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**8332**

Register Number

Name of the Candidate:

**B.Ed. DEGREE EXAMINATION, May 2015**

**(FIRST YEAR)**

**507: INNOVATIONS, TRENDS AND APPROACHES IN  
TEACHING OF BOTANY-I**

(New Regulation/Old Regulation)

Time: Three hours

Maximum: Old Regulation-80 marks  
New Regulation-75 marks

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**SECTION-A**

**(10×2=20)**

**Answer ALL questions in about 70 words each**

1. What is the difference between scientific discovery and scientific inventions?
2. What are the values of teaching science?
3. Mention the defects in the existing school curriculum.
4. What are the advantages of the lecture method of teaching botany?
5. List six biologists and inventions.
6. Write the salient features of NCERT curriculum.
7. What are implication of Bruner's model?
8. State the stages of intellectual growth.
9. State the impact of botany of modern life.
10. What is the role of teacher in authoritarian classroom?

**SECTION-B**

**(5×5=25)**

**Answer any FIVE questions  
Each answer should not exceed 250 words**

11. Relate Gagne's eight types of learning towards botany learning.
12. Compare the merits and demerits of teacher-Centred and student centred approaches to science curriculum.
13. Suggest any ten activities that could be undertaken in a botany club.
14. What follow up work will you plan after an excursion?
15. Discuss the various pattern of classroom climate.
16. Explain the steps in the preparation of self-instructional modules.
17. Explain the components of a concept map with an example.
18. How will you organize exhibition in botany?

**SECTION-C****(2×15=30)****Answer ALL questions****Each answer should not exceed 750 words**

19. a) How can we improve teacher effectiveness through Flander's interaction analysis? Explain the method adopted to find out the classroom climate using FIAC.

(OR)

- b) Enumerate the main principles of curriculum construction in botany. Explain how for the present syllabus satisfies these principles.

20. a) How will you use field trips and community resources to teacher a lesson in botany? Illustrate.

(OR)

- b) Explain various method of science teaching. Which method in adopted for the classroom teaching.

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