TEST BOOKLET

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Test Booklet Series

Serial No.

911390

B

BAC-40

FORESTRY

Time Allowed: 2 Hours

Maximum Marks: 300

INSTRUCTIONS TO CANDIDATE

- 1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS 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.
- 2. ENCODE YOUR OPTIONAL SUBJECT CODE AS MENTIONED ON THE BODY OF YOUR ADMISSION CERTIFICATE AND ADVERTISEMENT AT APPROPRIATE PLACES ON THE ANSWER SHEET.
- 3. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACES IN THE ANSWER SHEET USING HB PENCIL.
- 4. You have to enter your Roll No. on the Test Booklet in the Box provided along side. DO NOT write anything else on the Test Booklet.
- 5. This Test Booklet contains 120 items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
- 6. You have to mark all your responses **ONLY** on the separate Answer Sheet provided by using HB pencil. See instruction in the Answer Sheet.
- 7. All items carry equal marks. All items are compulsory. Your total marks will depend only on the number of correct responses marked by you in the Answer Sheet. For each question for which a wrong answer is given by you, one fifth (0.20) of the marks assigned to that question will be deducted as penalty.
- 8. Before you proceed to mark in the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
- 9. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator the Answer Sheet, the Test Booklet issued to you.

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Serie	s_R	16	2.	BAC-			
	(d)	Thorough irrigation and fertilizers	s treat	ment of the area.			
	(c)	By soil conservation measures.					
	(b)	By social forestry activities.					
nether to	(a)	The state of the s		adopting sound silvicultural practices.			
11.	The	The objectives of Forest Management can be met with					
	(d)	By developing Village Forests.					
	(c)	Protection of forests from biotic a		107 000 00.00 0000,			
	(b)						
AU.	(a)						
10.		principles of Forest Management a	re has	ed on			
	(c)	Deodar	(d)	Salix			
	(a)	Bamboo	(b)	Teak			
9.	Elite	thinning is prastised in which tree	specie	es ?			
	(c)	2000	(d)	20000			
	(a)	1000	(b)	100			
8.	The	approximate number of seeds per g	ram o	f Eucalyptus tereticornis is			
	(c)	Strip sowing	(d)	Ridge-ditch sowing			
	(a)	Ridge sowing	(b)				
7.	In the areas of uncertain rainfall what type of sowing method is followed?						
2960	(c)	Hard seed coat	(d)	Seed viability			
	(a)	Dormancy	(b)	After ripening			
	chen	nically ready for germination. This	is call	ed			
6.	Even when the embryo is fully developed the seed do not germinate because it is not						
	(c)	5 – 6 years	(d)	7 – 8 years			
	(a)	3 – 5 years	(b)	4 – 5 years			
5.		rea robusta has a good seed year ev	Sec. 15	2			
	(c)	1–2 weeks	(d)	More than a year			
	(a)	1–2 months	(p)	6–12 months			
4.		seed viability period for Shorea rol					
	A 1880	•					
	(a) (c)	Pruning Pollarding	(b) (d)	Thinning Girdling			
3.		at tending operation is carried out to	130 mm				
•	- 10						
	(a) (c)	Recruit Established	(b) (d)	Woody shoot Unestablished shoots			
2.		at regeneration category the symbol					
_							
	(a) (c)	Holoptelia Diospyros	(b) (d)	Teak Oaks			
1.		ls of which species is disposed by w					
-	1000	and the same of th	-				

- 12. How the sustained yield of the forest is expressed?
 - (a) Sustained yield is expressed as the allowable cut (extraction) i.e. gross increment minus natural loss due to fire, wind, epidemics, etc.
 - (b) Sustained yield is expressed after clear felling the forest.
 - (c) Sustained yield is maintained by continuous planting the forest area.
 - (d) Through the regeneration of forest by coppicing.
- 13. What are pre-requisites for sustained yield management?
 - (a) By removal of harvestable plants irrespective of any prescribed age.
 - (b) Regeneration of area through coppice and cutting of forest at the end of harvesting period.
 - (c) Planting and regular cutting for the area.
 - (d) Sustained annual yield is to be maintained by a complete succession of equal areas of crop of all ages of maturity (say 10 years) and removal of 10 years old wood or mature wood annually (complete series of age gradation).
- 14. What is the normal forest?
 - (a) A forest which is kept uniform under uniform system.
 - (b) Normal forests are over stocked with forest trees.
 - (c) An area represented with all age classes and with uniform conditions of increment and stocking.
 - (d) They are under stocked with trees and have medicinal plants.
- 15. How the normal even aged and uneven aged forests are distinguished?
 - (a) The forests which are worked on clear felling system.
 - (b) The forests which are worked on age gradation basis.
 - (c) Forests containing larger number of small trees than bigger ones per hectare mixed together (size gradation) worked under selection system.
 - (d) The forests which are worked on coppice system.
- 16. What do you understand by Normal Growing Stock (N.G.S.)?
 - (a) Any increase or decrease in the income from the forests
 - (b) The total volume of trees in a fully stocked forest with normal distribution of age classes for a given rotation.
 - (c) Over stock mixed forest area
 - (d) On basis of forestry practices applied in the area
- 17. How the growing stock is determined?
 - (a) By enumeration of the biodiversity of the forest area.
 - (b) By preparation of inventories of forest areas, volume of trees and aerial photography.
 - (c) By determining age of the forest crop.
 - (d) By number of species growing in the area.

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- 18. How the Normal Growing Stock (N.G.S.) is determined?
 - (a) By a formula evolved by Munger (U.S.A) based on Current Annual Increment (C.A.I.)
 - (b) By the formula evolved by Fischer.
 - (c) By counting the species density of the area.
 - (d) By measuring the girth of the tree species.
- 19. How yield is regulated in irregular forests?
 - (a) Yield based on growing stock only.
 - (b) Yield based on increment only.
 - (c) Yield based on volume of growing stock.
 - (d) By Biolley's "check method."
- 20. What are the objects for classification of silvicultural systems?
 - (a) It is based on systematization of knowledge and precautions against wrong use as well as directions to planned treatment of crops.
 - (b) On basis of need for developing the biodiversity.
 - (c) Enhancing the productivity of forest.
 - (d) Developing non-timber forest produce.
- 21. What do you understand by the clear felling system?
 - (a) In this system soil is conserved, maintains natural soil flora and fauna; invasion of weed and grasses decrease.
 - (b) A silvicultural system in which equal or equi-productive areas of mature crops are successively clear felled in one operation to be regenerated most frequently artificially.
 - (c) This system does not involve formation of annual coupes.
 - (d) In this system damage to new crop is involved by felling of older trees.
- 22. What are the objects of uniform system?
 - (a) There is no regulation of light and shelter against adverse climatic factors in this system.
 - (b) Incidence for grazing and browzing is controlled.
 - (c) There is high risk of soil deterioration and erosion.
 - (d) It is a system aiming at concentrated regeneration in which the canopy is uniformly opened up over the whole area of a compartment to obtain uniform regeneration.
- 23. Which type of crop is there in selection system?
 - (a) Felling and regeneration is done in whole part of area for even age crop.
 - (b) The regeneration operations are carried out during a part of life of forest crop.
 - (c) All aged uneven forest crop is there in selection system.
 - (d) There is no criteria for removal of undesirable species.
- 24. In coppice system coppice shoots originates from which parts?
 - (a) The coppice shoots originates from roots.
 - (b) The new coppice crop originates from stool/stumps through callus or dormant buds.
 - (c) The coppice crop originates from seed.
 - (d) The coppice crop originates from branch cuttings.

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g		St	udy
25.		t is the pattern of rotation in coppice with standard? It has two rotation one for coppice and other for standard.	
	(a)		
	(b)	For coppice only.	
	(c)	For standard only. This has short rotation of condling coppies.	
3	(d)	This has short rotation of seedling coppice.	
26.	How	the crop is developed in conversion system?	
	(a)	The two mixed crops are maintained.	
	(b)	Single pure crop is developed.	
	(c)	The crop composition is not changed.	
	(d)	This system involves a change in crop composition.	
27.	Wha	at is the scope of silvicultural systems?	
	(a)	It is helpful in planting of new species.	
40	(b)	It is a procedure adopted for removal of a forest crop at a given set of conditions	and
	. ,	its regeneration.	
	(c)	Planting of exotic species.	
	(d)	It is used for developing non-timber forest produce.	
28.	To sx	which States conversion from coppice with standard to coppice with reserve is mo	stlv
20.	done		,
	(a)	States of Madhya Pradesh and Maharashtra forests	
	(b)	Orissa forests	
	(c)	Uttranchal forests	
	(d)	Manipur and Tripura forests	
	36 5		
29.	Whi	ich system will be applied if the object of management is production of fuel, st	mall
	timb	per or even poles?	
	(a)	Uniform system may be applied	
	(b)	Selection system may be applied	
	(c)	Clear felling system will be applied	
	(d)	Any of the coppice system may be applied with advantage of species which coppic	:e
30.	Who	en the Forest Policy of India was formed first after independence?	
	(a)	1952 (b) 1955	
	(c)	1958 (d) 1988	
31.		which Forest Policy the development of tribal people and forest villages	was
	ana	ouraged?	

Pre-independence Forest Policies

Forest Policy of 1988 (b)

Forest Policy of 1952 (c)

National Commission of Agriculture, 1976.

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- 32. In which Forest Policy it was laid out that the India's forest cover should be 33 per cent?
 - (a) Forest Policies of pre-independence
 - (b) Forest Policy of 1994
 - (c) Forest Policy of 1952
 - (d) Forest Policy of 1988
- 33. What is the major emphasis given in the National Commission of Agriculture 1976?
 - (a) Collection of forest products.
 - (b) The development of industries like pulp, paper and panel products.
 - (c) Cutting of natural forest for timber.
 - (d) Collection of medicinal plants.
- 34. What does Indian Forest Act envisaged?
 - (a) Law relating to punishment on forest offences.
 - (b) Bill or Act relating to conservation of environment.
 - (c) It is related to plantation on wasteland.
 - (d) The law relating to forests, the transit of forest produce and duty leviable on timber and other forest produce.
- 35. The cases of denotification, diversion of forest land for non-forest purposes and leasing of forest land to private bodies and cleaving of naturally grown trees are governed under which Act?
 - (a) Forest Conservation Act
- (b) Indian Forest Act
- (c) Forest Protection Act, 1988
- (d) Indian Forest Bill, 1980.
- 36. Who is granting forest clearance for major mining projects?
 - (a) Ministry of Environment and Forest, Government of India and State Government.
 - (b) Only State Forest Department.
 - (c) By the State Revenue Department.
 - (d) By the Principal Chief Conservator of Forests.
- 37. What are the main objectives of National Wasteland Development Board?
 - (a) For management of forests.
 - (b) For cutting of timber and agro-forestry practices.
 - (c) For afforestation of wasteland of the country.
 - (d) For enhancing the productivity of non-timber forest produce.
- 38. What is the position of Rural people and 'Adivasis' in the National Commission of Agriculture?
 - (a) The Commission put blame against the interest of Rural people/Adivasis and blame them for crimes.
 - (b) It allows them to cut forest for timber.
 - (c) It allows them for free collection of all forest produce.
 - (d) It allows them for cultivation in forest land.

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39.	• Under which Act, the Government impose restriction on forest land for diversion to no forest purpose?							
		Indian Forest Act	(b)	Forest Conservation Act				
	(c)	Indian Forest Policy	(d)	Indian Forest Bill, 1980				
40.	The b	pasic objective of Joint Forest Mana	ageme	nt is				
	(a)	Involvement of local people in dec	cision	making in Forest Management.				
	(b)	Involvement of State Forest Depart						
	(c)	Involvement of NGOs in Forest M	Ianage	ement.				
	(d)	Involvement of academic institution	ons In	Forest Management.				
41.	The l	basic attributes which all agro-fores		stem possess are				
	(a)	Productivity	(b)	Sustainability				
	(c)	Adaptability	(d)	All of the above				
42.	Agro	o-forestry systems are classified bas						
	(a)	Structure and function	(b)	Component				
	(c)	Socio-economic aspects	(d)	All of the above				
43.	Hom	ne gardens are common in		Haryana				
	(a)	Kerala	(b)	Haryana				
	(c)	Chhatisgarh	(d)	Jharkhand				
44.	Litte	erfall and prunings of which of the	follow	ing tree species contribute maximum?				
7 88	(a)	Poplar	(b)	Eucalyptus				
	(c)	Leucaena	(d)	Neem				
45.	Nutr	rient recovery in agroforestry comp	ared to	o sole crop is				
45.	(a)	Lower	(b)	Higher				
	(c)	Same	(d)	Doesn't matter				
	77		tad in	one hectare of land at a spacing of 4×2.5 m?				
46.			(h)	2500				
	(a) (c)	1000 4000	(d)	5000				
			1	Lada a supplied to use forests in their vicinity				
47.	The	The original idea to assist rural poor in developing countries to use forests in their vicinity in a sustainable manner and to their economic advantages comes under						
	(a)	Forestry	(b)					
	(c)	Social Forestry	(d)	Agro-forestry				
	(0)	500141 1 010047	, ,					
48.	Sco	pe of community forestry includes		7 - 1 1 1 1 · · · · · · · · · · · · · · ·				
	(a)	Establishing woodlots for fuel	(b)					
	(c)	Providing fodder for livestock	(d)	All of the above				
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49.	49. Percent geographical area under forest and tree cover in Orissa State is				
	(a)	20–24 %	(b)	26–28 %	
	(c)	30–32 %	(d)	34–36 %	
50.		e term 'Jointing' is related to)		
	(a)	Sharpening of saw teeth	(b)	Levelling of saw teeth	
	(c)	Setting of saw teeth	(d)	All of these	
51.		afoetida' (Hing) is			
	(a)	Hard resin	(b)	Oleoresin	
	(c)	Gum-resin	(d)	All of these	
52.	Alk	aloid extracted from Sarpga	ndha (<u>Rauwol</u>	fia Serpentina) is	
	(a)	Berberine	(b)	Rutin	
¥0	(c)	Reserpine	(d)	Solasodine	
53.	Inde	elible marking ink is obtaine	d from the fru	it of	
	(a)	Sapindus mukorossi	(b)	Diospyros melanoxylon	
	(c)	Cedrius deodara	(d)	Semecarpus anacardium	
54.	'Enf	fleurage' is a process to extr	act	Oxy	
	(a)	Fatty acids	(b)	Essential oils	
	(c)	Tans	(d)	Dyes	
55.	'Cal	cium Carbonate' is added d	uring making o	of	
	(a)	Cigarette paper	(b)	Drawing paper	
	(c)	Blotting paper	(d)	Printing paper	
56.	Banc	d saw in a saw mill has			
	(a)	Straight blade	(b)	Endless blade	
	(c)	Circular blade	(d)	None of these	
57.	Whic	ch of the following grass is	used for makin	ng rones ?	
	(a)	Eulaliopsis binata		Heteropogon contortus	
	(c)	Panicum maximum	(d)	Pennisetum purpureum	
58.	'Ruti	in' is reported to be present	in some specie	es of	
	(a)	Populus	(b)	<u>Tectona</u>	
	(c)	Shorea	700000000000000000000000000000000000000	Eucalyptus	
59.	'Coir	r', a coarse fibre, is a modifi	cation of whic	h of the following parts of a coconut fruit?	
100 (100 T)	(a)	Epicarp	(b)	Mesocarp	
	(c)	Endocarp		All of these	
٥.					
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60.	Ene	ergy flow in forest ecosystem is alw	ays	
	(a)	Multidirectional	(b)	Bidirectional
	(c)	Unidirectional	(d)	None of the above
61.	Pyr	amid of Biomass in forest ecosyste	m mav	be
	(a)	Inverted	(b)	Upright
	(c)	Both (a) and (b)	(d)	None of the above
62.	The	process of succession in forest eco	svsten	after forest fire will be
	(a)	Secondary succession	(b)	
	(c)	both (a) & (b)	(d)	Induced succession
63.	Gro	ss primary productivity is calculate	d as	
	(a)	GPP + R	(b)	GPP – R
	(c)	NPP + R	(d)	Both (b) & (c)
64.	Villa	age wood lot serves the purpose of		
	(a)	Fuel and fodder		*
	(b)	Food and fibre		, O)
	(c)	A, b and amelioration of Environ	ment	
	(d)	None of the above		a.oro
65.	Bio.	reo chemical avaling of mutuicate		
00.	(a)	-geo-chemical cycling of nutrients		
	(c)	Gaseous and sedimentary cycles Nitrogen cycle	(b)	Carbon cycle
	(0)	Nitrogen cycle	(d)	Hydrological cycle
66.	The	art and science of growing trees is	designa	ated as
	(a)	Horticulture	(b)	Silviculture
	(c)	Sericulture	(d)	Apiculture
67.	Wate	erched management and by June 1		
07.	(a)	ershed management can be done by Afforestation		
	3050. 650		(b)	Grassland development
	(c)	Water harvesting	(d)	Integrated farming system
68.	Trop	ical Sal (Shorea robusta) forest in C	Drissa s	stands under
	(a)	Biotic climax	(b)	Edaphic climax
	(c)	Climatic climax	(d)	None of the above
69.	Impo	rtance Value Index (IVI) in forest c	ommu	nity is calculated as
	(a)	Percentage value of relative freque together.	ency, r	elative density and relative dominance added
	(b)	Percentage of frequency, density a	nd abo	ndance added together
	(c)	Percentage dominance, density and	fream	ency added together
		None of the above.	. noqu	ency added together.
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70.	Litto	ral forests are found in		
	(a)	Coastal areas	(b)	Hilly areas
	(c)	Desert areas	(d)	Deccan plateau
71.	Max	imum forest area in India comes u		
	(a)	Tropical wet evergreen forest	(b)	Tropical moist deciduous forest
	(c)	Tropical dry evergreen forest	(d)	Tropical dry deciduous
72.	The	Red Lists of world's fauna and flo	ora is co	
	(a)	WWF	(b)	IUCN
	(c)	WCMC	(d)	WRI
73.	Dacl	higam National Park is known for	the con	servation of an endangered species that is
	(a)	Brow-antler deer	(b)	Swamp deer
80	(c)	Hog deer	(d)	Hangul
74.	A fr	ost tender tree is		
	(a)	Acacia catechu	(b)	Pinus roxburghii
	(c)	Azadirachta indica	(d)	Toona ciliata
75.	Whi		ot a Wo	orld's Heritage Site adopted by UNESCO?
	(a)	Kanha National Park		
	(b)	Sunderbans National Park		
	(c)	Nandadevi and Valley of Flowe	r Natior	al Park
	(d)	Manas Wildlife Sanctuary		
76.	Dan	npa Tiger Reserve is located in the	State o	of
in attac	(a)	Madhya Pradesh	(b)	Arunachal Pradesh
	(c)	Mizoram	(d)	Assam
77.	Hai	ley National Park is the oldest Pro	tected A	Area in India. Its present name is
	(a)	Kaziranga National Park	(b)	Bandhavgarh National Park
	(c)	Corbett National Park	(d)	Gir National park
78.	Wh	ich one of the following Zoo is th Asiatic Lion and Asiatic Wild Ass	e officia	al stud book keeper for pure wild genetic breed
	(a)	Alipore Zoo, Kolkata	(b)	Nehru Zoological Park, Hyderabad
	(c)	Sakkarbagh Zoo, Junagarh	(d)	Nandankanan Zoo, Bhubaneswar
79.	Wh	nich Schedule of Wildlife (Protecti	on) Act	, 1972 lists endangered plants?
	(a)	Schedule I	(b)	
	(c)	Schedule IV	(d)	Schedule II
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80.	When the pollen of a flower falls on the stigma of the flowers in the same plant, is termed as				
	(a)	Allogamy	(b)	Chasmogamy	
	(c)	Geitonogamy	(d)	3	
01					
81.	tom	neu as	ation	in the genetic constitution of an organism is	
	(a)	Genetic drift	(b)	Selection	
	(c)	Mutation	(d)	All of the above	
82.	The	superiority of an F ₁ hybrid over be	oth its	parents in terms of volume/yield or some other	
	chai	racters is known as			
	(a)	Balanced heterosis	(b)	Luxurience	
	(c)	Heterobeltiosis	(d)	None of the above	
83.	Max	simum frequency of polyploidy in f	Tomont 4	mas file Care - 1.0	
	(a)	Angiosperm	(b)		
	(c)	Both of them (A & B)	(d)	Gymnosperm None of them	
	2 15		(u)	None of them	
84.		sculation is the process of		<u> </u>	
V	(a)	Removal of immature stigma	(b)	Removal of mature anthers	
	(c)	Removal of both (A & B)	(d)	None of the above	
85.	Phen	notypic identification of plus tree is	done	hu .	
	(a)	One yellow band	(b)	Two yellow band	
	(c)	Three yellow band	(d)		
06	XX 21	9			
86.	10 KII	Own as	assum	e tree form but continue to grow like a branch	
	(a)	Plagiotropic growth	(b)	Orthotropic growth	
	(c)	Juvenile growth	(d)	All of the above	
87.	Trees	s selected from the natural stands ding is known as	or unii	mproved plantation for the next generation of	
	(a)	Breeding population	(b)	Production population	
25	(c)	Base population	(d)	None of the above	
88.	Whia	h of the fell	200.2000		
004	(a)	h of the following variation in natu Site to site	ıral sta		
	(c)	Within stand	(b)	Within site	
	30.73		(d)	Within tree	
89.	When the best trees are felled / cut, leaving the inferior ones to produce the next generation is known as				
	(a)	Dysgenic selection	(b)	Eye-ball selection	
	(c)	Recurrent selection	(d)	Disruptive selection	
			V 10000 100		
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90.	India'	s forest and tree cover as percentag	ge of g	geographical area is	
	(a)	20 – 21 %	(b)	21 – 22 %	
	(c)	22 – 23 %	(d)	23 – 24 %	
01	Å = ==	er classification of forests by Cham	nion a	and Seth. India has	
91.			(b)	15 forest types	
	(a)	14 forest types	(d)	17 forest types	
	(c)	16 forest types	(4)	17 Totals types	
92.	Carbo	on sequestration ability is more in			
	(a)	Exotic species	(b)	Fast growing species	
	(c)	Native species	(d)	Tropical species	
93.	In th	e approach paper of 10 th Five)	ear I	Plan, a monitorable target has been fixed to	
73.	incre	ase India's forest and tree cover by	2007	to	
80	(a)	25 %	(b)	26 %	
	(c)	27 %	(d)	28 %	
	2 5				
94.	India	s forests contribute how much per	rcent (of GDP of the country?	
	(a)	5 %	(b)	3 %	
	(c)	1 – 1.5 %	(d)	< 0.5 %	
		C 1 Farret (analym day	noity >	> 40%) as percent of geographical area of the	
95.			isity >	4070) as percent of geograpment and as	
		atry is	(b)	8 – 10 %	
	(a)	12 – 13 % 6 – 8 %	(d)	4-6%	
	(c)	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	X		
96.	The	average productivity of India's for			
	(a)	1.5 m ³ /ha/year	(b)	\$0000000 0 00000000 6 00	
	(c)	2.5 m ³ /ha/year	(d)	3.5 m ³ /ha/year	
97.	Fore	est extension involves			
	(a)	Transfer of plantation technology	y (b)		
		Popularizing tree plantation	(d)	All of these	
98.	Exte	ension forestry is important as	33		
70.	(a)	There are no funds for planting t	rees		
	(b)	There is more scope of planting	trees (outside forest area	
	(c)	There is no manpower for planti	ng tre	es	
	(d)	None of the above			
99.	Λc	ner National Forest Policy of 1988	the p	rimary goal of Forest Management is	
フブ・	(a)	to meet the requirements of loca	l peon	ole	
	(b)			α.	
	(c)		icts fo	r industry	
	(d)	conservation of natural environr	nent		
NF.				BAC-	4(
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100.	In a	tropical moist deciduous forest wh	ich is	a shade demanding species?	
	(a)	Bombax ceiba	(b)	Toona ciliata	
iii	(c)	Dalbergia latifolia	(d)	Syzygium cumini	
101.	Whi	ich of the following tree species is f	rost h	ardy?	
	(a)	Adina cordifolia	(b)	Acacia catechu	
	(c)	Gmelina arborea	(d)	Tectona grandis	
102.	The	ultimate ability to withstand drough	ht dep	ends on	
	(a)	leaf area			
	(b)	number of stomata			
	(c)	thickness of cutin			35
	(d)	resistance of protoplasm to dehyd	ration		
103.	Con	npared to northern aspect, intensity	of ligh	at on southern aspect is	
	(a)	1.6 to 2.3 times higher	(b)		
	(c)	1.6 to 2.3 times lower	(d)	2.4 to 3.5 times lower	
104.		particles belonging to soil group 'si	ilt' ha		
	(a)	< 0.002 mm	(b)	0.002 to 0.02 mm	
	(c)	0.02 to 0.2 mm	(d)	0.2 to 2.0 mm	
105.	Whi	ch tree species is to be selected for	plantii	ng of a site with soil pH < 9?	
	(a)	Azadirachta indica	(b)	Pongamia pinnata	
	(c)	Prosopis juliflora	(d)	All of these	
106.	A nl	ant whose normal habitat is neither	Vory	vet nor very dry belongs to the group	
100.	(a)	Mesophyte	(b)	Xerophyte	
	(c)	Hygrophyte	(d)	Hydrophyte	
	(0)	Tijgrophijie	(u)	Trydrophtyte	
107.	Whi	ch of the following is a climber?			
	(a)	Morus laevigata	(b)	Bauhinia vahlii	
	(c)	Santalum album	(d)	Eupatorium odoratum	
108.	Whic	ch of the following is not a topograp	phical	factor ?	
	(a)	Slope	(b)	Altitude	
	(c)	Rainfall	(d)	Aspect	
109.	Etiol	ation is caused in plants because of			
	(a)	Excess light	(b)	Moderate light	
	(c)	Lesser light	(d)	No light	
110	a) (50)	•	1 0		
110.		ch of these is the most important fac			
	(a)	Physiographic	(b)	Biotic	
	(c)	Climatic	(d)	Edaphic	
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	(d) Re	generated from self sown seeds		·
		generated from coppice shoots generated from self sown seeds		
		generated from advance growth	ì	
	5.78 i	generated from seed sown artifi		
120		a low forest?		
	3.400.00		10103	uu ee
39		rthern tropical semi-evergreen		ts
		stern submontane semi-evergre issa tropical semi-evergreen for		
		char tropical semi-evergreen fo		rests
119.	What sub	otype the code 2B/C3 denotes?	masts.	
		100	(d)	$\left(\frac{\mathbf{g}}{4}\right)^2 \times 1$
	(c) I=	Tv SE G	g. 2000	
	(a) \overline{T} +	10	(0)	$Q = \frac{P \times 100}{(M+m)(M-m)}$
		2 <u>P</u> 10	(b)	$O = \frac{P \times 100}{2.5 \times 100}$
118.	Emberger	r's formula for bioclimatic type	is	
	(c) 30%	% <u>4</u> 5	(d)	80%
	(a) 60%		(b)	20%
		er in Orissa.		
117.	The north	hern tropical moist deciduous	fores	ets accounts for percent of the total
		phic climax	(d)	Primary sere
110.		amps	(b)	Secondary sere
116	In the class	ssification of forest types 2S de	notes	
	(c) 8		(d)	5
,	(a) 4	Total and the second second of the second se	(b)	
115.	320 %	y temperature zones have been	recog	nized in India?
	, ,	tt–Davy	(d)	Swain and Gaussen
117.		impion and Seth	(b)	Brandis
114	\	lassification of forest types of In	51 (51)	
	10 OCT 10 OCT 15 OCT		(d)	Picea smithiana
115.		economic species of the montar us roxburghii	(b)	Cedrus deodarda
112				
	(a) Que (c) Short		(b) (d)	Pines Alnus
112.		ave mainly tree species		Dinos
	8 121			Deciduous forest
	, ,			Semi-moist forest
111.	Forest occ	urring in areas having a mean a	ınnual	rainfall of over 2500 mm is called

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