

YBC-15277

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(Contd.)

## B.Sc. Part-II (Semester-III) Examination APICULTURE

(Entomology and Bee Pathology)

Time	Time: Three Hours] [Maximum Marks: 80									
Note: ALL questions are compulsory and Question Nos. 2 to 7 carry equal marks.										
1.	(A) Fill in the blanks:									
		(a)	Ascosphaera apis is a disease that attacks the gut of the larva.							
		(b)	Apis florea belongs to order							
		(c)	Wax glands are located on in honey bee.							
		(d) Lizard is of honey bee.								
	(B) Choose correct option:									
		(a)	Multiple parallel combs are build by:							
			(i) Apis cerana (ii) Apis dorsata							
			(iii) Apis florea (iv) Trigona							
		(b) The stinz apparatus in honey bee is modified:								
			(i) Oviduct (ii) Ovipositor							
			(iii) Ovary (iv) Ovisector							
	(c) In honey bee 'bee dance' is a means of:									
			(i) Locomotion (ii) Recreation							
			(iii) Communication (iv) Relation							
	(d) 90% population in bee hive is of caste:									
			(i) Queen (ii) Drone							
			(iii) Worker (iv) Larvae							
	(C) Answer in ONE sentence each:									
		(a)	What is the function of drone bee ?							
		(b)	Name two predators of honey bee.							
		(c) How do the honey bees communicate?								
	(d) What is the food of honey bee?									
2.	Des	cribe	e beneficial insects to man and describe bees' relation to human culture.	12						
OR										
Give classification of honey bee in detail and explain solitary and social bees with										
example.										

5.	Expl	fffrankoris choice	www.FirstRanker.com	www.FirstRaı	nker.com				
	(a)	Genera of bees.			4				
	(b)	Identification of Apis do		4					
	(c)	Queen bee of Apis indic		4					
		OR							
	(d)	Division of labour in be	ee hive.		4				
	(e)	General organization of		4					
	(f)	Identification of Apis mellifera.							
	Desc	Describe the following:							
	(g)	Antennae of honey bee.		4					
	(h)	Metamorphosis of queen		4					
	(i)	Respiratory system of h		4					
			OR						
	(j)	Eyes of honey bee.		4					
	(k)	Circulatory system of h		4					
	(l)	Digestive system of hor	ney bee.		4				
5.	Des	Describe significance of temperature and humidity in bee hive.							
			OR						
	Des	Describe communication behavioral relation in honey bees and bee dance.							
6.	Exp								
7	(m)	Effect of poisonous pol		4					
	(n)	American foul brood di		4					
	(0)	Ectoparasites in honey	bce.		4				
			OR						
	(p)	Viral infection of honey	y bee.		4				
	(q)	Lethal effects of chemi	cals on honey bees.		4				
	(r)	Classification of bee di	scases.	£ + £	4				
	Des	Describe the following:							
	(s)	Birds as enemies of ho	ney bec.		4				
	(t)	Control of wasp in Api	iary.		4				
	(u)	Insect predators in Api	ary (any two).		4				
		OR							
	(v)	Lizard as enemies of A	5) D		4				
	(w)	Methods of queen bee		0 20	4				
	(x)	Control of bee mites it	n Apiary.		4				

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