



GOA UNIVERSITY

Bachelor of Education First Year

Paper Title: School and Classroom Management

Paper Code: EDU05

[Duration: 1 Hours]

[Total Marks: 30]

Instructions: All questions are compulsory

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Q1 Answer **any three** of the following in 200 words each. (3X5 = 15)

- Describe the key elements that contribute to effective classroom management in a secondary school.
- Analyze how the leadership style of a headmaster can influence the role performance of teachers in a secondary school.
- A teacher needs to be a multi-tasker. Explain the role of a teacher.
- Describe different approaches a teacher can take when dealing with inappropriate behavior in the classroom.

Q2 Write short notes on **any five** of the following in about 100 words each. (5X3=15)

- Suggest three ways a school can promote self-esteem among its students.
- Briefly explain the concept of excellence in education.
- State the factors that will affect the school environment.
- Write a short note on the school calendar.
- What are the common causes of misbehaviour among students?
- How can you as a teacher deal with disruptions?



**GOA UNIVERSITY**

**Bachelor of Education First Year**

**Paper Title: Approaches and Strategies**

**Paper Code: EDU04**

**[Duration: 1 Hours]**

**[Total Marks: 30]**

**Instructions: All questions are compulsory**

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1. Answer **any three** questions out of four in 200 Words. (3×5=15)
  - a) Explain any two forms of self-learning and how they contribute to learners' achievement.
  - b) Discuss the Meaning of reflective teaching and the characteristics of a reflective teacher.
  - c) Elaborate on the meta-cognitive strategies.
  - d) Comment on the impact and limitations of one's socialization process on becoming a teacher.
  
2. Write short notes on **any five** of the following in 100 words. (5×3=15)
  - a) Merits of Rehearsal strategies with examples.
  - b) Limitations of reflective practices.
  - c) PQ4R.
  - d) Impact of teacher's assumption on teaching and planning.
  - e) Advantages of reflective Journal/diary writing.
  - f) Debate and Dramatization.



**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Environment Education**

**Paper Code: EDU13**

**[Duration: 1 Hours]**

**[Total Marks: 30]**

**Instructions:** 1. All questions are compulsory

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**Q.1 Answer any Three of the following questions in about 200 words. (3X5=15)**

- A) Discuss the impact of Global warming on biodiversity and ecosystem. What measures can be taken to mitigate its effects?
- B) What is Education for Sustainable Development (ESD)? Cite differences between EE and ESD.
- C) What are the threats to Biodiversity hotspots? Explain the measures that can be taken to conserve these areas.
- D) What is meant by Energy crises? Give any five reasons that contribute to energy crisis in the world today.

**Q.2 Write short notes (only three points) on any Five of the following in about 100 words.**

**(5X3=15)**

- A) Objectives of Tbilisi conference.
- B) Non-renewable resources.
- C) Traditional water harvesting strategies
- D) Ozone layer depletion.
- E) Environment games and songs
- F) Correlation of Environment Education with any two school subjects.



**GOA UNIVERSITY****Bachelor of Education First Year****Paper Title: Learning Resources****Paper Code: EDU03****[Duration: 2 Hours]****[Total Marks: 65]****Instructions: All questions are compulsory****I. Answer any one of the following in about 400 words. (1x12=12)**

- a) How could a teacher balance a combination of concrete and abstract learning experiences considering 21<sup>st</sup> century learning? Write any five valid points along with examples.
- b) 'A teacher is considered as a resource manager in ICT enabled environment'. Elaborate.

**II. Answer any one of the following in about 400 words. (1x12=12)**

- a) 'Visual Media retains the attention of the learners during learning.' Explain this using any 5 visual media.
- b) 'E-learning is essential to study many concepts effectively.' Explain the approaches of e-learning with three merits each.

**III. Answer any four of the following in about 200 words. (4x5=20)**

- a) How will you create an educational video by using FOSS? Exemplify.
- b) Write the use of internet as an educational resource citing examples.
- c) Justify the use of puppets in classroom instruction.
- d) Explain the components of communication.
- e) Explain the importance of Video Conferencing in enhancing the teaching learning process.
- f) Elaborate the principles of self-learning.



IV. Write short notes (**only three points**) on **any seven** of the following in about **100 words**.

(7x3=21)

- a) Limitations of Self Learning
- b) Advantages of Cloud Storage
- c) Merits of Educational Games
- d) Strategies to enhance communication
- e) Uses of Cellular phones in the field of education
- f) Merits of Educational Television
- g) Guidelines for use of projected media
- h) Computer Aided Instruction using modular instruction
- i) Role of teacher in designing self-learning materials

Examination April 2025

EDU12



GOA UNIVERSITY

Bachelor of Education Second Year

Paper Title: Action Research

Paper Code: EDU12

[Duration: 1 Hours]

[Total Marks: 30]

Instructions: All questions are compulsory.

Q1] Answer any three of the following in about 200 words each.

3 x 5 = 15

- Describe the components of a research plan.
- Elucidate the steps involved in the construction of an observations schedule with the help of an example.
- Explain the steps involved in analysing qualitative data from interviews.
- Describe the format of an action research project report with a brief description of each component.

Q2] Answer any five of the following in about 100 words each.

5 x 3 = 15

- Sources of action research problems (at least six sources)
- Any three advantages of a focus group interview.
- Briefly explain any three entries in a research diary.
- Describe the process of analysing data from an observation schedule.
- Explain the interpretation of the coefficient of correlation in terms of strength of relationship and direction of relationship.
- Write two points of difference between a quotation and citation along with an example of each.





**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Inclusive Education**

**Paper Code: EDU11**

**[Duration: 1 Hours]**

**[Total Marks: 30]**

**Instructions:** All questions are compulsory

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**Q.1. Answer any three questions out of four in 200 words. (3x5=15)**

- a. Describe the components and activities of a Life Skills and Academic Resource Room.
- b. Explain how the Central and State Governments protect the rights of the differently abled.
- c. Explain how will you identify the Learning- Disabled Children. What special teaching/learning activities will you adapt to handle them?
- d. Explain the term, "Curriculum Modifications" with respect to Inclusive Education.

**Q.2. Write short notes on any five of the following in 100 words. (5x3=15)**

- a. Benefits of Inclusive Education.
- b. Alternate Evaluation System
- c. Characteristics of Autistic children
- d. Sensitization of a teacher in an inclusive school.
- e. Alternative Subject choice.
- f. Scholastic backwardness.



**GOA UNIVERSITY**

**Bachelor of Education First Year**

**Paper Title: Learner and Learning**

**Paper Code: EDU02**

**[Duration: 2 Hours]**

**[Total Marks: 65]**

**Instruction: All questions are compulsory**

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**Q.1 Answer any One out of two in 400 words (1x12=12)**

- A. Justify the need for a teacher to understand and use the Information Processing Theory to teach effectively.
- B. Discuss the contemporary concerns related to adolescents and the role of teachers to address them.

**Q.2 Answer any One in about 400 words. (1x12=12)**

- A. Discuss the relevance of Classical conditioning and Operant conditioning theories in the teaching learning process.
- B. Discuss how Gardener's theory of Multiple Intelligences can help the teacher to teach effectively.

**Q.3 Answer any 4 out of 6 in about 250 words. (4x5=20)**

- a. Explain the different types of learning disabilities among learners.
- b. Explain any five educational implications of Piaget's theory of cognitive development.
- c. How will you enhance the memory of your students?
- d. Explain briefly Gagne's learning tasks.
- e. Explain the laws of Transfer of Learning with suitable examples.
- f. How will you effectively use motivational strategies in the classroom.



(7x3=21)

**Q.4. Answer any 7 out of 9 in about 100 words each.**

- a. Characteristics of an Integrated Personality.
- b. Steps in effective problem Solving.
- c. Ways to enhance creative thinking among students.
- d. Nature v/s Nurture.
- e. Stages of Kohlberg's theory of Moral development.
- f. Adjustment strategies in the classroom
- g. Principles of growth and development.
- h. Strategies to improve critical thinking.
- i. Role of Constructivist teacher.



**GOA UNIVERSITY**  
**Bachelor of Education Second Year**  
**Paper Title: Assessment and Evaluation**

**Paper Code: EDU09**

**[Duration: 2 Hours]**

**[Total Marks: 65]**

**Instruction:** All questions are compulsory

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- I. Answer **any one** of the following in about **400** words. **(1x12=12)**
- a) Differentiate between assessment and evaluation. Describe the principles of assessment.
  - b) Critically evaluate any three emerging trends in assessment and evaluation and their impact on the education system.
- II. Answer **any one** of the following in about **400** words. **(1x12=12)**
- a) Continuous and Comprehensive Evaluation aims at the overall development of the students. Justify the statement.
  - b) Discuss any three issues and problems in assessment.
- III. Answer **any four** of the following in about **200** words. **(4x5=20)**
- a) Evaluate the strengths and challenges of portfolio assessment in measuring student learning and progress.
  - b) Explain the guidelines to be followed while preparing multiple choice test items with examples.
  - c) Describe how teachers can use feedback to enhance their instructional effectiveness and professional growth.
  - d) Explain the use of performance based activities as an assessment device.
  - e) Describe grading as practiced in the schools of Goa.



- f) Differentiate between Norm Referenced and Criterion Referenced Interpretations citing appropriate examples

IV. Write short notes on **any seven** of the following in about **100** words.

(7x3=21)

- a) Advantages of written tests
- b) Purpose of Prognostic Assessment
- c) Performance dimension of learning
- d) Advantages of Open book exam
- e) Limitations of Oral tests
- f) Uses of question bank
- g) Classification of assessment based on nature of information gathered
- h) Three tools for assessing affective learning
- i) Use of assignments as an assessment device



**GOA UNIVERSITY**

**Bachelor of Education First Year**

**Paper Title: Foundations of Education**

**Paper Code: EDU01**

**[Duration:: 2 Hours]**

**[Total Marks: 65]**

**Instructions:** All Questions are compulsory.

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I. Answer any **one** of the following questions in about **400** words. **(1X 12 = 12)**

- a) Critically analyze the role of Rastriya Madhyamika Shiksha Abhiyan for the development of Secondary Education in India.
- b) Discuss the contributions of teacher to build knowledge-based society in India.

II. Answer any **one** of the following questions in about **400** words. **(1X 12 = 12)**

- a) Evaluate role of the teacher as an agent of social change.
- b) Critically analyze the relevance of Basic Education Curriculum advocated by Mahatma Gandhi.

III. Answer any **four** in about **200** words each **(4X 5 = 20)**

- a) Discusses J.P Naik's views on elusive triangle of Indian education system.
- b) Evaluate Curriculum prescribed by NCF 2005.
- c) Discuss the role of teacher in implementing Rights of the Child Act 2005.
- d) Briefly analyze modified NPE 1992.
- e) What is the educational implication of methods of teaching suggested by Paulo?
- f) Discuss Challenges faced by the teachers to implement RTE Act 2009 effectively.



IV. Write short notes on any **seven** of the following in about **100** words. (7X3 =21)

- a) Learning to Live together
- b) Role of teacher for imparting secular Education
- c) Cultural context for educational aims
- d) Educational Provisions for Vocational education under Kothari Commission
- e) Challenges of faced by distance learning education
- f) Educational importance of family.
- g) Jean Jacques Rousseau's views on women Education
- h) Role of teacher according to Jiddu Krishnamurthy.
- i) Ways of promoting pluralistic education in India (Any 3 ways)



**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: History**

**Paper Code: EDU07/08-V**

**[Duration: 2.30 Hours]**

**[Total Marks:75]**

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1. Answer **any one** of the following in **400** words. (1X12=12)
- a) How can ICT be used in the class room to make the teaching learning of History more effective?
  - b) What qualities does a History teacher need to possess in order to be an effective teacher?
2. Answer **any one** of the following in **400** words. (1X12=12)
- a) "Values are not taught but caught". Explain this statement with regard to the teaching of History.
  - b) As a History teacher, how would you handle controversial topics in the class?
3. Answer **any five** of the following in **250** words each. (5 X 6=30)
- a) Enumerate the qualities required by a History teacher to be an action researcher.
  - b) Why should the concepts of cause, effect and consequences be taught in History?
  - c) List out the controversies involved in curriculum designing.
  - d) What remedial measures can be used by the History teacher to help her students overcome problems faced by them in the class?
  - e) State the advantages of writing a Unit Plan in History
  - f) As a History teacher which instructional material would you use to teach the unit 'Role of Government in Health' for class VII ?
  - g) Highlight the importance of participating in in-service programs by the History teacher.



4. Answer any seven of the following in 100 words each.

(7 X 3=21)

- a) Concept of Historiography
- b) Aims of teaching History
- c) Sources based on Archeology
- d) Activities to develop International Values
- e) Demerits of using a Text Book
- f) Means of developing Historical Empathy in the students.
- g) Need for self-assessment by the History Teacher.
- h) Merits of a Time Line
- i) Importance of writing Instructional objectives.



**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: Science**

**Paper Code: EDU07/08-IX**

**[Duration: 2.30 Hours]**

**[Total Marks: 75]**

Instructions: : All questions are compulsory.

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**Q.1. Answer any one of the following in 400 words.**

**1X12=12**

- a. Develop instructional objectives for any suitable science topic using the Revised Bloom's Taxonomy. Specify objectives for each cognitive level (Remember, Understand, Apply, Analyze, Evaluate, Create)
- b. Describe the role of performance assessment in science teaching and also mention different tools used for performance assessment.

**Q.2. Answer any one of the following in 400 words.**

**1X12=12**

- a. What is the Concept Attainment Model? How can the Concept Attainment Model make teaching science more effective? Cite a suitable example.
- b. Explain integrated science process skills with suitable examples and elaborate on their role in teaching and learning science.

**Q.3. Answer any five of the following in 200 words.**

**5X6=30**

- a. Briefly describe the phases of the Inquiry Model by citing suitable examples.
- b. Describe how worksheets can be used to enhance science learning.
- c. Design a checklist for assessing scientific attitude.
- d. Elaborate on the concept of scientific and technological literacy and focus on the efforts to be undertaken to enhance it.
- e. What are the characteristics possessed by a person with a scientific attitude?



- f. Describe the significance of questioning in the teaching and learning of science.
- g. Elaborate the way in which animations can enhance science teaching and learning.

**Q.4. Write short notes on any seven of the following in 100 words each.**

**7X3=21**

- a. Planning and use of a magnetic board in teaching science.
- b. Cite any three web 2.0 tools and their use for science learners.
- c. Nurturant and instructional effects of the inductive thinking model.
- d. Design a rubric for debates using any 3 criteria
- e. Merits of performance assessment
- f. Science as a product and process
- g. Role of field trips in teaching science
- h. Mention any three science-related activities
- i. Elaborate on the role of documentaries in teaching the concept of 'nutrition and life processes'.



**GOA UNIVERSITY**  
**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: Hindi**

**Paper Code: EDU07/08-II**

**[Duration: 2.30 Hours]**

**[Total Marks:75]**

सूचना-1) सभी प्रश्नों को हल करना अनिवार्य है।

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**प्रश्न 1 निम्नलिखित में से किसी एक प्रश्न का उत्तर लगभग 400 शब्दों में लिखिए।** **(1x12=12)**

- अ) 'किसी भी कक्षा में भाषिक खेलों का आयोजन करना जरूरी है' इस वाक्य की स्वीकृति में भाषिक खेलों का महत्व तथा प्रकारों को उदाहरणसहित स्पष्ट कीजिए।
- ब) 'भाषिक उद्देश्यों को साधने में पाठ्यपुस्तक का महत्व असंदिग्ध है' विधान की सत्यता की समीक्षा आदर्श पाठ्यपुस्तक के सन्दर्भ के आधार पर कीजिए।

**प्रश्न 2 निम्नलिखित में से किसी एक प्रश्न का उत्तर लगभग 400 शब्दों में लिखिए।** **(1x12=12)**

- अ) 'शैक्षिक निदान और उपचारी शिक्षा एक ही सिक्के के दो पहलू हैं' इस विधान की पुष्टि सोदाहरण कीजिए।
- ब) 'हिंदी भाषा अध्यापक की गुणविशेषताएँ छात्रों के भाषा विकास का आधार हैं' इस विधान की विवेचना कीजिए।



प्रश्न 3 निम्नलिखित में से किसी पाँच प्रश्नों के उत्तर लगभग 250 शब्दों में लिखिए।  
(5x6=30)

- अ) हिंदी भाषा अध्यापन में प्रत्यक्ष प्रणाली के महत्व को रेखांकित कीजिए।
- ब) 'मौखिक परीक्षा के बिना भाषिक मूल्यांकन पूर्ण रूप से सफल नहीं होता है' इस विधान का समर्थन सोदाहरण कीजिए।
- क) प्रश्नपत्र तैयार करते समय तीन आयामी तालिका क्यों महत्वपूर्ण है स्पष्ट कीजिए।
- ड) अध्ययनानुवर्ती उपक्रम छात्रों में स्वयं अध्ययन की प्रवृत्ति किस प्रकार विकसित करते हैं? सोदाहरण स्पष्ट कीजिए।
- इ) 'शैक्षिक साधन छात्रों के भाषा विकास में सहायक होते हैं' विधान का समर्थन सोदाहरण कीजिए।
- फ) हिंदी भाषा अध्यापन में प्रकल्प पद्धति का प्रयोग किस प्रकार किया जाता है? यह उदाहरणद्वारा स्पष्ट कीजिए।
- ग) कक्षा अध्यापन में नए शब्दों को व्याख्यायित करने की विभिन्न प्रणालियाँ स्पष्ट कीजिए।

प्रश्न 4 निम्नलिखित में से किसी सात प्रश्नों पर लगभग 100 शब्दों में टिप्पणियाँ लिखिए।  
(7x3=21)

- अ) स्वाध्याय की संकल्पना एवं प्रकार
- ब) वार्षिक नियोजन निर्माण के तत्व

क) हिंदी भाषा का महत्व

ड) पद्य अध्यापन की प्रणालियाँ

इ) चर्चा पद्धति के गुण-दोष

फ) उच्चारण कौशल्य दोष दूर करने के उपाय

ग) घटक नियोजन के अंग

ह) निरंतर सर्वकष मूल्यांकन का महत्व

ई) हिंदी भाषा अध्यापन में भाषा प्रयोगशाला का महत्व





**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: English**

**Paper Code: EDU07/08-I**

**[Duration: 2.30 Hours]**

**[Total Marks: 75]**

Instructions: *All questions are compulsory*

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- I. Answer **any one** of the following in about 400 words. (1x12=12)
- Describe the concept of Productive Skills in English Language Teaching (ELT). Suggest five techniques for teaching any one of the Productive Skills.
  - As a teacher, what components would you keep in mind while constructing a Unit Test? Elaborate the procedure of Test Planning in ELT.
- II. Answer **any one** of the following in about 400 words. (1x12=12)
- State four advantages of using Audio-visual Devices for teaching English. Describe any three audio-visual resources that you would use to effectively teach a poetry lesson.
  - What is listening? How would you improve the listening skills of secondary school students in Goa?
- III. Answer **any five** of the following in about 250 words. (5x6=30)
- Describe how the Advance Organizer Model can be effectively used to teach a prose lesson at the high school level.
  - Letter writing is an essential skill. Do you agree? Discuss the importance of teaching letter writing at high school level.
  - 'Computer Assisted Language Learning (CALL) is need of the hour in the view of NEP 2020'. Elucidate.
  - What are the stages of Continuous Professional Development (CPD) framework?
  - Account for using non-verbal communication for effective classroom management.
  - Justify the use of learner portfolios as an effective alternate assessment tool.
  - Explain two ways in which drama can be integrated into a language classroom.

IV. Write short notes on **any seven** of the following in about **100** words.

- a) The importance of Annual Planning in ELT.
- b) Features of a Book Review.
- c) Salient features of the Humanistic Syllabus
- d) Teaching Active and Passive Voice in ELT.
- e) Guidelines for Precis Writing.
- f) The Concept of Pronunciation.
- g) Functions of the Organs of Speech.
- h) English as the First, Second and Third Language.
- i) Any three graded activities for Remediation of Slow Learners.





**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: Konkani**

**Paper Code: EDU07/08-IV**

**[Duration: 2:30 Hours]**

**[Total Marks: 75]**

**सुचोवणी: सगळे प्रस्न अनिवार्य आसात.**

**प्रस्न 1. सकयल दिल्ल्या खंयच्याय एका प्रस्नाची जाप सुमार ४०० उतरांनी बरयात.**

**(१ x १२=१२)**

- क) 'शिक्षणीक निदान' आनी 'उपचारी शिक्षण' ह्यो संकल्पना स्पश्ट करात. तशेंच खंयचोय एक भाशीक कौशल दोश घेवन, त्या कौशल दोशां संबंदीतचीं कारणां बरोवन, तुमी उपचारी शिक्षण कशें दितले, हाचेर चर्चा करात.
- ख) अभ्यासक्रमांत पुरक अध्ययन अणभवांक आशिल्लें म्हत्व मांडून, विद्यार्थ्यां खातीर तरेकवार अभ्यासानुवर्ती कार्यक्रम सुचयात.

**प्रस्न 2. सकयल दिल्ल्या खंयच्याय एका प्रस्नाची जाप सुमार ४०० उतरांनी बरयात.**

**(१ x १२=१२)**

- ग) तुमी कोंकणी भाशेंतल्यान सकयल दिल्लो खंयचोय एक पाठ उद्दिश्टांची पुर्तताय करपाक कशे तरेन प्रभावी स्वरूपांत सादर करतले, हें एके देखी सयत स्पश्ट करात.

**(अ) पत्र लेखन पाठ, यत्ता णवी (आ) पद्य पाठ, यत्ता आठवी**

घ) "अध्यापन प्रक्रिया प्रभावी करपाक शिक्षणीक उपकरणां म्हत्वपूर्ण भुमिका साकारतात". हें विधान तरेकवार शिक्षणीक साधनांच्यो देखी दिवन स्पश्ट करात.

प्रस्न 3. सकयल दिल्ल्या खंयच्याय पांच प्रस्नांच्यो जापो प्रत्येकी सुमार २५० उतरांनी

बरयात.

(५ x ६ = ३०)

च) संकल्पना प्राप्ती प्रतिमान वर्गांत वापरतना ताचो प्रभाव वर्ग वातावरणाचेर कशे तरेन पडटा, हाचेर देखी सयत चर्चा करात.

छ) "अभ्यासक्रमांत आवयभाशेक अनन्यसादारण म्हत्व आसा." हें विधान आवयभाशेक म्हत्व दिवपा फाटलीं कारणां दिवन स्पश्ट करात.

ज) वर्सुकी नियोजनाचें म्हत्व स्पश्ट करुन, तुमी तुमच्या अभ्यासक्रमाचें नियोजन कशे तरेन करतले, तें बरयात.

झ) व्याकरण पाठाची उद्दामी प्रणाली एका व्याकरणीक संकल्पनेच्या आदारान स्पश्ट करात.

ट) कोंकणी विशयाच्या आदर्श पाठयपुस्तकाचे निकश लक्षांत दवरुन, पाठयपुस्तकाच्या अंतरंगा विशीं सविस्तर चर्चा करात.

ठ) भाशीक खेळांचें अध्यापनांतलें म्हत्व स्पश्ट करून, विद्यार्थ्यांच्या भाशीक विकासा खातीर तरेकवार भाशीक खेळ देखीं सयत सुचयात.

ड) कोंकणी भाशेच्या आदर्श शिक्षका भितर खंयचे विशेश गूण अपेक्षीत आसात हाचेर भासाभास करात.



प्रश्न ४. सकयल दिल्ल्या खंयच्याय सात प्रस्नांच्यो जापो प्रत्येकी सुमार १०० उतरांनी बरयात.

(७ x ३ = २१)

अ) 'परिसंवाद' ह्या तंत्राचे तीन फायदे तशेच तीन मर्यादा / दोश बरयात.

आ) सतत सर्वसमावेशक मुल्यांकनाचे विद्यार्थ्यांक जावपी फायदे बरयात.

इ) स्वाध्याय उपक्रमांतली शिक्षकाची भुमिका स्पश्ट करात.

ई) मौखीक परिक्षेचें म्हत्व मांडून, कांय प्रस्न प्रकार सुचयात.

उ) भाशा अध्यापन - अध्ययनाचीं स तत्वां बरयात.

ऊ) कृती - केंद्रीत अध्यापनाच्यो विशेशतायो बरयात.

ए) चर्चा वा नाट्यीकरण हातूंतली खंयचीय एक प्रणाली निवडून, वर्गांत ती विद्यार्थ्यांक कशी फायदेशीर थारता, हाचेर स मुद्दे बरयात.

ऐ) भाशाध्यापनाच्या सुत्रांची वळेरी करुन, खंयचींय दोन सुत्रां योग्य देखीं सयत स्पश्ट करात.

ओ) वस्तुनिश्ठ प्रस्नांच्यो चार विशेशतायो बरोवन, दोन वस्तुनिश्ठ प्रस्न तयार करात.



GOA UNIVERSITY

Bachelor of Education Second Year

Paper Title: Methodology of Teaching: Mathematics

Paper Code: EDU07/08-VIII

[Duration: 2:30 Hours]

[Total Marks: 75]

Instructions: i) All questions are compulsory.

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Q.1 Answer any one of the following in about 400 words. (1 x 12 = 12)

- a) Critically evaluate the Analytic - Synthetic method of teaching Mathematics. In your response, explain the key features of both the approaches, discuss their advantages and limitations. Illustrate your answer with appropriate examples from secondary level mathematics.
- b) How would you design and facilitate mathematics lessons that foster creativity, encourage real-world application, and promote deep, meaningful engagement with mathematical concepts?

Q.2 Answer any one of the following in about 400 words: (1 x 12 = 12)

- a) Critically evaluate the role of CCE in supporting learners with diverse needs in the mathematics classrooms. What challenges might arise, and how can they be addressed?
- b) Describe the Inductive-Deductive method of mathematics with respect to the following points: - (i) objectives (ii) steps with examples (iii) advantages (iv) limitations (v) Teacher Role.

Q.3 Answer any five of the following in about 250 words. (5 x 6 = 30)

- a) Discuss the objectives of teaching mathematics at secondary level.
- b) Discuss 'guided discovery' as an approach to teaching of generalizations. Support your answer with suitable examples.
- c) Discuss the significance of constructivism in teaching Mathematics.
- d) How can question banks be made more efficient so as to develop higher order cognitive skills in students?



- c) Explain any two types of proofs using appropriate examples.
- f) Justify the need of mathematics clubs and mathematics laboratories in schools.
- g) Discuss the role of ICT in learning mathematics.

Q.4. Write short notes on any seven of the following in about 100 words. (7 x 3 = 21)

- a) Write three learning outcomes for the topic – types of fractions
- b) Strategies for developing problem solving (any three)
- c) Positive and negative examples in the concept attainment model. (two examples)
- d) Advantages of assignments
- e) Merits of Heuristic method
- f) Importance of teacher made tests in mathematics
- g) Importance of diagnostic tests in mathematics
- h) Competencies of an effective mathematics educator
- i) Merits of drill and review



**GOA UNIVERSITY**

**Bachelor of Education Second Year**

**Paper Title: Methodology of Teaching: Geography**

**Paper Code: EDU07/08-VI**

**[Duration: 2:30 Hours]**

**[Total Marks: 75]**

**Instructions:** i) All questions are compulsory.

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**Q. 1. Answer any one of the following in 400 words. (1X12= 12)**

- How can a Geography teacher apply specific qualities to enhance the effectiveness of their teaching?
- How can the dimensions of a Blueprint guide the preparation of assessment items? Develop six questions based on the Blueprint you have created.

**Q.2. Answer any one of the following in 400 words. (1X12= 12)**

- How can the establishment of a Geography room in a school enhance learning, and what steps would you take to set up an effective Geography room in your school?
- List down different methods of teaching Geography. Why is Excursion method considered to be one of the most effective methods of teaching Geography?

**Q.3. Answer any five of the following in about 250 words each. (5 X 6= 30)**

- Discuss the concept and nature of Geography with its importance in day to day life.
- Define projected and non-projected teaching aids in Geography, and how its differ from each other.
- Explain the project method of teaching Geography and its key characteristics.
- Discuss the advantages and disadvantages of using bulletin board in the Geography class.



- e. How can the teaching of Geography correlate with Science and History?
- f. Discuss the advantages and disadvantages of using maps and globes in the class.
- g. What activities would you suggest to strengthen your students' knowledge about the Lithosphere?

**Q.4. Write short answers on any seven of the following in about 100 words each.**

**(7X3= 21)**

- a. Tools of evaluation in Geography.
- b. Uses of Content Analysis.
- c. Materials to be used in Geography exhibition.
- d. Resources and occupation of Goa.
- e. Contribution of three famous Geographers
- f. Advantages of using symbols in teaching Geography.
- g. Draw a diagram to explain the water cycle
- h. Need of unit plan.
- i. Important features of totality of environment.