

GUJARAT RESEARCH SOCIETY'S
HANSRAJ JIVANDAS COLLEGE OF EDUCATION
(AUTONOMOUS, NAAC RE-ACCREDITED: A+)
SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: **BED192EC16**

Course: Pedagogy of School Subject 1: Mathematics

Date: 23 /7 /2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.

2. Marks are indicated against each question.

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| 1 | “Concentric approach helps to develop a thorough understanding of Mathematics curriculum.” Explain with reference to the Concentric approach of curriculum organisation. | 10 |
| 2 | Describe the place of Mathematics in the present school curriculum. | 10 |
| 3 | “Mathematics disciplines the mind of the learner.” Justify with reference to the disciplinary value inculcated through the subject of Mathematics. | 10 |
| 4 | Elucidate the Avenues of Continuous Professional Development of a Mathematics teacher. | 10 |
| 5 | Elaborate on Virtual Manipulative as a digital resource in teaching of Mathematics. | 10 |
| 6 | “Lecture-cum-Demonstration method helps a teacher in the effective teaching of Mathematics.” Justify with reference to steps of Lecture -cum- Demonstration method of teaching Mathematics | 10 |
| 7 | Explain the organisation of the Mathematics Laboratory. | 10 |
| 8 | Illustrate the steps of the Assignment technique in the study of Mathematics. | 10 |
| 9 | Attempt any two of the following: | 10 |
| a) | Hard Applied type of Academic Discipline | |
| b) | Internal correlation of Mathematics | |
| c) | Remedial Teaching in Mathematics | |
| d) | Pre active phase of Pedagogical analysis | |

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SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: BED192EC17

Course: Pedagogy of School subject 1: Science

Date: 23/7/2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.

2. Marks are indicated against each question.

1. Explain the Becher-Biglan classification of Academic disciplines. 10
2. Elucidate **any four** uses of Virtual Laboratory as a digital resource in the study of Science. 10
3. "Learning of Science through conduct of scientific experiments takes place in a Science laboratory." Justify with reference to the planning and maintenance of the Science Laboratory. 10
4. Explain the internal correlation in Science with suitable examples. 10
5. "Inductive and Deductive approaches are said to be complementary to each other." Illustrate with reference to the procedure of Inductive-Deductive approaches in teaching of Science. 10
6. Elucidate the steps of Concept Mapping in the teaching of Science with a suitable example. 10
7. "Concentric approach of organizing curriculum enables thorough understanding of content by revisiting topics at different levels." Illustrate with reference to Concentric Approach of curriculum construction in Science. 10
8. Elaborate the nature of Science (**Any five**). 10
9. Attempt **any two** of the following: 10
 - a) Relationship between Academic discipline of Science and its subjects
 - b) Need for Professional growth of a Science teacher (**Any four**)
 - c) Aims and Objectives of teaching Science at Higher Secondary level (NCF, 2005)
 - d) Significance of Improvised apparatus as a learning resource in Science (**Any four**)

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SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: BED192EC14

Course: Pedagogy of School subject 1: Geography

Date: 23/7/2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.

2. Marks are indicated against each question.

1. "Teaching of Geography provides ample scope for correlation with other school subjects." Illustrate with reference to the correlation of Geography with History and Mathematics. 10
 2. Elucidate the significance of Computer based online resources. 10
 3. Explain the objectives and significance of a Geography Club. 10
 4. "Project Method emphasizes 'learning by doing' and places students at the center of the learning process." Justify with reference to the steps of Project method with a suitable example. 10
 5. Elaborate the procedure of Diagnostic testing and Remedial teaching. 10
 6. "The scope of Geography encompasses all aspects of human life." Illustrate with reference to the scope of Geography. 10
 7. Elucidate the challenges faced by a Geography teacher. 10
 8. Explain the typology of Academic disciplines proposed by Becher-Biglan based on pure-hard and pure-soft types. 10
 9. Attempt **any two** of the following: 10
 - a) Advantages and limitations of Topical Approach
 - b) Uses of Travelogues in the teaching of Geography (**Any five**)
 - c) Meaning of Academic disciplines
 - d) **Any two** ways to create Geo-Literacy awareness
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SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: BED192EC15

Course: Pedagogy of School subject 1: History

Date: 23/7/2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.

2. Marks are indicated against each question.

1. Explain the Historical Thinking Concepts by Peter Sexias and Tom Morton. 10
2. "Field trips enhance learning beyond the classroom." Explain with reference to the importance of Field trips in teaching History and Political Science. 10
3. Elucidate the relationship between Academic disciplines and History. 10
4. Elaborate the personal dimension of Culturally Responsive Pedagogy. 10
5. "History develops the ability to analyze the past for better understanding of the present and shape the future." Explain with reference to **any six** objectives of teaching History at secondary level. 10
6. Illustrate the use of TV and Documentary in teaching of History and Political Science. 10
7. "Professional growth of teachers is an ongoing journey of learning and development." Justify with reference to the need of professional growth for a History teacher. 10
8. Illustrate the process of Lecture-cum-Discussion Method of teaching History and Political Science. 10
9. Attempt **any two** of the following: 10
 - a) **Any three** qualities of a History teacher
 - b) Meaning of Academic discipline
 - c) Internal correlation of History and Political Science
 - d) Merits of Round Robin strategy in teaching of History and Political Science (**Any three**)

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SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: BED192EC12

Course: Pedagogy of School subject 1: Economics

Date: 23/7/2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.
2. Marks are indicated against each question.

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| 1. Explain any three principles of teaching Economics. | 10 |
| 2. "Economics occupies a significant place in the present school curriculum." Justify. | 10 |
| 3. Illustrate the Project method of teaching Economics. | 10 |
| 4. Elaborate the values of teaching Economics with reference to Global Citizenship. | 10 |
| 5. "Maxims of teaching helps in achieving success in the classroom." Elucidate with reference to any three maxims of teaching Economics. | 10 |
| 6. Explain the uses of print media and ICT as learning resources in teaching of Economics. | 10 |
| 7. "The ever-changing landscape of education puts teachers into various challenging situations." Justify with reference any six challenges faced by an Economics teacher. | 10 |
| 8. Elucidate the steps of Seminar method of teaching Economics. | 10 |
| 9. Attempt any two of the following: | 10 |
| a) Soft Pure type of Academic Discipline as given by Becher-Biglan | |
| b) Importance of Economics | |
| c) Characteristics of an Economics textbook (Any five) | |
| d) Any five avenues for Continuous Professional Development of an Economics teacher | |
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SEMESTER II PRELIMINARY EXAMINATION (2024-2025)

Course Code: **BED192EC13**

Course: **Pedagogy of School Subject 1: English**

Date: 23 /7 /2025

Time: 2 Hours

Marks: 60

N.B. 1. Answer any **six** questions of the following out of which Q.9 is compulsory.

2. Marks are indicated against each question.

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| 1 | “Questioning is a powerful tool to foster deeper learning in English.” Elucidate with reference to different types of questions used in teaching of English. | 10 |
| 2 | Elaborate the Becher- Biglan classification of Academic disciplines. | 10 |
| 3 | What is Remedial teaching? Explain the strategies for remedial teaching in English. | 10 |
| 4 | “Library is an important learning resource in the study of English.” Justify with reference to any four uses of Library in the study of English. | 10 |
| 5 | Elaborate on the techniques of assessing vocabulary and listening skills in language. | 10 |
| 6 | “In a diverse classroom, the teacher needs to respect the learners' linguistic diversity.” Justify with reference to the teacher's role in a multilingual classroom. | 10 |
| 7 | Elucidate the characteristics of Narration technique of teaching English. | 10 |
| 8 | Describe any four Palmer's principles of teaching English. | 10 |
| 9 | Attempt any two of the following: | 10 |
| a) | Meaning of Academic discipline | |
| b) | Any four general aims of teaching English | |
| c) | Nature of language (Any five) | |
| d) | Any four avenues of continuous professional development for an English teacher | |
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