



Syllabus

For B.Sc 3rd Semester Courses in

Botany

(June 2020 onwards)

- Contents:
- Theory Syllabus for Courses:
 - SBOT0301 – Algae and Fungi
 - SBOT0302 – Photosynthesis and Respiration
 - SBOT0303 – Anatomy and Embryology

- Practical Course Syllabus for: SBOT03PR
- Evaluation and Assessment guidelines.

S.Y. B.Sc. Botany
Course Title: ALGAE AND FUNGI

Course code: SBOT0301

Learning Objectives:

1. To understand the importance of bacteria and their culture methods..
2. To learn and understand the causal organisms of plant diseases and their mode of infection.
3. To master the life cycles of the individuals belonging to algae, fungi and lichens.

Number of lectures: 45

Unit 1 **(15 lectures)**
Microbiology

Basics principles of staining, culture media preparation, pure culture methods, classification of bacteria based on modes of nutrition, biofertilizers and methods of application; bacteria in sulphur cycle, bacteria in phosphate solubilization.

Unit 2 **(15 lectures)**
Algae and Lichens

Algae: Structure, life cycle and systematic position of *Vaucheria*, *Sargassum*, *Batrachospermum*.
Lichens - classification, structure, method of reproduction and ecological significance.

Unit 3 **(15 lectures)**
Fungi and Plant Pathology

Fungi- Structure, life cycle and systematic position of *Puccinia* and *Phytophthora*. Diseases, symptoms, disease cycle and control measures of rust of wheat and late blight of potato.

List of Recommended Reference Books

1. Powar, C. B.; Daginawala, H. F.; General microbiology; vol. I-II; 2nd edition, reprint; Bombay: Himalaya Publishing House, 1986 (1993)
 2. Smith, Gilbert M; Cryptogamic Botany Algae & Fungi Volume 1; 2nd edition; McGraw-hill book Comp. Tokyo, 1955..
 3. Vasishtha B.R. And A. K. Sinha- Botany for degree students Part 1 ALGAE; S. Chand & Company Ltd, 1st edition, revised 2005.
 4. Vasishtha B.R. And A. K. Sinha- Botany for degree students: FUNGI; S. Chand & Company Ltd, 1st edition, revised 2005.
 5. Dutta, A.C.; A Classbook of Botany; 15th edition; Calcutta: Oxford University Press, 1976.
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Practical: SBOTPR0301

- I) Sterilization techniques, preparation of nutrient agar, Preparation of slants and plates, Study of streak plate method. Gram staining of bacteria.
- II) Effect of plant extract (Turmeric / Garlic) on microbial growth by agar diffusion method.
- III) Study of stages in the life cycle of *Vaucheria*, *Sargassum*, *Batrachospermum* and diatoms.
- IV) Study of vegetative and reproductive structures of crustose, foliose and fruticose lichens.
- V) Study of diseases, (a) rust of wheat (*Puccinia*) (b) late blight of potato (*Phytophthora*).

S.Y. B.Sc. Botany

Course code: SBOT0302

Course Title: PHOTOSYNTHESIS AND RESPIRATION

Learning Objectives:

1. To understand the catabolic and anabolic process and synthesis of chemical energy in plants.
2. To differentiate between light and dark reactions of photosynthesis.
3. To compare the C₃, C₄ and CAM plants, and realize the importance of mineral nutrition.

Number of lectures: 45

Unit 1

(15 lectures)

Respiration

Respiratory substrates, nature of biological oxidation, glycolysis, oxidative pentose phosphate pathway, anaerobic respiration, TCA cycle, respiratory chain, significance of ATP.

Unit 2

(15 lectures)

Photosynthesis

Efficiency of plants in converting radiant energy and matter, light reaction of photosynthesis, chloroplast as the unit of photosynthesis, reaction scheme for ATP and NADPH formation, role of ATP and NADPH in CO₂ fixation, path of carbon in photosynthesis – C₃, C₄ and CAM, factors influencing photosynthesis.

Unit 3

(15 lectures)

Photorespiration and Mineral Nutrition

Photorespiration: biochemistry of photorespiration in C₃ and C₄ plants. Mineral nutrition: autotrophs and heterotrophs, essential elements, criteria of essentiality of elements, nutritional disorders of plants, sources of nutrients, mycorrhiza in plant mineral nutrition.

List of Recommended Reference Books

1. Noggle, Ray G.; Fritz, George J.; Introductory plant physiology; 2nd edition; New Delhi : Prentice-Hall Of India Private Limited , 1991.
 2. Sinha, B. K.; Pandey, S. N.; Plant Physiology; 1st edition; New Delhi: Vikas Publishing House Pvt. Ltd., 1981.
 3. Salisbury, Frank B.; Ross, Cleon W.; Plant physiology; 3rd edition, Reprint; New Delhi: CBS Publishers & Distributors, 1986 (2001).
 4. Devlin, Robert M.; Witham, Francis H.; Plant Physiology; 4th edition, Indian reprint; Delhi: CBS Publishers & Distributors, 1986 (2001).
 5. Verma S. K. Textbook of Plant physiology and Biochemistry; 4th edition; S. Chand & Company Ltd, 2003.
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Practical: SBOTPR0302

- I) Estimation of Ca²⁺ and Mg²⁺ in plant sample.
- II) Estimation of phosphorous in plants.
- III) Estimation of total chlorophyll content.
- IV) Estimation of carotenoids from plant samples.
- V) Separation of photosynthetic pigments by TLC.
- VI) Study of Kranz anatomy.

S.Y. B.Sc. Botany

Course code: SBOT0303

Course Title: ANATOMY AND EMBRYOLOGY

Learning Objectives:

1. To differentiate between the normal and anomalous secondary growth, and various meristems.
2. To perceive the process of fertilization in Angiosperms.
3. To comprehend the pollen morphology and applications of palynology.

Number of lectures: 45

Unit 1

(15 lectures)

Anatomy

Normal secondary growth in dicotyledonous stem and root, anomalous secondary growth in the stems of *Bignonia*, *Salvadora*, *Achyranthes* and *Dracaena* and roots of Beet and Radish; root stem transition, study of apical, lateral and root meristems.

Unit 2

(15 lectures)

Embryology

Structure of microsporangium, microsporogenesis and development of male gametophyte, Structure of megasporangium, megasporogenesis, and development of female gametophyte, Double fertilization and its significance, Development of embryo – dicotyledonous– *Capsella* type.

Unit 3

(15 lectures)

Palynology

Pollen and spore morphology- size and shape, polarity, apertures, exine stratification, construction of palynogram.; Application of palynology in honey industry, coal and oil exploration, forensic sciences, pollen allergy.

List of Recommended Reference Books

1. Eames, Arthur J.; MacDaniels, Laurence H.; An introduction to plant anatomy; 2nd edition. Reprint; New Delhi: Tata Mcgraw-Hill Publishing Company Limited, (1978, 2004)
 2. Esau, Katherine; Anatomy of seed plants; 2nd edition; New York: John Wiley & Sons, 1977.
 3. Gangulee, Das, and Dutta – College Botany Vol I.
 4. Fahn, A; Plant anatomy; 4th edition. Indian reprint; New Delhi: Aditya Books (P) Ltd., 1990(1997)
 5. Maheshwari, P.; Introduction to the embryology of angiosperms; 2nd edition, reprint; New Delhi: Tata Mcgraw-Hill Publishing Company Limited, 1971.
 6. Bhojwani, S.S.; Bhatnagar, S.P.; The embryology of angiosperms; revised edition; Delhi : Vikas Publishing House Pvt. Ltd. , 1996.
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Practical: SBOTPR0303

- I) Study of normal secondary growth in sunflower stem and root.

- II) Study of anomalous secondary growth in the stems of *Bignonia*, *Salvedora*, *Achyranthus*, *Dracaena*, roots of beet and radish by double staining technique.
- III) Study of apical, lateral and root meristem, stages of microsporogenesis, megasporogenesis and embryo development with the help of permanent slides / photomicrographs.
- IV) Study of pollen morphology of *Hibiscus*, *Canna*, *Pancreatium* and *Ocimum*.
- V) Pollen analysis from honey sample: unifloral and multifloral honey.

Evaluation and Assessment: SBOT0301, SBOT0302 and SBOT0303 courses

Evaluation (Theory): Total marks per course - 100.

CIA- 40 marks

CIA 1: Written test -20 marks

CIA 2: Written Test / Assignment / Presentation / Field Trip & Report -20 marks

End Semester Examination – 60 marks

One question from each unit for 20 marks, with internal choice. Total marks per question with choice -28 to 30.

Evaluation of SBOT3PR (Practical) Total marks per Practical course - 150.

End Semester Practical Examination – (SBOTPR0301- 50 marks, SBOTPR0302- 50 marks, SBOTPR0303- 50 marks)

Template for SBOT0301 Course End Semester Examination in Semester 3

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	08	08	04	20
2	12	04	04	20
3	10	06	04	20
-TOTAL - Per objective	30	18	12	60
% WEIGHTAGE	50	30	20	100%

Template for SBOT0302 Course End Semester Examination in Semester 3

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	08	06	06	20
2	08	06	06	20
3	08	06	06	20
-TOTAL - Per objective	24	18	18	60
% WEIGHTAGE	40	30	30	100%

Template for SBOT0303 Course End Semester Examination in Semester 3

UNITS	KNOWLEDGE	UNDERSTANDING	APPLICATION and ANALYSES	TOTAL MARKS- Per unit
1	12	08	0	20
2	12	08	0	20
3	12	04	04	20
-TOTAL - Per objective	36	20	04	60
% WEIGHTAGE	60	33.33	6.66	100%

St. Xavier's College, Mumbai.
ASSESSMENT OF WRITTEN ASSIGNMENT- TYPE - I

Dept. of Botany; Course Code _____ Date _____ Roll No _____

Name of student: _____ UIDNo _____ Marks _____ / 20

Title of Assignment: _____

Assessment Grid : Place one tick in each appropriate row. Overall mark should reflect the positions of ticks in the individual rows. In boxes that have more than one set of marks, cancel out the marks that are not applicable and circle the correct marks.

Assessment of Written Assignment: 20 Marks

100%	ASSIGNMENT	80-100% (17-20 Marks)	60-80% (13-16 Marks)	40- 60% (9-12 Marks)	20-40% (5-8 Marks)	0-20% (0-4 Marks)
60 % 12	Content Impression of wide reading (research), good knowledge and comprehensive understanding. Evidence of thoughtful input. Ability to critique, Bibliography mentioned ----- Marks -----	Excellent 12 / 11 / 10	Good 9 / 8	Satisfactory 7 / 6	Poor 5 / 4	Very Poor 3 / 2 / 1
30 % 06	Organization Effective presentation, logical format, clear statement of ideas, relevant details, sequence of information and ideas could be easily followed, references / footnotes / endnotes ----- Marks -----	Effective organization 6	Few problems 5	Many problems 4	Inadequate presentation. Ineffective format, communication of ideas, lack of relevant details – but an attempt 3	No attempt to organize 2
5% 01	Vocabulary ----- Marks -----	Richness of vocabulary 1	Very good range of vocabulary with some errors 1	Good range of vocabulary with some errors 0.5	Small range of vocabulary with errors 0.5	Little of no effort to demonstrate vocabulary knowledge 0
5% 01	Grammar, spellings, mechanics ----- Marks -----	Grammar, spellings punctuations correct 1	Very few errors 1	Some errors 0.5	Many errors 0.5	No effort 0

Comments:

Name and Signature of Faculty _____.

St. Xavier's College, Mumbai.
ASSESSMENT OF WRITTEN ASSIGNMENT- TYPE - II

Dept. of Botany; Course Code _____ Date _____ Roll No _____

Name of student: _____ UIDNo _____ Marks _____ / 20

Title of Assignment: _____

Assessment Grid : Place one tick in each appropriate row. Overall mark should reflect the positions of ticks in the individual rows. In boxes that have more than one set of marks, cancel out the marks that are not applicable and circle the correct marks.

Assessment of Written Assignment: 20 Marks

100%	ASSIGNMENT	80-100% (17-20 Marks)	60-80% (13-16 Marks)	40- 60% (9-12 Marks)	20-40% (5-8 Marks)	0-20% (0-4 Marks)
50 % 10	Content Impression of wide reading (research), good knowledge and comprehensive understanding. Evidence of thoughtful input. Ability to critique, Bibliography mentioned ----- Marks -----	Excellent 10 / 9	Good 8 / 7	Satisfactory 6 / 5	Poor 4 / 3	Very Poor 2 / 1
30 % 06	Organization Effective presentation, logical format, clear statement of ideas, relevant details, sequence of information and ideas could be easily followed, references / footnotes / endnotes ----- Marks -----	Effective organization 6 / 5	Few problems 4	Many problems 3	Inadequate presentation. Ineffective format, communication of ideas, lack of relevant details – but an attempt 2	No attempt to organize 1
10% 02	Vocabulary ----- Marks -----	Richness of vocabulary 2	Very good range of vocabulary with some errors 1.5	Good range of vocabulary with some errors 1	Small range of vocabulary with errors 1	Little of no effort to demonstrate vocabulary knowledge 0.5
10% 02	Grammar, spellings, mechanics ----- Marks -----	Grammar, spellings punctuations correct 2	Very few errors 1.5	Some errors 1	Many errors 1	No effort 0.5

Comments:

Name and Signature of Faculty _____.

St. Xavier's College, Mumbai.
ASSESSMENT OF BOTANY FIELD TRIP REPORT

Dept. of Botany; Course Code _____ Date _____ Roll No _____

Name of student: _____ UIDNo _____ Marks _____ / 20

Place of visit _____

Assessment Grid : Place one tick in each appropriate row. Overall mark should reflect the positions of ticks in the individual rows

(20)	Field Trip and Report	80-100% 17-20 Marks	60-80% 13-16 Marks	40-60% 09-12 Marks	20-40% 05-08 Marks	0-20% 0-04 Marks
30% (06)	Organization of report -----Marks----- -	Introduction about the location, vegetation, Botanical Names, Family, Local name, Description using Botanical Term, reporting all the species seen, Handwritten or typed. 6	Few mistakes, few species missing from the report 5	Many mistakes 4	Inadequate presentation, ineffective format, lack or relevant detail, but an attempt 3	No attempt to organize 2
50% (10)	Content -----Marks-----	Excellent reporting of all the species observed in the field, ecological and morphological data, 10 / 9	Good reporting, species observed in the field but few of them missing in the list 8	Satisfactory, many species or relevant data missing from the report 6	Poor, inadequate and insufficient data or just a list of the species without any data. 5	Very poor, no data 4 / 3
10% (02)	Conclusion -----Marks-----	Excellent conclusion based on self observation. Type of forest and vegetation 2	Good conclusion, comments not independent 2 / 1	Satisfactory, but insufficient 1 / 0.5	Poor, irrelevant conclusion 0.5	Very poor, no conclusion 0.5
5% (01)	References -----Marks----- -	Proper references, in required format 1	Proper references but no format 1	Few references 0.5	Irrelevant references 0	No references 0
5% (01)	Attendance / participation -----Marks----- -	Attended and participated actively 1	Attended and participated 1	Infrequent Participation 0.5	No participation 0	Absent 0

Comments:

Name and Signature of Faculty _____.

St. Xavier's College, Mumbai.

ASSESSMENT OF INDIVIDUAL ORAL PRESENTATION -A

Dept. of Botany; Course Code _____ Date _____ Roll No _____

Name of student: _____ UIDNo _____ Marks _____/ 20

Title of oral presentation: _____

Assessment Grid : Place one tick in each appropriate row. Overall mark should reflect the positions of ticks in the individual rows**Presentation: 30 % (06 marks)**

30%	PRESENTATION	80-100%	60-80%	40- 60%	20-40%	0-20%
10 %	Presentation skills	Varied rate of delivery, Changed pitch for emphasis, No distracting mannerisms ,good eye contact , Confident body language, Connected with audience	Good but a few weaknesses	Good but a few weaknesses with one pronounced weakness	Several Weaknesses	No speech variation, Distracting mannerisms, no eye contact, dull, and reading from notes/visual aids
2.0	----- Marks -----	2.0	1.5	1.0	1.0	0.5
10 %	Use of Visuals (Efforts to Aid Presentation)	Very good, relevant visuals, good font size/ image size, Appropriate number of words and images per slide, good colour schemes	Good but a few weaknesses	Good but a few weaknesses with one pronounced weakness	Several Weaknesses	Very poor visuals, visuals did not contribute to the presentation
2.0	----- Marks -----	2.0	1.5	1.0	1.0	0.5
5%	Timing and Pace of Talk	Right length and well paced	Right Length but too slow or too rushed	Long or short <i>and</i> too slow or too rushed	Too long <i>or</i> too short	Had to be stopped <i>or</i> less than 50% of the allocated time
01	----- Marks -----	1.0	0.5	0.5	0	0
5%	Audibility and Comprehensibility	Very clear and very precise	Clear, quite precise	Almost inaudible <i>and</i> difficult to understand	Almost inaudible <i>or</i> very difficult to understand	Inaudible <i>or</i> completely incomprehensible
01	----- Marks -----	1.0	1.0	0.5	0.5	0

Total marks for presentation: _____ out of 06 marks.

Content: 70% (14 Marks)

70%	CONTENT	80-100%	60-80%	40- 60%	20-40%	0-20%
35%	Knowledge and Understanding Innovation Impression of wide reading, good knowledge and complete understanding 07 ----- Marks -----	Excellent 7.0	Good 6.0 / 5.0	Satisfactory 4.0 / 3.0	Poor 2.0	Very Poor 1.0
10%	Structure of Presentation Logical Structure, Clear Introduction, Body and Relevant Conclusion, sequence of information and ideas could be easily followed , Citation of source material 02 ----- Marks -----	Excellent 2.0	Good 2.0	Satisfactory 1.0	Poor 0.5	Very Poor 0.5
5%	Key Points/ Themes Identified Key Points, Kept to the points throughout the presentation- did not wander 01 ----- Marks -----	Excellent 1.0	Good 1.0	Satisfactory 0.5	Poor 0.5	Very Poor 0
10%	Ability to answer Questions Answers accurate and full of confidence 02 ----- Marks -----	Excellent 2.0	Good 1.5	Satisfactory 1.0	Poor 0.5	Very Poor 0
10%	Creation of Interest/ Audience Participation Created interest in the topic 02 ----- Marks -----	Excellent 2.0	Good 1.5	Satisfactory 1.0	Poor 1.0	Very Poor 0.5

Total for content: _____ out of 14; Total marks for oral presentation: _____ out of **20**

Comments:

Name of the Faculty _____.

Signature of the Faculty _____

St. Xavier's College, Mumbai.

ASSESSMENT OF INDIVIDUAL ORAL PRESENTATION -B

Dept. of Botany; Course Code _____ Date _____ Roll No _____

Name of student: _____ UIDNo _____ Marks _____ / 20

Title of oral presentation: _____

Assessment Grid : Place one tick in each appropriate row. Overall mark should reflect the positions of ticks in the individual rows**Presentation: 40 % (8 marks)**

40%	PRESENTATION	80-100%	60-80%	40- 60%	20-40%	0-20%
15 %	Presentation skills	Varied rate of delivery, Changed pitch for emphasis, No distracting mannerisms ,good eye contact , Confident body language, Connected with audience	Good but a few weaknesses	Good but a few weaknesses with one pronounced weakness	Several Weaknesses	No speech variation, Distracting mannerisms, no eye contact, dull, and reading from notes/visual aids
03	----- Marks -----	3.0	2.5	2.0	1.5	1.0
15 %	Use of Visuals (Efforts to Aid Presentation)	Very good, relevant visuals, good font size/ image size, Appropriate number of words and images per slide, good colour schemes	Good but a few weaknesses	Good but a few weaknesses with one pronounced weakness	Several Weaknesses	Very poor visuals, visuals did not contribute to the presentation
03	----- Marks -----	3.0	2.5	2.0	1.5	1.0
5%	Timing and Pace of Talk	Right length and well paced	Right Length but too slow or too rushed	Long or short and too slow or too rushed	Too long or too short	Had to be stopped or less than 50% of the allocated time
01	----- Marks -----	1.0	1.0	0.5	0.5	0
5%	Audibility and Comprehensibility	Very clear and very precise	Clear, quite precise	Almost inaudible and difficult to understand	Almost inaudible or very difficult to understand	Inaudible or completely incomprehensible
01	----- Marks -----	1.0	1.0	0.5	0.5	0

Total marks for presentation: _____ out of 08 marks.

Content: 60% (12 Marks)

60%	CONTENT	80-100%	60-80%	40- 60%	20-40%	0-20%
25%	Knowledge and Understanding Innovation Impression of wide reading, good knowledge and complete understanding ----- Marks -----	Excellent	Good	Satisfactory	Poor	Very Poor
05		5.0	4.0	3.0	2.0	1.0
10%	Structure of Presentation Logical Structure, Clear Introduction, Body and Relevant Conclusion, sequence of information and ideas could be easily followed , Citation of source material ----- Marks -----	Excellent	Good	Satisfactory	Poor	Very Poor
02		2.0	1.5	1.0	0.5	0.5
5%	Key Points/ Themes Identified Key Points, Kept to the points through out the presentation- did not wander. ----- Marks -----	Excellent	Good	Satisfactory	Poor	Very Poor
01		1.0	1.0	0.5	0.5	0
10%	Ability to answer Questions Answers accurate and full of confidence ----- Marks -----	Excellent	Good	Satisfactory	Poor	Very Poor
02		2.0	1.5	1.0	0.5	0
10%	Creation of Interest/ Audience Participation Created interest in the topic. ----- Marks -----	Excellent	Good	Satisfactory	Poor	Very Poor
02		2.0	1.5	1.0	0.5	0

Total for content: _____ out of 12; Total marks for oral presentation: _____ out of **20**

Comments:

Name of the Faculty _____.

Signature of the Faculty _____

St. Xavier's College, Mumbai.

ASSESSMENT OF GROUP ORAL PRESENTATION -TYPE-I

Dept. of Botany; Course Code _____ Date _____

UIDNo _____ Roll No _____ Marks _____/20

Name of student: _____

Title of oral presentation: _____

Assessment Grid : Place one tick or circle appropriate mark in each appropriate row. Overall mark should reflect the positions of ticks/marks in the individual rows.

Individual Assessment: 40 % (08 marks)

40%	PRESENTATION	80-100%	60-80%	40- 60%	20-40%	0-20%
25 %	Presentation skills Clear enunciation, varied rate of delivery, Changed pitch for emphasis, No distracting mannerisms ,good eye contact , Confident body language, Connection with audience	Excellent	Good	Average	Poor	Very Poor
05	----- Marks -----	5.0	4.0	3.0	2.0	1.0 / 0
15 %	Ability to answer questions Clarity of thought and confidence	Excellent	Good	Satisfactory	Poor	Very Poor
03	----- Marks -----	3.0	2.0	1.0	1.0	0

Total marks for presentation: _____ out of 08 marks. Total for group assessment _____ out of 12 marks;

Comments:

Total marks for oral presentation: _____ out of 20

Name of the Faculty _____.

Signature of the Faculty _____

Group Assessment: 60% i.e. 12 marks

60%	CONTENT	80-100%	60-80%	40- 60%	20-40%	0-20%
40%	Knowledge and Understanding Impression of wide reading, presentation of facts/texts good knowledge understanding and critical assessment	Excellent	Good	Satisfactory	Poor	Very Poor
08	----- Marks -----	8.0 / 7.0	6.0	5.0	4.0 / 3.0	2.0 / 1.0
15%	(Content) Structure of Presentation Logical Structure, Clear Introduction, Body and Relevant Conclusion, sequence of information and ideas could be easily followed , Citation of source material Key Points/ Themes Identified Key Points and sustained Creation of Interest/ Audience Participation	Excellent	Good	Satisfactory	Poor	Very Poor
03	----- Marks -----	3.0	3.0	2.0	1.0	0
5%	Efforts to Aid Presentation Relevant visuals, good font/ image size, appropriate number of words per slide, good color scheme, Timing and pace of talk Right length and pace	Excellent,	Good	Satisfactory	Poor	Very Poor
01	----- Marks -----	1.0	1.0	0.5	0.5	0

Total for group assessment: _____ out of 12 marks;

Comments:

St. Xavier's College, Mumbai.

ASSESSMENT OF GROUP ORAL PRESENTATION -TYPE-II

Dept. of Botany; Course Code _____ Date _____

UIDNo _____ Roll No _____ Marks _____/20

Name of student: _____

Title of oral presentation: _____

Assessment Grid : Place one tick or circle appropriate mark in each appropriate row. Overall mark should reflect the positions of ticks/marks in the individual rows.

Presentation: 30 % (06 marks)

30%	PRESENTATION	80-100%	60-80%	40- 60%	20-40%	0-20%
15 %	Presentation skills Clear enunciation, varied rate of delivery, Changed pitch for emphasis, No distracting mannerisms, good eye contact, Confident body language, Connection with audience	Excellent	Good	Average	Poor	Very Poor
3.0	----- Marks -----	3.0	2.0	1.0	0.5	0.5 / 0
15 %	Ability to answer questions Clarity of thought and confidence	Excellent	Good	Satisfactory	Poor	Very Poor
3.0	----- Marks -----	3.0 / 2.0	2.0	1.0	1.0	0

Total marks for presentation: _____ out of 06 marks. Total for group assessment _____ out of 14 marks;

Comments:

Total marks for oral presentation: _____ out of **20**

Name of the Faculty _____.

Signature of the Faculty _____

Group Assessment: 70% i.e. 14 marks

70%	CONTENT	80-100%	60-80%	40- 60%	20-40%	0-20%
30%	Knowledge and Understanding Impression of wide reading, presentation of facts/texts good knowledge understanding and critical assessment	Excellent	Good	Satisfactory	Poor	Very Poor
06	----- Marks -----	6.0 / 5.0	4.0	3.0	2.0 / 1.0	1.0 / 0
25%	(Content) Structure of Presentation Logical Structure, Clear Introduction, Body and Relevant Conclusion, sequence of information and ideas could be easily followed , Citation of source material Key Points/ Themes Identified Key Points and sustained Creation of Interest/ Audience Participation	Excellent	Good	Satisfactory	Poor	Very Poor
05	----- Marks -----	5.0 / 4.0	4.0 / 3.0	2.0	1.0	0
15%	Efforts to Aid Presentation Relevant visuals, good font/ image size, appropriate number of words per slide, good color scheme, Timing and pace of talk Right length and pace	Excellent,	Good	Satisfactory	Poor	Very Poor
03	----- Marks -----	3.0	3.0	2.0	1.0	0

Total for group assessment: _____ out of 14 marks;

Comments: