MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF SERICULTURE EXTENSION OFFICER UNDER SERICULTURE DEPARTMENT GOVERNMENT OF MIZORAM, OCTOBER, 2020

TECHNICAL PAPER - II

Time Allowed: 2 hours		Full Marks: 150		
All questions carry equa Attempt all qu		·		
1. Which country is the largest producer of raw silk?)			
(a) Japan	(b)	India		
(c) China	(d)	South Korea		
2. India occupies the position in pro	oducti	ion of raw silk in the world.		
(a) 2^{nd}	(b)	3^{rd}		
(c) 4 th	(d)	5 th		
3. Maximum raw silk produced in India is:				
(a) Bivoltine silk	(b)	Multivoltine silk		
(c) Univoltine silk	(d)	Trivoltine		
4. Which state is the largest producer of raw silk in I	ndia?			
(a) Tamil Nadu	(b)	Andra Pradesh		
(c) Karnataka	(d)	West Bengal		
5. What is Vanya silk?				
(a) Vanya silk is produced by non-mulberry silkworms				
(b) Eri silk				
(c) Raw silk				
(d) Oak tasar silk				
6. Which state is the leading raw silk producer in Ind	lia?			
(a) Tamil Nadu	(b)	Karnataka		
(c) Andra Pradesh	(d)	West Bengal		
7. Which country is producing all the four commercial silk in the world?				
(a) India	(b)	China		
(c) South Korea	(d)	Japan		
8. Muga silk is produced only in:				
(a) India	(b)	Bangladesh		
(c) Pakistan	(d)	Myanmar		
9. Define Sericulture.				
(a) Sericulture is the science that deals with the	produ	action of raw silk by rearing of silkworms.		
(b) Silk culture		-		

(c) Silkworm rearing

(d) The process in which raw silk is produced

10.	More	than	% of the raw silk produ	ictio	n in India is mulberry silk.
	(a)	80 %		(b)	87 %
	(c)	89 %		(d)	77 %
11.	Wha	t is ants well?			
	(a)	It is the seat of rearing	g rack		
		Alluminium bowl			
	(c)	It is a device to preven	nt ants from entry into th	ne rea	aring racks containing rearing tray.
	(d)	Plastic mug			
12.	The s	cientific name of Mulb	erry silkworm is:		
	(a)	Bombyx mori		(b)	Bombyx mandarina
	(c)	Bombyx rotundapex		(d)	Bombyx incomposita
13.	Philo	samia ricini is the scien	tific name of:		
	(a)	Eri silk worm		(b)	Muga silkworm
	(c)	Oak Tasar silkworm		(d)	Mulberry silkworm
14.	Out	of the four variety of sil	kworms which one is th	e onl	ly monophagus in nature.
	(a)	Mulberry silkworm		(b)	Muga silkworm
	(c)	Eri silkworm		(d)	Oak tasar
15.	In Or	rissa Tropical Tasar is 1	mainly fed on		leaves.
		Sal		(b)	Arjun
	(c)	Ber		(d)	Janum
16.	Expl	ain polyphagus insects?	•		
	(a)	Insects (including silk	cworm) that feed on mor	e tha	an one food plants.
	(b)	Multi food plants			
	(c)	Muga silkworm only			
	(d)	Mulberry silkworm or	nly		
17.	Silkv	vorm undergoes	moulting.		
	(a)	two		(b)	three
	(c)	four		(d)	five
18.			are intersegmental men	ıbraı	nes of the body which becomes swollen and
		kin becomes shiny.			
	` '	Flacherie		(b)	Muscardine
	(c)	Grasserie		(d)	Pebrine
19.		is Voltinism?			
			per of generation in a year	r	
		One generation in a y			
		Two generation in a y			
		Number of moulting i	n a year		
20.		is fecundity?			
		Number of eggs laid b	•	` ′	The number of eggs laid by a single moth
	(c)	Number of eggs laid b	oy eri	(d)	Number of mulberry eggs

21.	The average number of eggs laid by Mu	ılberry silk moth	is:
	(a) 300	(b)	400
	(c) 450	(d)	500
22.	Name Oak Tasar silkworm reared in M	izoram :	
	(a) Antherea proylei	(b)	Antherea mylita
	(c) Anthereae roylei	(d)	Anthereae frithi
23.	Explain Chawki rearing.		
	(a) Rotational rearing		
	(b) Rearing of young age silkworm (pr	eferably upto 2 nd r	moult out) under optimum climatic conditions
	(c) Rearing of late worms		
	(d) Rearing of first stage worms		
24.	Explain Why Chawki rearing is necessar	ry?	
	(a) To protect early age worms		
	(b) Chawki rearing is necessary to n increase cocoon yield	ninimize the los	s and mortality of young age worms and to
	(c) To increase filament length		
	(d) To increase cocoon yied		
25	What is the purpose of Ante room?		
23.	(a) To act as barrier to the entry of	Uzi fly (b)	To act as disinfection room
	(c) A room to culture Uzi fly	• • • •	Prevention of Uzi fly
26	Optimum temperature for rearing mulbe	` ′	•
20.	(a) 24° C - 26° C	•	24° C - 25° C
	(a) 24 C - 20 C (c) 26° C - 28° C	()	23° C - 28° C
27		()	25 C - 26 C
21.	What is the main physical disinfectants? (a) cold storage		sunlight
	(c) wind		to keep outside
20		` /	to keep outside
28.	What is the tropical Tasar silkworm rea		Anthonogo pavilitto
	(a) Anthereae roylei	* *	Anthereae mylitta
20	(c) Anthereae yamamai	` /	Anthereae proylei
29.	Muga worms came down to the bottom		
	(a) geotropism	` '	descending worms
• •	(c) falling worms	` ′	bharpok
30.	The chromosome number of Anthereae	- •	20
	(a) 30 - 49	. ,	30
	(c) 25 - 30	` /	40
31.	Muga silkworm has the minimum numb of Muga silkworm is:	er of chromosom	e than all other silkworms. The chromosome
	(a) 25	(b)	30
	(c) 15	(d)	40
32.	Oak Tasar silkworm is a	bivoltine.	
	(a) strong	(b)	pure
	(c) weak	(d)	partial

33.	Silkw	vorm undergo times	s moulting.			
	(a)	two	((b)	three	
	(c)	four	((d)	five	
34.	When	n are out of moult	feeding may	y be	resumed.	
	(a)	80%	((b)	90%	
	(c)	95%	((d)	100%	
35.		piochemical aspect of A. myllita ha		die	d and showed pH of diseases larvae of the	
	(a)	Acidity	((b)	Alkalinity	
	(c)	Both acidity and alkalinity	((d)	None of these	
36.	Hybr	id vigour is also known as :				
	(a)	Crossing of two species	((b)	Heterosis	
	(c)	Dominant gene	((d)	Crossing of two breeds	
37.	Unde	er major classification of insects, Mu	lberry silkw	orn	n comes under the family of:	
	(a)	Bombycidae	((b)	Saturniideae	
	(c)	Lepidoptera	((d)	Monoclamydae	
38.	Anth	ereae pernyi feeds on	leaves.			
	(a)	Oak		(b)	Castor	
	(c)	Som	((d)	Soalu	
39.	What	t is cross breed?				
	(a)	Crossing of two different races				
	(b) Cross breed is the mating of two or more different breeds(c) Crossing of two breeds					
	(d)	Production of Multi x Bi				
40.	When	re a univoltine race is reared in India	?			
	(a)	Bihar	((b)	Kashmir state	
	(c)	Karnataka	((d)	West Bengal	
41.	How	many types of mutation breeding ar	e there?			
		Two		(b)	Three	
	(c)	Four	((d)	Five	
42.	Defin	ne generation gap?				
	(a)	The time between the parents and the	he offspring	Γ		
		The average age of the parents who			g are born	
	(c)	The gap between the moth and the	silkworms	-	_	
	(d)	The life cycle of an insect				
43.	Most	absorption of water in a plants take	s place from	n th	e:	
		root tap			root branches	
	(c)	hairs zone	((d)	tape root	
44.	The a	arrangement of leaves in a plants is k	nown as :			
		leaf bud		(b)	attachment of leaf	
	` /	phylotaxy		(d)	taxonomy	

45.	Male and female moth of Tasar silkworm can easily be differentiate from the:					
	(a)	wings	(b)	thorax		
	(c)	antennae	(d)	abdomen		
46.	The a	abdomen of female moth in mulberry is compa	rativ	ely than the male moth		
	(a)	smaller	(b)	bigger		
	(c)	longer	(d)	thinner		
47.	The s	scientific name of Muga silkworm is:				
	(a)	Antherea mylitta	(b)	Antherea assamensis		
	(c)	Antherea polyphemus	(d)	Antherea frithi		
48.	Phylo	osamia Cynthia is the wild silk moth of:				
	(a)	Muga	(b)	Tasar		
	(c)	Eri	(d)	Mulberry		
49.	Leaf	rust is caused by:				
	(a)	Virus	(b)	Leaf gall		
	(c)	Fungus	(d)	Bacteria		
50.	Powe	dery mildew is a fungus caused by:				
	(a)	Phyllactinia corylea	(b)	Cercospora moricola		
	(c)	Cerolellum fici	(d)	Puccinia triticina		
51.	The 1	eaf spot of som can be controlled by spraying	:			
	(a)	Bavistin	(b)	Indofil M-45		
	(c)	Mathene M-45	(d)	Glycel		
52.	The	causative agent of Pebrine disease is:				
	(a)	Berrelina virus	(b)	Nosema bombysis		
	(c)	Polyhedrosis	(d)	Puccinia recondita		
53.	3. Name the disease of silkworm that can be transmitted from parents to the offspring.					
	(a)	Virus disease	(b)	Fungal disease		
	(c)	Bacterial disease	(d)	Pebrine disease		
54.	4. The most common disinfectant used in silkworm rearing is:					
	(a)	2 -5% formalin	(b)	0.1% rogor		
	(c)	Bleaching powder	(d)	Lime		
55.	The	most economic method of silkworm rearing is:				
	(a)	tray rearing	(b)	shoot rearing		
	(c)	chawki rearing	(d)	by any means		
56.	The	mode of transmission of disease from the infect	ted m	nother moth is called:		
	(a)	transfer of disease from the ovary	(b)	transovarial		
	(c)	inherited disease	(d)	transgenesis		
57.	Plant	hopper is also called:				
		leafhopper	(b)	root knot		
	(c)	jassid	(d)	sucking insect		

58.	Bihai	r caterpillar is controlled by:					
	(a)	leaf plucking	(b)	spraying of DDT			
	(c)	installation of light trap	(d)	yellow sticky trap			
59.	Jassi	d attacks mostly the :					
	(a)	root	(b)	leaf			
	(c)	stem	(d)	the trunk			
60.	Brow	vn beetle in Assam causes maximum injury d	uring:				
	(a)	November - December	(b)	October - November			
	(c)	September – October	(d)	January - March			
61.	In M	uga, hibernating pupae are found along the	seed co	coons collected from the:			
	(a) high altitude			plain area			
	(c)	foot hills	(d)	all of these			
62.	The a	advantage of shoot rearing is it requires clea	ning on	ly during rearing.			
	(a)	once	(b)	twice			
	(c)	thrice	(d)	5 times			
63.	Flack	nerie is the general term of	disease	e.			
	(a)	bacterial	(b)	viral			
	(c)	fungal	(d)	both viral and fungal			
64.	Very	high temperature during egg laying results to	o:				
	(a)	reduced eggs	(b)	dead eggs			
	(c)	diapause eggs	(d)	unfertilized eggs			
65.	Mulb	perry moth emerges after:					
	(a)	9 – 14 days of spinning cocoons	(b)	10 – 15 days of spinning cocoons			
	(c)	15 – 20 days of spinning cocoons	(d)	8 – 14 days of spinning cocoons			
66.	Fema	ale moth is generally:					
	(a)	weaker	(b)	inactive			
	(c)	stronger than male moth	(d)	over active			
67.	Occu	rrence of grasserie is throughout the year b	ut mere	e in:			
	(a)	Spring	(b)	Summer			
	(c)	Winter	(d)	Autumn			
68.	Uzi f	lies are pest of:					
	(a)	Mullberry	(b)	Non-Mulberry			
	(c)	All variety of silkworms	(d)	Eri			
69.	Ants	brings more damage to silkworm reared in	:				
	(a)	Indoor	(b)	Outdoor			
	(c)	Semi out door	(d)	Semi indoor			
70.	Birds	s are also predators causing extensive dama	ge to sil	kworm of:			
	(a)	Mulberry	(b)	Non-Mulberry			
	(c)	Eri	(d)	Muga			

71. Septicemia is another form of	_disease.				
(a) Grasserie	(b)	Flacherie			
(c) Fungal disease	(d)	Pebrine			
72. Mulberry grows best in a rainfall ranging of:					
(a) $650 - 2000 \text{ m}$	(b)	600 - 650 m			
(c) $700 - 2500 \text{ m}$	(d)	$200 - 2500 \ m$			
73. The best season for planting mulberry in the N	orth East	is:			
(a) January - February	(b)	March - April			
(c) May - June	(d)	June – July			
74. A common size of Mulberry nursery bed is:					
(a) $2 \text{ m x } 0.45 \text{mm}$	(b)	2.5 m x 0.45 m			
(c) 2 m x 1 m	(d)	2.5 m x 2 m			
75. Space for raw system of planting mulbery is:					
(a) 50cm × 10cm	(b)	45cm × 10cm			
(c) 50cm × 15cm	(d)	$40\text{cm} \times 10\text{cm}$			

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