Roll No.

41212

B. Sc. (Pass Course) 4th Semester Examination – May, 2019

BOTANY - II)PLANT EMBRYOLOGY)

Paper: BOT. 4.2

Time: Three hours] [Maximum Marks : 40 Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt five questions in all, selecting one question from each Unit. Question No. 1 is compulsory.

- 1. (a) What is Precocious germination of pollen grain? 1
 - (b) Define Palynology.
 - (c) Define Heterostyly.
 - (d) What is Herkogamy?
 - (e) What is an Ovule?

https://www.haryanapapers.com

P. T. O.

1

1

1

https://www.haryanapapers.com

- 4	4	~	_
л	. 1		

(f)	Where in flower ovules are located?		
(g)	What	is an Albuminous Seed?	٠
(h)	What	is Eucarp?	

UNIT-I

2	Evolain that	Flower is a	modified shoot.	8

- 3. (a) Describe the internal structure of a mature Anther.
 - (b) Give a diagram showing different layers of Pollen Wall.

https://www.haryanapapers.com

UNIT - II

- 4. What is Pollination? Describe their types with importance in Evolution. What promotes Cross Pollination?
- the process of Male Gametophyte 5. Describe development.

UNIT -- III

6. Describe different types of Embryo Sacs. 8

(2)

What is double fertilization? Give its important Answer with relevant diagrams.

UNIT - IV

- 8. Define a Zygote. How is it converted in Embryo?
- 9. What is a Fruit ? Describe its describe.

https://www.haryanapapers.com