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N5 National 5 Course Specification 

National 5 Biology

Course code	NAB175
Course assessment code	NAB175
Start	From the 2019 school year
Ends	Summer 2019-20

The course specification provides detailed information about the course and course objectives to which all courses and teachers must conform. It is intended for use by teachers and students and is the main reference for the course. It is not intended for use by students as a study guide.

The material in the syllabus and course is the mandatory information and is not optional for students.

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NALANDA OPEN UNIVERSITY
M.Sc. Zoology
PART-I, PAPER-VII
(Molecular Biology and Genetics)
Annual Examination, 2014

Time: 3 Hours.

Full Marks: 80

Answer five questions in all, selecting at least two questions from each Group.
 All Questions carry equal marks.

GROUP-A

1. Explain the history of molecular biology.
2. Give two classical experiments to demonstrate semi-conservative mode of DNA replication.
3. Describe the process and regulation export of m RNA.
4. Describe the promoter sites for initiation of transcription in prokaryotes.
5. Write short notes on any **Two** of the following:—
 - (a) TATA Box
 - (b) Enhancer Sites
 - (c) Theta configuration
 - (d) Template

GROUP-B

6. Describe mechanism of DNA repair.
7. Describe translation process in prokaryotes.
8. How will you show that the minimum size of a code word should be triplet?
9. Describe the recombination of protein in E.Coli.
10. Write short notes on any two of the following:
 - (a) RELF
 - (b) Libraries
 - (c) Gene conversion
 - (d) Teminism

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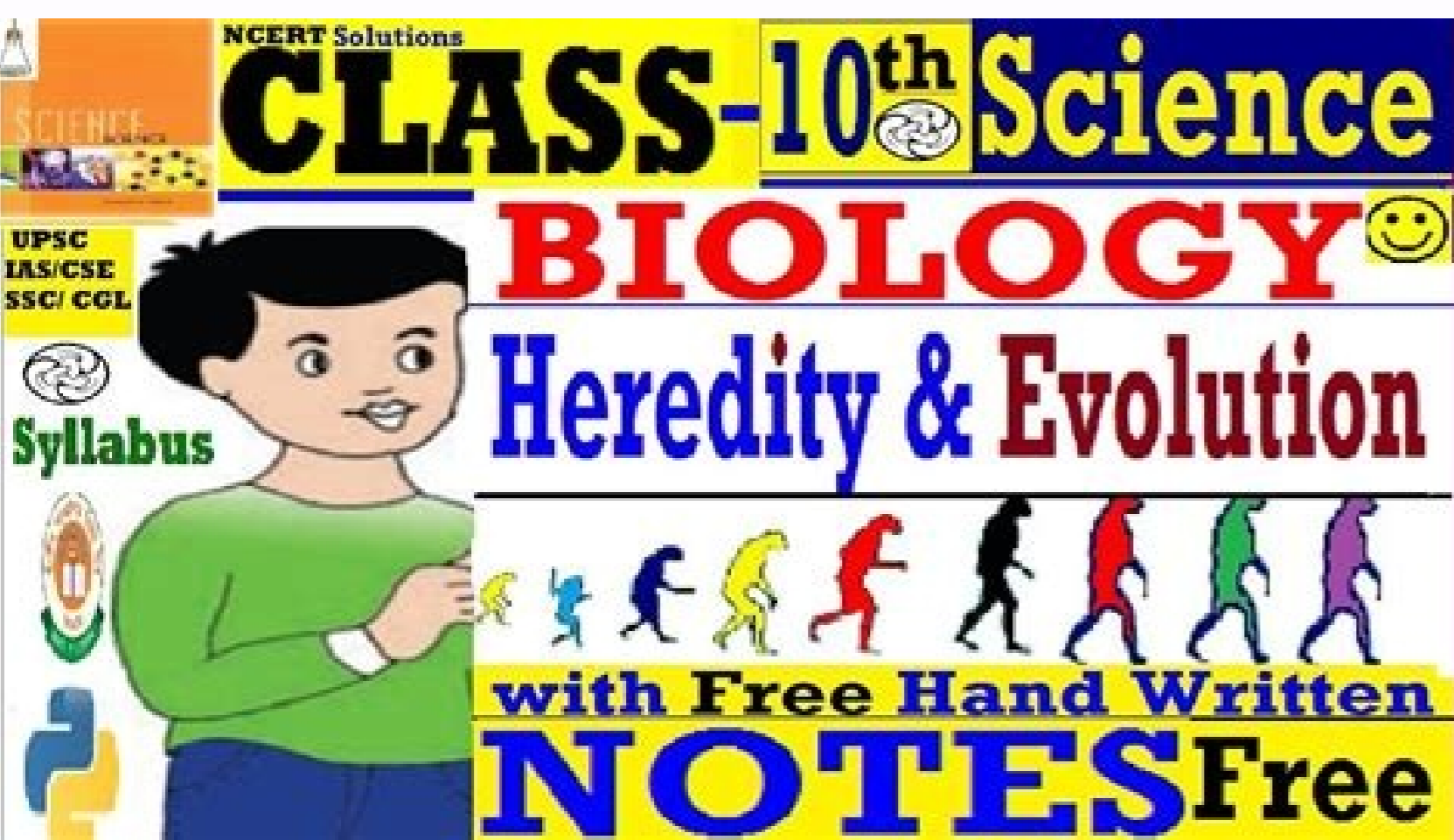
Each student is given 20-30 minutes to prepare and do the exam on the day of the exam. Students are examined individually. Remember the first 10-15 minutes is to be used for preparation. No writing is done in Paper 3.

1. Answer all the questions asked.
2. Be clear in your responses-use synonyms, etc. in your answers as much as possible.
3. Make sure you use the appropriate tenses in your reply.
4. Include idiomatic expressions in your answers as far as possible.
5. Ensure that if you are responding to a question and it naturally allows you to say why you have answered in a particular way. Explain BEFORE the examiner asks you to do so.
6. Ensure that you maintain a good conversation. It is good to ask the examiner one or two questions.
7. Don't let your answers seem like they are rehearsed. Be as natural as possible.
8. If you self-correct when giving an answer you will NOT be penalized.
9. Remember that a long answer will NOT be necessary in every case.
10. If you do not understand a question, you may ask the examiner to repeat it. *„Puede usted repetir, por favor?‟*
11. Remember you will get a mixture of easy and hard questions.
12. Remember that the examiner is just a teacher from another school. Do not be afraid of him/her.
13. You may use some of the following expressions in your answers:
 - a) En mi opinion
 - b) Es decir
 - c) Por desgracia
 - d) En primer lugar
 - e) Que yo sepa
 - f) En la actualidad
 - g) Por lo general

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