवारांनी प्रश्नांची उत्तरे लिहिण्यास सुरुवात करण्यापूर्वी या प्रश्नपुस्तिकेत सर्व प्रश्न आहेत किंवा नाहीत याची खात्री करून घ्यावी. असा तसेच अन्य काही दोष आढळल्यास ही प्रश्नपुस्तिका समवेक्षकांकडून लगेच बदलून घ्यावी. परीक्षा-क्रमांक

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

- (3) वर छापलेला प्रश्नपुस्तिका क्रमांक तुमच्या उत्तरपत्रिकेवर विशिष्ट जानी उत्तरपत्रिकेवरील सूचनेप्रमाणे न विसरता नमूद करावा.
- (3) वर छापलला अरनपुरत्ताका अरनाज पुनन्ता उत्तरा प्राप्ता कराया । (4) या प्रश्नपुस्तिकेतील प्रत्येक प्रश्नाला 4 पर्यायी उत्तरे सुचिवली असून त्या । 1, 2, 3 आणि 4 असे क्रमांक दिलेले आहेत. त्या चार उत्तरांपैकी सर्वात योग्य उत्तराचा क्रमांक उत्तरपत्रिकेवरील सूच्चे प्रमाणे तुमच्या उत्तरपत्रिकेवर नमूद करावा. अशा प्रकारे उत्तरपत्रिकेवर उत्तरक्रमांक नमूद करताना तो संबंधित प्राक्रमानासमीर छायांकित करून दर्शविला जाईल याची काळजी घ्यावी. ह्याकरिता फक्त काळ्या शाईचे बॉलपेन वापरावे, ेन्सिन वा शाईचे पेन वापरू नये.
- (5) सर्व प्रश्नांना समान गुण आहेत. यास्तव स्र्वा प्रानाची उत्तरे द्यावीत. घाईमुळे चुका होणार नाहीत याची दक्षता घेऊनच शक्य तितक्या वेगाने प्रश्न सोडवावेत. क्रमाने प्रान सो विणे श्रेयस्कर आहे पण एखादा प्रश्न कठीण वाटल्यास त्यावर वेळ न **घालविता पुढील प्रश्नाकडे वळा**ँ. अश्री प्रकारे शेवटच्या प्रश्नापर्यंत पोहोचल्यानंतर वेळ शिल्लक राहिल्यास कठीण म्हणून वगळलेल्या प्रश्नांकडे परतणे सोईस्कर ठरल.
- (6) उत्तरपत्रिकेत एकदा नमूद केले उत्तर खोडता येणार नाही. नमूद केलेले उत्तर खोडून नव्याने उत्तर दिल्यास ते तपासले जाणार
- (7) प्रस्तुत परीक्षेच्या करणे त्रेकांचे मूल्यांकन करताना उमेदवाराच्या उत्तरपत्रिकेतील योग्य उत्तरांनाच गुण दिले जातील. तसेच ''उमेदवाराने वस्तुिष्ठ बहुपर्यायी स्वरूपाच्या प्रश्नांची दिलेल्या चार उत्तरापैकी सर्वात योग्य उत्तरेच उत्तरपत्रिकेत नमूद करावीत. ार था त्यांच्या उत्तरपत्रिकेत सोडविलेल्या प्रत्येक चार चुकीच्या उत्तरांसाठी एका प्रश्नाचे गुण वजा करण्यात येतील 🐪

ताकीढ

ह्या प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली वेळ संपेपर्यंत ही प्रश्नपस्तिका 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 प्रविणे, तसेच प्रसिद्ध करणे हा गुन्हा असून अशी कृती करणाऱ्या व्यक्तीवर शासनाने जारी केलेल्या ''परीक्षांमध्ये होणाऱ्या गैरप्रकारांना प्रतिबंध करण्याबाबतचा अधिनियम-82'' यातील तरत्दीनुसार तसेच प्रचलित कायद्याच्या तरत्दीनुसार 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.

प्रश्नपुरि-तंके

उधङ् Į¢. पर्यतेक्षकाच्या कच्च्या कामासाठी जागा/SPACE FOR ROUGH WORK



1.	-	r of mobile join alled antennae.		-		l with head in	front o	f or between eyes
	(1)	Collembola			(2)	Diplura		
	(3)	Protura			(4)	Coleoptera		
2.		lateral lobes naptera are calle		lypopharynx	in Apte	erygota, Larv	al Eph	nemeroptera and
	(1)	Ligula			(2)	Super Lingu	ae	
	(3)	Salivarium			(4)	Labrum Hyp	phary	nx
3.	The c	outermost layer	of in	sect cuticle is	called		-	
	(1)	Exocuticle			(2)	Endocuticle		
	(3)	Epicuticle			(4)	Procuticle		
4.		nich of the followed ventrally an			_			izontal or slightly
	(1)	Hypognathous	1)	(2)	Prognathous		
	(3)	Opisthognatho	ıs		(4)	None of the a	bove	<u> </u>
5.			knov		_		_	e development of oaches, they are
•	(1)	Two	(2)	Eight	(3)	Numerous	(4)	Absent
6.	Whic head		ng is	formed by th	e fused g	ganglia of the	antenn	al segment of the
	(1)	Deutocerebrum	ı		(2)	Tritocerebrui	n	
	(3)	Protocerebrum			(4)			
7.	Johns anter	_	a c	hordotonal o		ng in the		segment of the
	(1)	First	(2)	Second	(3)	Third	(4)	Terminal
		al ann / SDACE	FOR	POLICII WOD				PTO

8.	Directorate of Plant Protection, Quarantine and Storage is located at									
	(1)	New Delhi	(2)	Faridabad, Haryana						
	(3)	Bengaluru	(4)	Chennai						
9.	A si	lk produced by Antheraea mylitta is o	called							
	(1)	Tasar silk	(2)	Muga silk						
	(3)	Pure Silk	(4)	Eri silk						
10.	'Systema Naturae' was published during 1758. This contains earlier record of 28 species of Indian insects by scientist									
	(1)	Carl Linnaeus	(2)	J.C. Fabricius						
	(3)	J.G. Koenig	(4)	Naxwell Lefroy						
11.	In I	ndia, the varieties of apple used in a	sease	resistant breeding against apple scab						
	(1)	Sir Prize and Prima	(2)	Priscilla and Macfree						
	(3)	Coop-12 and Red Free	(4)	Nova Easygro and Liberty						
12.	Which statement from the following is false in relation to viroids?									
	(1)	(1) It was discovered by Diener.								
	(2)) It is nake conclar molecule of infectious nucleic acid.								
	(3)	The pucleic acid present is double standard DNA.								
	(4)	(4) It causes diseases in plants.								
13.	From the following scientists, who were not responsible in prooving the role of fungion in the cause of plant disease.									
	a.	Micheli and Tillet								
	b.	Prevost and Anton de Bary								
	c.	Burrill and Smith								
	d.	Woronin and Adolf Meyer								
	Ans	wer Options :								
	(1)	Only a and b	(2)	Only c and d						
	(3)	Only a and c	(4)	Only b and d						
										

l4 .	Whi	ich of the following pair is corn	rect?						
		A		E	}				
	a.	Plasmogamy	I.	Union	of cytoplasmic content				
	b.	Oogonium	II.	Fruitin	ng body of fungus				
	c.	Oospore	III.	Asexua	al spore				
	d.	Spermatia	IV.	Male s	tructure				
	Ans	swer Options:							
	(1)	Only a							
	(2)	Only b		•					
	(3)	Only a and d							
	(4)	Only c		N					
15.	spec	m the following list of toxin	/,		y fungi, which group of toxir	ı is host			
	(1) Alternaric acid, Zirniel, Alternariol								
	(2) Cercosporin, Fuseric scid, Oxalic acid								
	(3) ATC-toxir, AB-toxin AM-toxin								
	(4)	Tabtoxin, Tontoxin, Pyricula	arin						
16.	Ide	ntily the <i>mismatch</i> regarding	g pene	etration	of pathogen.				
4	(1)	(1) Stomata \rightarrow Phytophthora infestans							
	(2)	Lenticels \rightarrow Spongospora su	bterr	anea					
	(3)	(3) Nectaries $\rightarrow Uromyces appendiculates$							
	(4)	Wounds → Penicillium expa	nsum	l		_ 			
17.		e adjuvant material in fungicioned as	des w	hich red	uces the surface tension of pa	rticles is			
	(1)	Wetting agents		(2)	Spreaders				
	(3)	Adhesives		(4)	Defloculating agents				
कच्च	ा कामा	साठी जागा / SPACE FOR ROUGH	WOR	K		P.T.O.			

- 18. Which is the repeating stage of brown rust of wheat in India?
 - a. Pycnial stage
 - b. Aecial stage
 - c. Uredial stage

Answer Options:

- (1) Only a
- (2) Only a and b
- (3) Only c
- (4) Only b and c
- 19. An example of dsDNA virus is
 - (1) Cauliflower mosaic virus
 - (2) Wound tumor virus
 - (3) Maize streak virus
 - (4) Cowpea mosaic irus
- 20. Identify plant pathogen on the basis of following characters:
 - a. Sensitive to tetracycline antibiotics
 - b. Transmission of leaf and plant hoppers
 - c. Acquired by nymph
 - d. Long incubation period

Answer Options:

- (1) Bacteria
- (2) Fungi
- (3) Phytoplasma
- (4) Virusoid

21.	If grape is grown under high humid condition, it is observed that							
	(1)	Vines put forth vegetative growth at the expense of fruiting						
	(2)	Berries do not ripe properly						
	(3)	Disease incidence is high						
	(4)	All of the above						
22.	Alla	habad Surkha is a variety of						
	(1)	Pomegranate						
	(2)	Guava						
	(3)	Grape						
	(4)	Mango						
23.	Bael	fruit contains which of the following active ingredient?						
	(1)	Marmelosin						
	(2)	Cucurbitacin						
	(3)	Galactomanii						
	(4)	Quercetin						
24.	In w	thich physiological disorder of citrus, the juice sacs become hard and elongated?						
	(1)	Greening						
4	(2)	Decline						
	(3)	Granulation						
	(4)	None of the above						
25.	Whi	ch of the following is the hybrid variety of mandarin?						
	(1)	Coorg mandarin						
	(2)	Khasi mandarin						
	(3)	Kinnow mandarin						
	(4)	Nagpur mandarin						

26.	Syl	via' is the edible podded cultivar	of								
	(1)	Broad bean	(2)	Garden pea							
	(3)	French bean	(4)	Lima bean							
27.	The most common method of propagation of ber is										
	(1)	Chip budding									
	(2)	I or T budding									
	(3)	Micro budding									
	(4)	Shoot-tip grafting	,								
28.	Potato is cool season crop and requires										
	(1)	Long day condition with hig growth.	h temper	ature for both vegetative and tuber							
	(2)	Short day condition with low temperature for both vegetative and tuber growth.									
	(3)	Long day with high temperature for vegetative growth and short day with low temperature for tuber for nation.									
	(4)	Day neutral for oth vegative	e and tube	r growth.							
29.	Which rose so cas is widely used for gulkand preparation?										
	(1)	Pose egianteria									
	(2)	2) Posa bourboniana									
	(3)	Rosa involucrata									
	(4)	Rosa clinophylla									
30.	Pusa anupam is a variety of										
	(1)) Okra									
	(2)) Brinjal									
	(3)	Tomato									
	(4)	Onion									
कच्च्य	ा कामा	साठी जागा / SPACE FOR ROUGH WO	DRK								

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	(4)	Full						
	(3)	3/4						
	(2)	1/2						
	(1)	1/4						
35.	Mos	Most anthurium blooms are harvested at about maturity.						
	(4)	GA						
	(3)	ABA						
	(2)	IBA						
	(1)	NAA						
34.	Cor	m dorn ancy in gladiolus is due to accumulation of						
	(4)	Delayed forvering						
	(3)	Small number of large flowers or large number of small flowers						
	(2)	Large number of small flowers						
	(1)	Small number of large flowers						
	prov	vide						
33.	In o	chrysanthemum, disbudding is a practice of removing immature flower bud to						
	(4)	Air layers						
	(3)	Suckers						
	(2)	Budding						
	(1)	Grafting						
32.	Goldenrod (Solidago) is commercially propagated by							
	(4)	None of the above						
	(3)	Knol-Khol						
	(2)	Cauliflower						
	(1)	Cabbage						
31.	The	knobs of which crop are harvested by cutting the stem just below it?						

36.	The hormone associated with induction of parthenocarpy is								
	(1)	GA3	(2)	AVG	(3)	BA	(4)	CCC	
37.		ucumber, fo oecious lines	- -	cation of _	is	used for in	ducing star	minate flowers in	
	(1)	GA3			(2)	Silver nit	trate		
	(3)	MAA			(4)	Both (1)	and (2)		
38.		tain food pr		-		genic freez	ing, means	freezing of food	
	(1)	(-) 0°C	(2)	(-) 30°C	(3)	(-) 60°C	(4)	(–) 80°C	
39.	The	total soluble	e solids (7	SS) of fru	it squash s	buld be _	p	ercent.	
	(1)	10 - 20	(2)	20 – 30	(3)	30 – 40	(4)	40 – 50	
40.	Fru	it firmness i	s measur	ed by					
	(1)	Penetrome	eter		(2)	Refractor	neter		
	(3)	Hardness	tester		(4)	Tenderor	meter		
41.	In t	he broadest	sense jud	ging of the	value of so	omething i	s called		
	(1)	Evaluation	ı		(2)	Monitori	ng		
	(3)	Planning	<u></u>		(4)	Managen	nent 		
42.	According to Ensminger (1962) the philosophy of extension can be expressed in the following lines:								
	a.	Extension	is "helpin	g people to	help them	nselves".			
	b.	Extension	is "learni	ng by doin	g".				
	c.	Extension	is a two-v	vay channe	el.				
	d.	Extension	is a conti	nuous, edu	icational pi	rocess.			
	Ans	swer Option	ns:						
	(1)	Only a and	l b		(2)	Only b, c	and d		
	(3)	Only a			(4)	All of the	above		
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43.	The process by which an individual, through one's own efforts and abilities changes the behaviour is called								
	(1)	Teaching	(2)	Learning					
	(3)	Communication	(4)	Social change					
44.		per the classification of exter		ning methods, the following are the					
	a.	Office call	b.	Farm and Home visit					
	c.	Leaflets	d.	Tours					
	Ans	swer Options :							
	(1)	Only a and b	(2)	Only c and d					
	(3)	Only c	(4)	All of the above					
45.	Whi	ich of the following determines	roup life ?						
	(1)	We feeling	(2)	Feeling of unity					
	(3)	Common purpose	(4)	All of the above					
46.	Vill	age Panclavato, Gram Pancha	yat is head	ed by					
	(1)	Gran Sevak	(2)	Gram Sabha					
	(3)	Sa hapati	(4)	Sarpanch					
47.	exp		and dyna	state of readiness, organised through mic influence upon the individual's chit is related. It refers to					
	(1)	Interests	(2)	Emotions					
	(3)	Wishes	(4)	Attitudes					
48.	Which of the following factors influence the selection of extension teaching method and aids?								
	(1)	Audience	(2)	Teaching objectives					
	(3)	Subject matter	(4)	All of the above					

49.	Which of the following is an example of instinct?								
	(1)	Inspiration from the teacher or extension worker and the method of teaching followed by them to create love for a particular subject.							
	(2)	Love of a mother for her child, suc	kling o	f a baby.					
	(3)	Failure is likely to induce a gloom	y, reser	ntful mood.					
	(4)	Child afraid of dog.							
50.	A family in which determination of descent and property inheritance take place along the female line is								
	(1)	Patrilineal family	(2)	Matrilo al lamily					
	(3)	Matrilineal family	(4)	Fatric cal family					
51.	Which is a special type of communication, where the messages are concerned with new ideas?								
	(1)	Diffusion	(2)	Innovation					
	(3)	Learning	(4)	Teaching					
52.	The first Chairman of National Planning Committee was								
	(1)	Dr. Babasahet Ambedkar	(2)	Dr. Rajendra Prasad					
	(3)	Pt. Jawaharlal Nehru	(4)	Mahatma Gandhi					
53.	The communication process according to Schramm (1961) involves								
	(1)	Communicator – Message – Channel – Treatment – Audience – Response							
	(2)	Source Message Channel Receiver Effects							
	(3)	Source – Encoder – Signal – Decod	der – De	estination					
	(4)	Source - Transmitter - Signal - Receiver - Destination							
54.	The	The first step in extension programme planning is							
	(1)	Collect facts	(2)	Identify problems					
	(3)	Develop plan of work	(4)	Decide an objective					
		THE STATE OF BOUCH WORK	,						

55.	Which of the following qualities is/are essential for local leaders?								
	a.	Mental ability	b.		Sense of purpose				
	c. Love for people		d.		None of the above				
	Answer Options:								
	(1)	Only a and b	(2))	Only a, b and c				
	(3)	Only c	(4))	Only d				
56.	The amount of money available with the private individuas to spend is known as								
	(1)	Disposable inc	ome (2))	Personal in come				
	(3)	Private income	(4))	National lucome				
									
57.	If Y	is a product (ou	tput) and X is an input, 1	he	MP is equal to				
	(1)	X	(5)		Y				
	(1)	$\overline{\mathbf{Y}}$,	$\frac{\mathbf{Y}}{\mathbf{X}}$				
	(3)	ΔX	(4))	$\frac{\Delta \mathbf{Y}}{\Delta \mathbf{X}}$				
	(0)	$\Delta \mathbf{Y}$	(4)		ΔX				
	- -			_					
58.	Market refers to the market situation that is likely to prevail in the near future.								
			(2)						
	(1)	News	(2)	}	Intelligence				
	(3)	Outlook	(4))	Agent				
 59.	Tho	so middlomon w	the take title to the produ		et with a view to making a profit on it				
JJ.		called	•	uc	t with a view to making a prome on it				
	(1)	Facilitative	(2))	Merchant				
	(3)	Speculative	(4)		Agent				
	(0)				Agent				
60.	The	Wants-Efforts-	sums up the s	u]	bject matter of economics.				
	(1)	Money	(2))	Satisfaction				
	(3)	Returns	(4))	None of the above				
			FOR POLICILITION	_	P.T.O.				

61.		he 12 th Five Year I I outlays was	=	centa	tage of agriculture and allied sectors to	ı			
	(1)	20.5							
	(2)	19.7							
	(3)	17:30							
	(4)	15.00				_			
62.	Con	sumer's	is what we are pre	pare	red to pay mirus what we actually pay.				
	(1)	Behaviour							
	(2)	(2) Habit							
	(3)	(3) Surplus							
	(4)	Willingness							
63.	The	quantity of produc	e that farmers actua	ally	y sell in the market is termed as				
	(1)	Marketable surpl	lus						
	(2)	Marketed surplus	$\mathcal{O}_{\mathcal{C}}$						
	(3)	Consumer's su pl	lus						
	(4)	None of the above	2						
64.	As	on July 2016, the to	otal number of mem	bers	rs in the body of WTO were				
	(1)	164		(2)	154				
	(3)	174		(4)	184				
65.		· ·	d (UR) agreement ir		994, price support was considered trade _ Box subsidies.	- >			
	(1)	Amber	-	(2)	Blue				
	(3)	Green		(4)	Yellow				

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66.		ongst all the vitamins, vitamin and vitamin are water ble vitamins and others are fat-soluble.
	(1)	A, B
	(2)	В, С
	(3)	C, D
	(4)	D, E
67.		k stained rod like or rounded bodies visible under microscope in the nucleus of cell during metaphase stage of cell division is called
	(1)	Gene
	(2)	Chiasma
	(3)	Allel
	(4)	Chromosome
68.	Whi	ich of the following sertances are related to Sangamneri Goats?
	a.	They are found in Ahmadnagar district of Maharashtra.
	b.	They are also known as Tellicherry.
	c.	They are jet black in colour.
	d.	The colour varies from white, black and brown with spots of other colours.
	Ans	swer Options:
	(1)	Only a and b
	(2)	Only b and c
	(3)	Only a and d
	(4)	Only a and c

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69.	The	The commonly used energy and protein source in Poultry diets are and in our country.					
	(1)) Jowar, Fish meal					
	(2)) Maize, Soybean meal					
	(3)	Oats, Groundnut meal					
	(4)) Rice, Rapeseed meal					
70.		Commercial layer birds are produced by, whereas, the commercial broiler birds are produced by					
	(1)) Inbreeding, Mass selection					
	(2)) Outbreeding, Strain crossing					
	(3)) Cross breading, Strain crossing					
	(4)) Strain crossing, Cross breeding					
71.	Cap	Caprylic acid is					
	(1)	Essential amino acid					
	(2)	Saturated fatty acid					
	(3)	Unsaturated letty acid					
	(4)) Fat soluble vitamin					
72.	The	he milk is fermented into Dahi with the help of the following	g bacteria :				
	a.	1 19					
	b.						
	c.						
	d.	Aspergillus niger					
	Wh	Thich of the options given above is/are correct?					
	(1)		l d				
	(3)						
	(3)	(1) Only a und o					

73.	Which of the following is the practice of breeding sire of a given breed to non-descript female and their offspring for generation after generation?				
	(1)	Criss crossing			
	(2)	Grading up			
	(3)	Top crossing			
	(4)	Back crossing			
74.	Ver	y good quality silage should have pH between			
	(1)	3·5 to 4·2			
	(2)	1.5 to 2.5			
	(3)	5·5 to 6·5			
	(4)	4·5 to 4·8			
75.	The	e acidity and pH of res. milk varies with			
	a.	Breed			
	b.	Specie			
	c.	Ctage of lactation			
	d.	Health of the animal			
	Whi	ich of the options given above is/are correct ?			
	(1)	Only a			
	(2)	Only b and c			
	(3)	Only a and d			
	(4)	All of the above			
0000	त क्रामार	साठी जागा / SPACE FOR ROUGH WORK	P.T.O.		

- 76. Sodium nitrate is a/an
 - a. Anticaking agent
 - b. Antioxidant
 - c. Curing agent
 - d. Colorant

Answer Options:

- (1) Only a
- (2) Only a and b
- (3) Only c
- (4) Only a and d
- 77. Substances added to fats or fat containing foods to retard the oxidative breakdown of fatty acids during sto age are known as
 - a. Antifoaming agents
 - b. Antiagoing agents
 - c. Antihazing agents
 - d. Antioxidants

Answer Options:

- (1) Only a and b
- (2) Only b
- (3) Only b and c
- (4) Only d

78.	Whi	ch of the following is biodegradable plastic?
	a.	Polypropylene
	b.	Polyhydroxybutyrate
	c.	HDPE
	d.	LDPE
	Ans	swer Options :
	(1)	Only a
	$(\dot{2})$	Only b
	(3)	Only a and c
	(4)	Only d
79.		preservation of fruits and vegetable products, potassium metabisulphite is used stable source of
	(1)	Sulphur dioxide
	(2)	Carbon dioxide
	(3)	S dium benzoate
	(4)	all of the above
80.	Fru	its and vegetables turn brown when bruised or cut due to
	(1)	Caramelization
	(2)	Enzymatic Browning
	(3)	Sulfating
	(4)	Dehydration

81.		s maturation of uce chances of s				s of flower in plant at different times to be outcrossing.		
	(1)	Dichasium			(2)	Diastase		
	(3)	Dichogamy			(4)	Dicliny		
82.	The	interpretation	of Me	ndelian geneti	cs is ba	sed on		
	a.	Frequencies			b.	Assumptions		
	c.	Genetic ratios	5		d.	Mean values		
	Ans	wer Options	:					
	(1)	Only a and c			(2)	Only d		
	(3)	Only a and d			(4)	Only b		
83.	DN.	A is a polymer	 of		Θ			
-	a.	Nucleotides			b.	Amino acids		
	c.	Nucleosides			d.	None of the a	bove	
	Ans	swer Options		$oldsymbol{oldsymbol{eta}}$				
	(1)	Only c		D	(2)	Only a and b		
	(3)	Only a and c	•		(4)	Only a		
84.		s a sequence of	three	nucleotides the	hat can	code for one s	specific	amino acid in a
	(1)	Codon	(2)	Anticodon	(3)	Cistron	(4)	Cofactor
85.		progeny of sin	ngle h	omozygous pla	nnt of a	self-pollinate	d spec	ies and variation
	(1)	Pureline heri	table		(2)	Pureline non-	herita	ble
	(3)	Multiline her	itable		(4)	Multiline non	-he r ita	able
86.	Cer	tified foundation	n seed	is the progen	y of bre	eder seed with	which	colour tag?
	(1)	White	(2)	Blue	(3)	Yellow	(4)	Brown
—— कच्च्य	 ा कामार	 भाठी जागा / SPAC						T ·

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87.	Mar	Maharashtra.						
	a.	Gondia						
	b.	b. Sindhndurg						
	c.	Nashik						
	d.	Osmanabad						
	Ans							
	(1)							
	(2)	Only b						
	(3)	Only a and b						
	(4)	All of the above						
88.		nt variety should have er PPVFRA, 2001.	eligibility	criteria for registratio	on of plant variety			
	a.	Novel		•				
	b.	Unifrom and Stable		·				
	c.	Distinct						
	d.	All of the above						
	Ans	Answer Options						
	(1) Only a and b							
	(2)	Only and c						
	(3)	Only c and d						
	(4)	Only d						
89.	The	total of all the chemical	reactions that tak	es place in an organi	sm is called			
	a.	Catabolism	b.	Anabolism				
	c.	Metabolism	d.	None of the above				
	Ans	Answer Options:						
	(1)	Only d	(2)	Only a and c				
	(3)	Only c	(4)	Only b				
कच्च	—— ा कामार	प्ताठी जांगा / SPACE FOR RO	UGH WORK		P.T.O.			

90.	Light phase of photosynthesis takes place in							
	a.	Vacuole	b.	Grana				
	c.	Stroma	d.	None of the above				
	Ans	swer Options :						
	(1)	Only a	(2)	Only d				
	(3)	Only b	(4)	Only b and c				
91.	A st	imulated cell will often release ca	ılcium ion	s from its				
	a.	Nucleus	b.	Mitochene ia				
	c.	Endoplasmic reticulum	d.	Lysosome				
	Ans	swer Options :						
	(1)	Only c	(2)	Only d				
	(3)	Only a and d	(4)	Only c and d				
92.	Whi	ich is the maintainer line used in	production	n of hybrid seeds ?				
	(1)	A line (2) R line	(3)	B line (4) P line				
9 3.	Whi	Which method is useful for recovering virus-free plants from virus-infected plants?						
	(1)	Embryo culture	(2)	Pollen culture				
	(3)	Root culture	(4)	Meristem culture				
94.	For humans is a statistical tool used to test for possible linkage between two genetic loci.							
	two		_					
	a.	Chi square	b.	Lod score method				
	c.	Student test	d.	ANOVA				
	Answer Options:							
	(1)	Only a and c	(2)	Only b				
	(3)	Only c and b	(4)	Only d				
95.	The	stomata closed in water stressed	plants du	e to accumulation of ABA is in				
	(1)	Mesophyll cells	(2)	Subsidiary cells				
	(3)	Guard cells	(4)	All of the above				
		_						

96.	The	The development of embryo without fertilization is known as							
	a.	Apogamy	b.	Adnogamy					
	c.	Parthenogenesis	d.	Apospory					
	Answer Options:								
	(1)	Only a and c	(2)	Only b					
	(3)	Only a	(4)	Only a, c and d					
97.	In p	hotosynthesis, dark reaction or Blac	kman'	s reaction is					
	(1)								
	(2)	Non enzymatic and occurs in the al	bsence	of light					
	(3)	Enzymatic and independent of ligh	!						
	(4)	Non-enzymatic and occurs in the p	reseric	e of light					
98.	Desirable linkage can be broken more effectively by								
	a.	Pedigree method	b.	Diallel selective mating					
	c.	Backcross method	Bulk method						
	Ans	swer Options							
	(1)	Only b	(2)	Only a and c					
•	(3)	Cnly a	(4)	Only c					
99.	Rec	citrant seeds are also known as							
	(1)	Desiccation tolerant seeds							
	(2)	2) Desiccation sensitive seeds							
	(3)	Orthodox seeds							
	(4)	Long lived seeds							
100.	-	is a vector of rice grassy stunt	virus						
	(1)	Nilaparvata lugens	(2)	Leptocorisa acuta					
	(3)	Stenchaetothrips biformis	(4)	Cnaphalocrosis medinalis					
	_				DTO				

सूचना 🗀 (पृष्ठ 1 वरून पुढे.....)

- (8) प्रश्नपुस्तिकेमध्ये विहित केलेल्या विशिष्ट जागीच कच्चे काम (रफ वर्क) करावे. प्रश्नपुस्तिकेव्यतिरिक्त उत्तरपत्रिकेवर वा इतर कागदावर कच्चे काम केल्यास ते कॉपी करण्याच्या उद्देशाने केले आहे, असे मानले 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 रुपये एक हजार रकमेच्या दंडाच्या शिक्षेस पात्र होईल.
- (9) सदर प्रश्नपत्रिकेसाठी आयोगाने विहित केलेली बेळ संपल्यानंतर उमेदवाराला ही प्रश्नपुस्तिका स्वत:बरोबर परीक्षाकक्षाबाहेर घेऊन जाण्यास परवानगी आहे. मात्र परीक्षा कक्षाबाहेर 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 , and success.

(1) for

(2) at

(3) on

(4) about

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

प्र.क. 201.

(2)



अशा पद्धतीने प्रस्तुत प्रस्तुति होतील प्रत्येक प्रश्नाचा तुमचा उत्तरक्रमांक हा तुम्हाला स्वतंत्ररीत्या पुरविलेल्या उत्तरपत्रिकेवर ता त्या प्रश्नक्रमांकासमोरील संबंधित वर्तुळ पूर्णपणे छायांकित करून दाखवावा. ह्याकरिता फक्त ाळ्या गाईचे बॉलपेन वापरावे, पेन्सिल वा शाईचे पेन वापरू नये.

क्रच्चा कामासाठी जागा/SPACE FOR ROUGH WORK