DR. KANAILAL BHATTACHARYYA COLLEGE

SEMESTER – II (UNDER CBCS)

INTERNAL ASSESSMENT – 2022

BOTANY – HONOURS

BOT-A-CC- 3

PLANT ANATOMY

DATE: 20 – 06 - 2022

F.M – 10 **Time: 1P.M – 2P.M**

Answer the following questions (any ten) **1X10**

a. What do you mean by anomalous secondary growth?

b. Write down important chemical compositions of plant cell wall.

c. Differentiate between apoplast and symplast.

d. Explain Tunica – Corpus theory in few words only.

e. Distinguish between protostele and siphonostele.

f. What is plasmodesmata?

g. Write one adaptive anatomical features of Xerophytic plants.

h. Differentiate between monocot and dicot root.

i. What is Plastochron?

j. What is protophloem?

k. Differentiate between (one difference) dorsiventral and isobilateral leaves.

l. Draw a diagram of Paracytic type of stomata. Give an example.

m. What do you mean by quiescent centre?

n. What is heart wood?

o. Differentiated between (one difference) stomata and hydathodes.

Paper - CC 3

Dr. KANAILAL BHATTACHARYYA COLLEGE Class _____ (General / Honours / Part) _____ Roll No. _____ 20/06/22

Sub - BOTA
CU Roll No.:- 213413-11-0014
CU Registration No.:- 413-1211-0279-21

10

a) The cells which are present at the shoot tips or the root tips are called apical meristimatic cells. It has the ability or the power to divide.. The cells which are present between the mature cells are called as intercalary meristem.
The apical meristem & the intercalary meristem contributes to the

a) The cells which has lost its ability to divide are called as matured cell. When this mature cells gain its ability to divide it forms secondary meristamatic tissue. It contributes to the secondary growth of the plant which increases the girth of the plant. For example - ~~intercalary meristem~~ fassicular cambium, intra fasicular cambium and cork cambium.

when the growth occurs in an undefined manner which leads to the enormous increase in the grith or the secondary growth of the plant is called as anamalous secondary growth.

b) Plant cell wall is made up of -
Outer layer - Cellulose, Hemicellulose & pectin
Middle layer or Lamella - Calcium pectate
Inner layer - Pectose, Cellulose

c) Apoplast - The pathway which travels through the cell wall & the inter-cellular spaces are called apoplastic pathway.
It does not cross the cell membrane or inter cellular spaces.
The water travels here in a massive flow due to adhesive or cohesive forces. It does not passes through the water impervious suberin layer strip present at endodermis. It depends on gradient.

Symplast - The pathway which travels through the plasmodesmata, and inter-membrane spaces is called symplast pathway. It pass down the gradient. It helps in cytoplasmic streaming of the movement of the molecule.

The gap junction between the two cells through which it can passes molecule to the other cells, or can contact with the neighbouring cells is called plasmodesmatal connection.
e.g.- Sieve tube elements & companion cells are connected with other as plasmodesmata.

Adaptive anatomical features of Xerophytic plants —

i) Sunken stomata
ii) Thick layer of cuticle present to avoid water loss.

Dicots & monocot root difference —

Dicot	Monocot
i) 6-8 xylem present	i) Polyarch condition exists
ii) Secondary growth occurs	ii) No secondary growth occurs
iii) Pith is inconspicuous & small	iii) Pith is well-developed.

j) The phoelem which has formed first during the growth of the plant is called as protophoelem. 1/2

k) Dorsiventral	Isobilateral leaves
i) Adaxial & Abaxial surfaces have different stomata count.	i) Adaxial & Abaxial surfaces have same stomata count
ii) Mesophyll cells are divided into spongy parenchyma & palisade parenchyma 1	ii) Mesophyll cells are not divided as such.

m) Some cells does not divide after G_1 phase, and goes to the resting phase known as quiescent phase. Here, the cells are metabolically active, and only starts dividing when it is required by the body. The cells where the quiescent stages are present is known as quiescent centre or G_0 centre. 1

9 1/2

28/06/22

n) Heart wood are known as late wood or Autumn wood. Here the lignin deposition are high, due to which they have narrow lumen, It does not help in the conduction of the water due to the absence of xylary elements. They are dark in colour due to high lignin deposition. 1

DR. KANAILAL BHATTACHARYYA COLLEGE

SEMESTER- IV (UNDER CBCS)- 2022

BOTANY- HONOURS

INTERNAL ASSESSMENT

C.C.- 9 (ECONOMIC BOTANY)

DATE: 20.06.22 **TIME: 11 am-12 pm.**

FULL MARKS: 10

Answer any 10 of the followings: ***1x10 = 10***

1. State one importance of Cinchona.
2. Write one use of Wheat.
3. Write the Scientific name of Teak plant.
4. Write the name of any fibre yielding plant and state one use.
5. Name some byproducts of Sugarcane.
6. State the botanical name and family of Mustard.
7. Point out one health hazard happens while cosuming Tobacco.
8. Define Germplasm.
9. Name any 2 important spices and mention their scientific name.
10. Give the Scientific name and family of Tea.
11. Give a morphological character of *Digitalis.*
12. State any one morphological character of Cotton plant.
13. State one use of *Solanum tuberosum.*

Dr. KANAILAL BHATTACHARYYA COLLEGE Class ____ (General / Honours / Sem.) 4th sem Roll No. 20341311009

Name Chandrima Saha Subject Botany CC-9

Reg. No. – 413-1211-0264-20

1. One importance of ~~cinchona~~ CC-9 Cinchona —

Cinchona's bark is use for the medicinal purpose. From Cinchona's bark quinine medicine is made which used for the medicine of Malaria. 1½

2. One use of wheat

Wheat is mainly uses for making chapatis and also uses for making same breakfast food like bread, flakes etc. 2

4. Fibre yielding plant Name is — Jute (Corchorus Sp.)

uses – Jute is mainly use for making bagging materials. It is extensively used for gunny and making twine ropes etc. 4

5. Some byproducts of Sugarcane —

i) bageses
ii) molasses 2

6. Botanical Name of Mustard —

Brassica nigra : Brassica nigra 1½

Family – Brassicaceae.

7. One health Hazard of Tobacco.

While consuming Tabacco, 80-90% people are suffering from cancer disease like mouth cancer, lungs cancer etc.

10. Scientific name of Tea —

Camellia Sinensis

Family — Theaceae.

11. morphological character of Digitalis —

Digitalis is short lived biennial or perenial plant, 15-16 m high. Root is narrow, Stem also narrow, tap root system is present.

13. one use of Solanum tuberosum —

is a vegetable. Also it is used for making Snacks like Chips or fries etc. Juice of it uses for removing dark circle of eye.

9. Chili — Capcicum annuum

Long — Piper longume.

09

23/06/22

DR.KANAILAL BHATTACHARYYA COLLEGE

INTERNAL AND TUTORIAL EXAMINATION-2021

SEMESTER-II

EDUCATION HONOURS

CC-4 (PHILOSOPHICAL FOUNDATION OF EDUCATION),

DATE: 17/07/2021 TIME: 11:00 A.M.-11:30 A.M. FULL MARKS: 25

INTERNAL EXAMINATION- 10 MARKS

১) নিম্নলিখিত প্রশ্নগুলি উত্তর দাওঃ ২x৫ =১০

(ক) মূল্যবোধের দুটি বৈশিষ্ট্য লেখো।

(খ) আন্তর্জাতিক বিকাশের পথে যে কোনো দুটি প্রতিবন্ধকতা উল্লেখ করো।

(গ) প্রয়োগবাদের যে কোনো দুটি নীতি উল্লেখ করো।

(ঘ) প্রকৃতিবাদের যে কোনো দুটি নীতি উল্লেখ করো।

(ঙ) চিত্তবৃত্তি কী?

TUTORIAL EXAMINATION-15 MARKS

১) পাঠ্যসূচী থেকে তোমার নির্বাচিত প্রোজেক্ট ওয়ার্ক টি জমা করো। ১৫

English Version:

INTERNAL EXAMINATION- 10 MARKS

1) Answer the following Questions: 2x5=10

(a) Write two characteristics of Values.

(b) Mention any two obstacles in the way of International Understanding.

(c) Mention any two Principles of Pragmatism.

(d) Mention any two Principles of Naturalism.

(e) What is the function of Mind?

TUTORIAL EXAMINATION-15 MARKS

1) Submit your selected Project Work from the Syllabus. 15

Authenticated

Date 30/05/2023

(Dr. Kaustubh Lahiri)

Principal

Dr. Kanailal Bhattacharyya College

DR.KANAILAL BHATTACHARYYA COLLEGE

INTERNAL AND TUTORIAL EXAMINATION-2021

SEMESTER-IV

EDUCATION HONOURS

CC-8 (TECHNOLOGY IN EDUCATION),

DATE: 16/07/2021 TIME: 12:00 NOON.-12:30 P.M. FULL MARKS: 25

INTERNAL EXAMINATION- 10 MARKS

১) নিম্নলিখিত প্রশ্নগুলি উত্তর দাওঃ ২x৫=১০

(ক) মোবাইল লার্নিং-এর দুটি সুবিধা লেখো।

(খ) ই- লার্নিং কাকে বলে ?

(গ) তথ্য ও যোগাযোগ প্রযুক্তি ব্যবহারের নৈতিকতা কী ?

(ঘ) দলবদ্ধ শিক্ষণের দুটি সুবিধা লেখো।

(ঙ) শিক্ষাক্ষেত্রে কম্পিউটারের দুটি ব্যবহার উল্লেখ করো।

TUTORIAL EXAMINATION-15 MARKS

১) পাঠ্যসূচী থেকে তোমার নির্বাচিত প্রোজেক্ট ওয়ার্ক টি জমা করো। ১৫

English Version:

INTERNAL EXAMINATION- 10 MARKS

1) Answer the following Questions: 2x5=10

(a) Write two advantages of mobile learning.

(b) What is E-learning?

(c) What are the morality in using information and communication technology?

(d) Write two advantages of team teaching?

(e) Mention two uses of computer in education.

TUTORIAL EXAMINATION-15 MARKS

1) Submit your selected Project Work from the Syllabus. 15

Authenticated

30/05/2023

(Dr. Kaustubh Lahiri)

Principal

Dr. Kanailal Bhattacharyya College

DR.KANAILAL BHATTACHARYYA COLLEGE

INTERNAL AND TUTORIAL EXAMINATION-2021

SEMESTER-IV

EDUCATION HONOURS

CC-9 (CURRICULUM STUDIES),

DATE: 17/07/2021 TIME: 12:00 NOON.-12:30 P.M. FULL MARKS: 25

INTERNAL EXAMINATION- 10 MARKS

১) নিম্নলিখিত প্রশ্নগুলি উত্তর দাও: ২x৫=১০

(ক) অভিজ্ঞতা ভিত্তিক পাঠক্রম কাকে বলে?

(খ) কর্মকেন্দ্রিক পাঠক্রম কাকে বলে?

(গ) NCF,২০০৫ এর প্রধান দুটি বৈশিষ্ট্য লেখো।

(ঘ) পাঠক্রম সংস্কারে যে কোনো দুটি প্রতিবন্ধকতা উল্লেখ করো।

(ঙ) নিবিড় শিক্ষণের উদ্দেশ্যের দুটি গুরুত্ব লেখো।

TUTORIAL EXAMINATION-15 MARKS

১) পাঠ্যসূচী থেকে তোমার নির্বাচিত প্রোজেক্ট ওয়ার্ক টি জমা করো। ১৫

English Version:

INTERNAL EXAMINATION- 10 MARKS

1) Answer the following Questions: 2x5=10

(a) What is experienced centered curriculum?

(b) What is activity centered curriculum?

(c) Write two basic characteristics of NCF, 2005.

(d) Mention any two obstacles to curriculum reform.

(e) Write two importance of Instructional Objectives.

TUTORIAL EXAMINATION-15 MARKS

1) Submit your selected Project Work from the Syllabus. 15

Authenticated

30/09/2023

(Dr. Kaustubh Lahiri)

Principal

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DR.KANAILAL BHATTACHARYYA COLLEGE

INTERNAL EXAMINATION-2021

SEMESTER-IV

EDUCATION HONOURS

SEC-B1 (TEACHING SKILL),

DATE: 20/07/2021 TIME: 12:00 NOON.-12:30 P.M. FULL MARKS: 10

INTERNAL EXAMINATION- 10 MARKS

২x৫=১০

১) নিম্নলিখিত প্রশ্নগুলি উত্তর দাও:

(ক) কার্যকরী শিক্ষণে শিক্ষকের ভূমিকা কী?

(খ) উত্তম শিক্ষণের দুটি বৈশিষ্ট্য লেখো।

(গ) অনুশিক্ষণের দুটি বৈশিষ্ট্য লেখো।

(ঘ) শিক্ষন প্রদীপন বা শিক্ষা সহায়ক উপকরণ কী?

(ঙ) শিখন নকশার দুটি গুরুত্ব লেখো।

English Version:

INTERNAL EXAMINATION- 10 MARKS

2x5=10

1) Answer the following Questions:

(a) What is the role of teacher in effective teaching?

(b) Write two characteristics of good teaching.

(c) Write two characteristics of micro teaching.

(d) What is teaching aids?

(e) Write two importance of learning design.

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Dr.Kanailal Bhattacharyya College

Continuous Internal Evaluation (CIE)
Sem -1 Education Honours
CC-1(Intrduction to Education)
Date- 18.12.21
Time 12p.m.-1p.m.

নিম্ন লিখিত প্রশ্নগুলির উত্তর দাও- 2×5=10

1 শিক্ষা কাকে বলে?

2 ডেলরস কমিশনের অভিমতে শিক্ষার লক্ষ গুলি কী কী?

3 শিক্ষার দুটি সংস্থার নাম করে তাদের দুটি কাজ উল্লেখ কর।

4 পাঠ্যক্রম বলতে কী বোঝ?

5 শিশুকেনদ্রিক শিক্ষা কাকে বলে তার কয়েকটি প্রবক্তার নাম বল।

English Version 2×5=10

1.What is education?

2.What are the aims of education according to Dellor's Commission?

3.Name two agencies of education and mention two functions of them.

4 What is curriculum?

5.What is child centric education,name some of its proponents.

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DR. KANAILAL BHATTACHARYYA COLLEGE

CONTINUOUS INTERNAL EVALUATION(CIE)

SEMESTER – 1

EDUCATION HONOURS

CC – 2: History of Indian Education

DATE: 18.12.2021 TIME: (12P.M – 1P.M.)

১)নিম্নলিখিতপ্রশ্নগুলিরউত্তরদাও। (৫ x ২ =১০)

ক)শিক্ষারপরিমণ্ডলেশ্রীরামপুরত্রয়ীরপ্রধানঅবদানকিকি ?

খ)বৌদ্ধ যুগের শিক্ষার দুটি উদ্দেশ্য উল্লেখ করো।

গ) প্রাচ্চ - প্রাশ্চাত্র দ্বন্দ্ব কি?

ঘ) বুনিয়াদী শিক্ষা বলতে কি বোঝ।

ঙ) 1986 সালের জাতীয় শিক্ষানীতির প্রধান দুটি সুপারিশ লেখ।

1) Answer the following questions: **(5 x 2 = 10)**

a. What are the prime contributions of Sreerampore trio in the field of education? 2

b. Mention two aims of education in Buddhistic period. 2

c. What is Oriental-occidental controversy? 2

d. What do you mean by Basic education? 2

e. Write two major recommendations of National Policy on Education, 1986. 2

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Dr. Kanailal Bhattacharyya College

Dr. Kanailal Bhattacharyya College

Attendance Register for the Session-2021-2022

Class: Education(HONOURS) SEM-VI

sub: DSE-A (Population Education)

Dr. Kanailal Bhattacharyya College

Class: EDUCATION (HONS) SEM-VI

sub:DSE-A (Population Education)

SL.	Name	Roll	DATE																						
			TKD 24/03	CA2 24/3	TKD 24/03	TKD 29/03	CA2 31/3	RJ 02-04	RJ 02.04	TKD 04/04	DK 05/04	TKD 07/04	TKD	DK 12/4	TKD 26/04	RJ									
1	Parmita Bera	1	1	2	3	.	-	.	.	.	.	.	3	.	.	9									
2	Priya Adak	19	-		.	.		.	.	-	.	.	.	.	.										
3	Pollabi Thander	22	.	.	.	1		.	.	2	.	3	4	.	.										
4	Piya Bachar	32	1	2	.	.		.	.	.	.	3	4	.	.										
5	Madhumita Gayen	63	1	2	.	3	4	.	=	5	.	6	7	.	.										
6	Farhin Kazi	68		.	.	.		.	.	.		.	.	.	.										
7	Dipika Pan	69	1	2	.	.		.	.	.	.	3	4	.	.										
8	Amena Khatun	76	.	1	.	.		.	.	.	.	.	.	.	.										
9	Sampa Bej	77	-	.	.	.		-	.	.	.	.	.	.	.										
10	Nilufa Khatun	82	.	-	-	.		-	1	.	.	.	.	.	.										
11	Supriya Hembram	90	.	.	.	.		.	.	.	.	/	.	.	.										
12	Priya Das	95	.	2	.	3	4	.	.	.	.	.	5	.	.										
13	Payodhi Sinha	100	.	.		.		.	.	.	.	.	.	.	.										
14	Alisha Khatun	101	.	.		.		.		.	.	.	.	.	.										
15	Ankita Ghosh	110	.	2		.		.	.	.	.	.	.	.	.										
16	Anamika Das	133	1	2		.		.	.	.	.	3	4	.	.										
17	Moumi Adhikary	144	.		.	.		.	.	.	.	.	.	.	.										
18	Riya Ghosh	149			.	.		.	.	1	.	2	3	.	.										
19	Aratrika Bose	153	.			.		.	.	.	.	.	.	.	.										
20	Payel Sadhukhan	154	1	2	3	4	5		6	7	.	8	9	.	.	10									
21	Sneha Mondal	165	.	2	.	.		.	.	.	.	.	.	.	.										
22	Protim Pramanick	170	.		.	.		.	.	.	.	.	.	.	.										
23	Sanjoy Rui Das	174	1	2	.	.	3	.	.	.	4	.	.	5	6										
24	Debonisha Das	184	.		.	.		.	.	.	.	.	.	.	.										
25	Minhajul Bhandary	193	1	2	.	.		.	.	-	.	3	4	.	.										
26	Sneha Das	202	.		1	2	3	.	.	.	.	.	.	4	.										
27	Sadhana Bag	211	1	2	3	4	5	6	7	8	.	9	10	.	.	11									
28	Poushali Ghosh	223	1	2	.	.		.	.	.	.	.	3	4	5										

												09/05 TKD	09/05 TKD	JK 12/4	TKD 28/04	AJ 29.04								
29	Arifa Nasrin	238	.	.	.	.	.	.	.			.	.	.	.									
30	Susmita Polley	282	.	.	1	2	.	.				.	.	.	.	3								
31	Tuhina Khatun	286	.	2	.	.	.	.				.	.	.	.									
32	Riya Kar	355	.		.	.	.	.				.	.	.	.									
33	Prity Pakur	445	1	2	.	.	.	.				3	4	.	.	5								
34	Rikta Das	456	.	2	.	.	.	.				.	.	.	.									
35	Afiya Wasima	459	1	2	3	4	.	.				.	.	.	.	5								
36	Purabi Karmakar	541	.		.		.	.				1	2	.	.									
37	Tulika Ghoshal	555	1	2	3	4	.	.				.	5	.	.	6								
38	Souvik Das	560	.		1	.	.	2				.	3	4	.									
39	Mouli Ghosh	561	.	2	.	.	.	.				.	.	.	.									
40	Antara Tewari	569	.		.		.	.				.	.	.	.									
41	Sanjib Ghorui	573	1	2	.	.	.	3				.	4	5	6	7								
42	Mandira Mal	574	.		1		.	.				.	.	.	1									
43	Puja Santra	617	.		.	.	.	.				.	.	.	.									
44	Anamika Paul	624	.	2	.	.	.	.				.	.	.	.									

Dr. Kanailal Bhattacharyya College

Attendance Register for the Session-2021-2022

Class: Education(HONOURS) SEM-VI

sub: Phychology Of Adjustment

Dr. Kanailal Bhattacharyya College

Class: EDUCATION (HONS) SEM-VI

sub: CC-13 (Psychology of Adjustment)

SL.	Name	Roll	DATE																									
										25/3 Bus	28/3 Bus	25-03 RJ	28-03 RJ	31-03 RJ	04-04 RJ	07-04 RJ	8/4 Bus	8/4 Bus	8/4 Bus	8/4 RJ	18/04 RJ	22/4 Bus	25/4 Bus	27/4 Bus			
1	Parmita Bera	1								P	P	P	.			P	P	P	P			P	P				
2	Priya Adak	19								.	.	.	.		.													
3	Pollabi Thander	22								P	P	P	.		P	P	P	P	P			P	P	P				
4	Piya Bachar	32								P	P	.	.		.							P	P					
5	Madhumita Gayen	63								P	P	P	.		P	P						P	P					
6	Farhin Kazi	68								.	.	.	.		.													
7	Dipika Pan	69								P	P	.	.		.													
8	Amena Khatun	76								P	P	P	.		.													
9	Sampa Bej	77								.	.	.	.				P	P										
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