

Total No. of Printed Pages:01

**First Year B.Ed.
EXAMINATION JUNE 2023
EDU-02 : Learner and Learning**

[Time: 2 Hours]

[Max. Marks:65]

Instructions:All questions are compulsory.

Q1 Answer any **One** of the following in about 400 words. **(1 x 12=12)**

- A) Discuss the relevance of classical conditioning and Operant conditioning theories in teaching learning process.
- B) Discuss the developmental characteristics of the adolescent and the role of the teacher to guide the adolescent.

Q2 Answer any **One** of the following in about 400 words. **(1 x 12=12)**

- A) How does Goleman's theory of Emotional intelligence help teacher to enhance teaching learning process?
- B) Explain the information processing theory model. Describe its classroom implication.

Q3 Answer any **Four** of the following in about 200 words. **(4 x 5=20)**

- a) How does Kohlberg's theory of Moral development help a teacher in classroom teaching?
- b) How you will identify slow learners in your class and help them?
- c) How will you effectively use both intrinsic and extrinsic motivation in the classroom?
- d) How interpretation affects perception?
- e) How is critical thinking different from creative thinking?
- f) What are the adjustment strategies? Explain at least six such strategies with example used by individuals?

Q4 Answer **any Seven** of the following in about 100 words. **(7 x 3=21)**

- a) Laws of learning.
- b) Stages of cognitive development according to Piaget.
- c) Characteristics of integrated personality.
- d) Transfer of learning.
- e) Contemporary concerns of adolescents.
- f) Role of teacher in guidance and counselling services.
- g) Principles of growth and development.
- h) Differences between guidance and counselling.
- i) Steps in effective problem solving.

Total No. of Printed Pages:01

**First Year B.Ed.
EXAMINATION JUNE 2023
EDU-03 : Learning Resources**

[Time:2 Hours]

[Max. Marks:65]

Instructions:All Questions are Compulsory.

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

- a. Justify the importance of communication in teaching - learning. What strategies will you use to enhance classroom communication as a teacher? (Any six strategies)
- b. "Television, computer and streaming video help in making learning interesting for the learners.' Explain.

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

- a. How would you integrate Dale's Cone of experiences in teaching-learning? Discuss with examples.
- b. As a 21st century teacher, how will you use Computer Aided Instruction to promote self-learning among high school students?

III. Answer any four of the following in about 200 words. (4×5=20)

- a. What are the merits and limitations of the self-learning?
- b. Explain the communication cycle.
- c. Design a checklist to measure the effectiveness of a self-learning material created by you.
- d. Explain any five-print media which make learning interesting for the learners.
- e. Explain concept of e-learning with its merits and limitations.
- f. Elaborate five characteristics of collaborative learning through wikis.

IV. Write short notes (only three points) on any seven of the following in about 100 words. (7x3=21)

- a. Limitations of online learning.
- b. Merits of educational games.
- c. Need of IT Laboratory in school.
- d. Limitations of virtual tours.
- e. Characteristics of cellular phones.
- f. Merits of non-verbal communication.
- g. Characteristics of Podcasts.
- h. Classification of learning media.
- i. Types of FOSS.

Total No. of Printed Pages:01

First Year B.Ed.
EXAMINATION JUNE 2023
EDU-01: Foundations of Education

[Time:2 Hours]

[Max. Marks:65]

Instructions: All questions are compulsory.

- I. Answer any one of the following questions in about 400 words. (1x12=12)**
- Analyze the effectiveness of the role of the Government of India in the Education system.
 - Should education become a totally Private Enterprise? Critically analyze the consequences of the Privatization of Education at the school and college level.
- II. Answer any one of the following question in about 400 words. (1x12=12)**
- Explain the Characteristics of 'Integral Education' according to Jiddu Krishnamurthy.
 - 'Referring to Elusive triangle of Indian education, quality remains a challenge'. Discuss.
- III. Answer any four in about 200 words each. (4x5=20)**
- Explain the merits of Gandhi's 'NaiTalism'.
 - Discuss the role of teacher in RTE 2009.
 - Explain the Salient features of Central Advisory Board of Education (CABE).
 - State the role of teacher in Population education.
 - Discuss the qualities of teacher as a 'Knowledge Worker'.
 - Explain the Four Pillars of Education according to Delor's Report.
- IV. Write short notes (only three points) on any seven of the following in about 100 words. (7x3=21)**
- Methods of teaching according to Rousseau.
 - Issues and concerns of Universalization of Secondary Education (USE).
 - Pluralism as a social issue.
 - Need of Promoting an Interdisciplinary approach to education.
 - Role of teacher according to Vivekananda.
 - Curriculum recommended by Gandhi.
 - The Right of the Child Act of 2005.
 - Teacher's role in guiding the Social Change.
 - Need of shifting from Real to Virtual learning environment.

SRNJ23-05

Total No. of Printed Pages:01

**First Year B.Ed.
EXAMINATION JUNE 2023
EDU-05 : School and Classroom Management**

[Time: 1 Hours]

[Max. Marks:30]

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

(3 x 5 = 15)

- a) Enumerate any five functions that a teacher needs to perform in a school.
- b) Explain the concept of classroom climate. Discuss any four factors affecting classroom climate.
- c) Elaborate on how, as a teacher you would deal with pupil misbehaviour?
- d) What do you mean by preventive classroom management? Suggest any 3 techniques of preventive classroom management.

Q2 Write short notes on **any five** of the following in about **100 words** each.

(5 x 3 = 15)

- a) Key elements of effective classroom management.
- b) Ways of working towards self-management.
- c) Factors affecting school environment.
- d) Ways of managing physical resources in a school.
- e) Concept of quality management in education.
- f) Strategies to promote self-esteem among students.

SRNJ23-04

Total No. of Printed Pages:01

**First Year B.Ed.
EXAMINATION JUNE 2023
EDU-04 : Teaching : Approaches & Strategies**

[Time: 1 Hours]

[Max. Marks: 30]

Instructions: All questions are compulsory.

Q1 Answer any three questions in about **200** words each. **(3 X 5=15)**

- a) Explain the impact of one's own socialisation process on becoming a teacher and its limitation
- b) 'Self-learning is the best form of learning'. Do you agree with this statement? Elaborate.
- c) Developing effective study skills is very important to succeed in any class or training session. Select any two self-study strategies that you use and explain them.
- d) How can reflective practices help a teacher to improve his/her teaching style?

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

- a) Differentiate between teaching and training. (any 3 points)
- b) Teachers' assumptions on teaching and its impact on planning and teaching.
- c) Limitations of lecture method.
- d) Differentiate between 'Rote rehearsal and complex rehearsal'.
- e) Essential qualities of a Reflective teacher.
- f) Maintenance of Diary/journal as a process of reflection.

SRNJ23-08

Total No. of Printed Pages:01

**Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-12 : Action Research**

[Time:1 Hours]

[Max. Marks:30]

Q.1 Answer any three from the following in about 200 words each.

(3X5=15)

- a) What kind of precaution will you take while writing quotations and citations in your research?
- b) Describe the meaning and characteristics of Action Research.
- c) Discuss the merits and demerits of observation schedule with examples.
- d) Write down the different uses of quantitative data analysis tools such as percentage, mean and standard deviation.

Q.2 Answer any five from the following in about 100 words each.

(5X3=15)

- a) Style of writing research report.
- b) Sources of research problem.
- c) Demerits of questionnaire.
- d) Types of Correlation.
- e) Merits of interview.
- f) Entries in research diary.

SRNJ23-06

Total No. of Printed Pages:01

Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-09 : Assessment and Evaluation

[Time: 2 Hours]**[Max. Marks:65]**

- Instructions:** 1. All questions are **compulsory**
 2. Use of a simple calculator is **Allowed**.

1. Answer **any one** of the following in about **400** words. **(1 x 12=12)**
 a) Explain in detail the Revised Bloom's Taxonomy.
 b) What is performance assessment? Discuss the steps that you would follow in designing a performance task.

2. Answer **any one** of the following in about **400** words. **(1 x 12=12)**
 a) Discuss the steps involved in preparing a teacher-made achievement test.
 b) How does collaborative and cooperative learning as group processes help in assessment for learning?

3. Answer **any four** of the following in **200** words each. **(4 x 5=20)**
 a) Differentiate between true ability and observed ability.
 b) Explain the use of projects as an assessment device.
 c) How do constructivists differ from the objectivists in their approach to assessment?
 d) Calculate the mean for the following dataset:

Class	1-5	6-10	11-15	16-20	21-25
Frequency	4	5	12	6	3

- e) Describe the measures of central tendency through examples.
 f) Explain the significance of rubrics as an evaluation tool.
4. Write short notes on **any seven** of the following in about **100** words each. **(7x3=21)**
 a. Assessment as Learning.
 b. Feedback to stakeholders.
 c. Advantages of CCE.
 d. Non-detention policy in school.
 e. Characteristics of a good assessment tool.
 f. Self-assessment.
 g. Use of question bank.
 h. Open book test.
 i. Recent trends in assessment.

Total No. of Printed Pages:01

**Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-13 : Environment Education**

[Time:1 Hours]

[Max. Marks:30]

Instructions:All questions are compulsory.

1. Answer **any 3** in about 200 words. **(3x5=15)**
 - a) Explain the meaning of Sustainable development. What are the objectives of Education for Sustainable Development?
 - b) Discuss with examples how projects can create awareness about environmental protection and conservation.
 - c) Explain the measures to reduce the loss of biodiversity and threats to habitats.
 - d) Discuss the various environmental problems and challenges that have an impact on the life on earth?

2. Answer **any 5** in about 100 words. **(5x3=15)**
 - a) Effects of acid rain on biotic and abiotic factors in an ecosystem.
 - b) Outcomes of Apiko Andolan.
 - c) Importance of nature trails.
 - d) List some wholesome alternative life styles that are environment friendly.
 - e) Types of renewable and non- renewable resources.
 - f) Achievements of Project Rhino.

SRNJ23-07

Total No. of Printed Pages:01

**Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-11: Inclusive Education**

[Time:1 Hours]

[Max. Marks:30]

1. Answer **any three** questions out of four in 200 Words. **(3x5=15)**
 - a) As a teacher how will you identify the children with Learning Disability. List out the different teaching learning activities to help them.
 - b) Differentiate between Life Skill Resource Room and Academic Skills Resource Room based on their components and activities.
 - c) Describe with relevant examples how alternative evaluation systems can be used for children with disability.
 - d) Discuss the barriers for Inclusion with relevant examples.
2. Write short notes on **any five** of the following in 100 words. **(5x3=15)**
 - a) Text Book modification for differently abled.
 - b) Goa Children's Act 2003.
 - c) Educational challenges for visually impaired children.
 - d) Medical model of Inclusion.
 - e) Activities for sensitization on Inclusion.
 - f) Characteristics of scholastically backward children.

SRNJ23-14

Total No. of Printed Pages:01

Second Year B. Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08 : Subject Pedagogies Methodology of Teaching: History

[Time: 2:30 Hours]

[Max. Marks:75]

Q.1. Answer any ONE of the following in 400 words.

(12 marks)

- a. Highlight the structure, purpose and approach of National Curriculum in History. Discuss how this curriculum is different from earlier curriculum in History.
- b. What are different types of sources in History? Discuss different techniques of using sources in teaching.

Q.2. Answer any ONE of the following in 400 words.

(12 marks)

- a. How does a good lesson plan ensure a good lesson execution? Justify your answer.
- b. Discuss the importance of self-assessment of history teacher. Suggest various means of self-assessment.

Q.3. Answer any five of the following in 250 words each.

(5 X 6= 30)

- a. Describe the levels of Cognitive domain giving examples from History test item.
- b. In what way unit planning is different from lesson planning? Discuss the need of unit planning.
- c. What is the purpose of the lesson 'Role of Government in Health'? Show how this purpose is taken care of in this lesson.
- d. What is the lesson 'From Trade to Territory' (Std VIII) all about? Write a plan of set induction to introduce this lesson.
- e. What is Historical empathy? Discuss ways and means of teaching historical empathy.
- f. Why do you think History teacher should join History Teachers' Association?
- g. Discuss different types of sources used by historians to construct history.

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

(7X3= 21)

- a. Nature of History.
- b. Need of diagnostic testing in History.
- c. Use of ICT in teaching.
- d. Principles/rules of preparing Relationship test in History.
- e. Need of teaching Values in History.
- f. Characteristics of a good History text book.
- g. Role of state and central government in designing history curriculum.
- h. Importance of teaching Secularism.
- i. Merits of short answer types test items in question paper.

SRNJ23-17

Total No. of Printed Pages:01

Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: English

[Time:2:30 Hours]

[Max. Marks:75]

Instructions:All questions are compulsory.

Q1 Answer any one of the following in about 400 words. (1x12=12)

- A) Explain the Concept of Teaching Writing in English Language Teaching (ELT) and suggest five graded activities for enhancing the Writing Skills of L2 Learners.
- B) What kind of activities would you undertake to achieve the objectives of Activity Based Learning (ABL) lesson plan? Substantiate your answer using appropriate examples.

Q2 Answer any one of the following in about 400 words. (1x12=12)

- A) As a Teacher, what components would you keep in mind while constructing a Unit Test? Elaborate on the procedure of Test Planning in ELT.
- B) Describe the Concept of Receptive Skills in ELT. Suggest five graded activities for enhancing any one of the Receptive Skills.

Q3 Answer any five of the following in about 250 words. (5x6=30)

- a) English is a link National and International Language. Elaborate.
- b) Discuss the importance of using Communicative Methodology for Teaching English Grammar.
- c) Justify the use of Computer Assisted Language Learning (CALL) in enhancing the language abilities of L2 Learners?
- d) Differentiate between Prescriptive and Descriptive Grammar.
- e) How do Assignments and Projects contribute to the authentic assessment of L2 learners?
- f) Differentiate between Prose and Poetry based on their purpose in ELT.
- g) Describe the Lower Order Thinking Skills (LOTS) from the Cognitive Domain.

Q4 Answer any seven of the following in about 100 words. (7x3=21)

- a) Any three strategies for developing Critical Thinking.
- b) Stages of CPD framework.
- c) Any three graded activities for Remediation of Slow Learners.
- d) Steps in teaching Letter Writing.
- e) Any three techniques for enhancing Speaking Skills.
- f) Characteristics of Pedagogic Grammar.
- g) The concept of a Blue Print in ELT.
- h) Importance of Annual Planning.
- i) Stages of Lesson Planning.

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Second Year B. Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: Geography

[Time: 2:30 Hours]

[Max. Marks:75]

Q1 Answer any one of the following in **400** words. (1 X 12 = 12)

- a) Prepare a lesson Plan on any of topic from Geography Curriculum at secondary school level.
- b) what is the significance of studying local Geography? Discuss the methods to be employed when helping students to study local Geography.

Q2 Answer any one of the following in **400** words. (1 X 12 = 12)

- a) Elaborate upon the specific qualities of a Geography teacher that would enhance his/her Geography teaching.
- b) How would you Correlate the Geography teaching with History and science? Illustrate by giving suitable examples.

Q3 Answer any five of the following in about **250** words. (5 X 6 = 30)

- a) Discuss the advantages and disadvantages of using maps and globes in the class.
- b) Differentiate between projected and non- projected aids of teaching Geography.
- c) How is an essay type test different from an objective type test in Geography?
- d) what is year plan? Explain the important points which will be considered while preparing a year plan.
- e) Explain the need of a separate Geography room for teaching-learning process.
- f) Discuss the importance of teaching Geography in day to day life.
- g) Discuss the merits and demerits of project Method.

Q4 Write short answers on any seven of the following in about **100** words. (7 X 3 = 21)

- a) Meaning of Geography with two definitions.
- b) Nature of Geography.
- c) Phases of excursion Method.
- d) concept of Latitudes and Longitudes.
- e) Qualities of a good question paper.
- f) Totality of environment.
- g) Causes of environmental degradation.
- h) Major Physical divisions of India.
- i) Resources and occupation of Goa.

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Second Year B.Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: Hindi

[Time: 2:30 Hours]

[Max. Marks:75]

Instructions:सारे प्रश्न अनिवार्य हैं।

Q1 निम्नलिखित किसी एक प्रश्न का उत्तर लगभग ४०० शब्दों में लिखिए। (१x १२=१२)

अ) "स्वाध्याय से अज्ञान और अविद्या का आवरण हटने लगता है"। स्वाध्याय की विशेषताओं को ध्यान में रखते हुए आप किस तरह के स्वाध्याय देंगे स्पष्ट कीजिए।

आ) "बाल साहित्य न केवल नया ज्ञान प्रदान करती है - बच्चों की शब्दावली को समृद्ध करके और उनके संचार कौशल को बढ़ाकर भावनात्मक समर्थन भी सुनिश्चित करती है"। विधान की चर्चा सोदाहरण स्पष्ट कीजिए।

Q2 निम्नलिखित किसी एक प्रश्न का उत्तर लगभग ४०० शब्दों में लिखिए। (१x १२=१२)

क) "अशुद्ध उच्चारण की समस्याओं का उल्लेख करते हुए, उनके निवारण के विभिन्न उपायों की विवेचना कीजिए।

ख) "निदानात्मक एवं उपचारात्मक शिक्षण दोनों एक ही सिक्के के दो पहलू के समान हैं, बिना एक दूसरे के दोनों अधूरे हैं। विधान की चर्चा सोदाहरण स्पष्ट कीजिए।

Q3 निम्नलिखित किन्हीं ५ प्रश्नों के उत्तर लगभग २५० शब्दों में लिखिए। (५x६ =३०)

ट) भाषा शिक्षण में अगर खेल की मदद ली जा सके तो बच्चों की भागीदारी खुद-ब-खुद सुनिश्चित हो जाएगी और साथ ही इसमें आ जाएगा रोमांच और उत्साह। विधान को ध्यान में रखते हुए भाषिक खेल सुझाइए।

ठ) शिक्षण की सफलता उसके वार्षिक नियोजन पर आधारित रहती है। प्रक्रिया स्पष्ट कीजिए।

ड) जीवन में भाषा का महत्व स्पष्ट कीजिए।

ढ) अभ्यासानुवर्ती उपक्रमों द्वारा बालकों को मनोवैज्ञानिक आवश्यकताओं की पूर्ति आप किस तरह करेंगे ? उदाहरण सहित उपक्रम स्पष्ट कीजिए।

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- ण) अंतर्जाल आज के कंप्यूटर युग की बेमिसाल उपलब्धि है, उपयोगिता तथा त्रुटियों पर प्रकाश डालिए।
- त) भारत में हिंदी भाषा यह संपर्क भाषा के रूप में रही है, क्या आप इस बात से सहमत हैं? क्यों ? विवेचन कीजिए।
- थ) व्याकरण पाठ के लिए उद्गामी पद्धति अपेक्षाकृत अधिक उचित है स्पष्ट कीजिए।

Q4 निम्नलिखित किन्हीं **७ प्रश्नों** पर लगभग **१००** शब्दों में टिप्पणी कीजिए।

(७x३ =२१)

- प) वस्तुनिष्ठ प्रश्न प्रकार।
- फ) आदर्श हिन्दी भाषा अध्यापक के गुण।
- ब) तीन आयामी तक्ता।
- भ) हिन्दी भाषा अध्यापन में संप्रेषणात्मक प्रणाली।
- म) रिपोर्ट लेखन का अर्थ।
- य) हिन्दी भाषा अध्यापन के किन्हीं ३ सूत्र।
- र) सतत और व्यापक मूल्यांकन।
- ल) पाठ्यपुस्तक के अन्तरंग।
- व) नाट्यीकरण अध्यापन पद्धति की परिणामकारकता।

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Second Year B. Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: Konkani
कोंकणी भाशा अध्यापन शिक्षण

[Time: 2:30 Hours]

[Max. Marks:75]

सुचोवणी: सगळे प्रस्न अनिवार्य आसात.

प्रस्न 1. सकयल दिल्ल्या खंयच्याय एका प्रस्नाची जाप सुमार ४०० उतरांनी बरयात. (१x १२=१२)

क) " भाशीक खेळ विशया विश आकर्शण वाडयतात." हें विधान, भाशीक खेळांचें म्हत्व पटोवन स्पश्ट करात आनी आठवेच्या विद्यार्थ्या खातीर तरेकवार भाशीक खेळ सुचयात.

ख) " शिक्षणीक साधनां वरवीं पाठांक मूर्त स्वरुप दिवन, प्रभावी अध्यापन करप शक्य जाता." ह्या विधानाचेर तरेकवार शिक्षणीक उपकरणांच्या आदारान, योग्य देखीं सयत चर्चा करात.

प्रस्न 2. सकयल दिल्ल्या खंयच्याय एका प्रस्नाची जाप सुमार ४०० उतरांनी बरयात. (१x १२=१२)

ग) अभ्यासक्रमांत विद्यार्थ्यांक पाठ्यपुस्तक कित्याक म्हत्वाचें हें सांगून, कोंकणी विशयाचें आदर्श पाठ्यपुस्तक कशें आसचें हाचेर पाठ्यपुस्तकाचें अंतरंग आनी बहिरंग लक्षांत दवरुन चर्चा करात.

घ) वाचन कौशल दोश वा लेखन कौशल दोश हातूंतलो **खंयचोय एक** विशय निवडून, त्या कौशल दोशां संबंदीतची कारणां बरोवन, उपचारी शिक्षण तुमी कशे दितले, हाचेर भासाभास करात आनी योग्य उपाय सुचयात.

प्रस्न 3. सकयल दिल्ल्या खंयच्याय पांच प्रस्नांच्यो जापो प्रत्येकी सुमार २५० उतरांनी बरयात. (५x६= ३०)

च) एका आदर्श कोंकणी शिक्षकाचें अध्यापन कौशल्य कशें आसचें, हाचेर सविस्तर चर्चा करात.

छ) नाट्यीकरण प्रणाली वा प्रकल्प पद्दत - हातूंतली **खंयचीय एक** पद्दत निवडून भाशा अध्यापनांत ती कित्याक वापरची, हाचेर भासाभास करात.

ज) "आवयभाशेक अभ्यासक्रमांत अनन्यसादारण म्हत्व फावो जाता ". हें विधान योग्य कारणां सयत स्पश्ट करात.

झ) कोंकणी विशयाची लिखीत प्रस्न पत्रिका तयार करपाचें तंत्र स्पश्ट करात.

ट) कोंकणी भाशा अध्यापनांत, 'संकल्पना प्राप्ती प्रतिमान' तुमी कशे तरेन वापरतले, हाचेर एके देखी सयत चर्चा करात.

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ठ) स्वाध्याय उपक्रमातली शिक्षकाची भुमिका सविस्तर स्वरुपांत स्पश्ट करात.

ड) विद्यार्थ्यांची विद्यालयीन जीण रंजकतायेन भरून तांचो सर्वांगीण विकास करपाक अभ्यासानुवर्ती कार्यक्रम हातभार लायतात " ह्या विधाना संबंदीत सविस्तर योग्य देखीं सयत चर्चा करात.

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

(७x ३=२१)

अ) कोंकणी भाशेंचीं अध्ययन अध्यापन तत्वां बरयात.

आ) अभ्यासक्रमाच्या वर्सुकी नियोजनाचें म्हत्व बरयात.

इ) मौखीक परिक्षेचे विद्यार्थ्यांक जावपी फायदे बरयात.

ई) 'उद्गामी प्रणाली' ही अवगामी प्रणाली परस कशी वेगळी आसा हाचेर योग्य मुद्दे मांडात.

उ) भाशाध्यापनाच्या सुत्रांची वळेरी करुन, खंयचीय दोन सुत्रां योग्य देखींसयत स्पश्ट करात.

ऊ) ज्ञानात्मक क्षेत्रातली 'ब्लूम हांची सुदारीत उद्दिश्टांची उतरंड' लक्षांत दवरुन, काणी लेखन पाठाच्या खंयच्याय तीन उद्दिश्टांचेर उजवाड घालात.

ए) कृती केंद्रीत अध्यापनाचें म्हत्व बरयात.

ऐ) सतत सर्वसमावेशक मुल्यांकनाचे विद्यार्थ्यांक जावपी फायदे बरयात.

ओ) कोंकणी भाशेचो प्रचार प्रसार वाडोवंक योग्य सुचोवण्यो दियात.

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Total No. of Printed Pages:01

Second Year B. Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: Mathematics

[Time: 2:30 Hours]

[Max. Marks:75]

Instructions: All questions are compulsory.

Q1 Answer any one of the following in about **400** words. **(1 x 12=12)**

- a) Discuss Gagne's Hierarchical levels of learning with suitable examples and enumerate its educational implications.
- b) Explain the Inductive-Deductive method of teaching Mathematics with respect to following points.
 - i) Objectives ii) steps with examples iii) Advantages & limitations iv) Teachers Role

Q2 Answer any one of the following in about **400** words: **(1 x 12=12)**

- a) What do you mean by "Learning Resources"? Explain any three learning resources for teaching Mathematics at secondary level with an example.
- b) Evaluate the use of Discovery method of teaching Mathematics and illustrate it with suitable examples.

Q3 Answer any five of the following in about **250** words. **(5 x 6=30)**

- a) Differentiate between Analytic-Synthetic methods and illustrate their use by taking any two examples.
- b) Evaluate the use of the Teacher-Made test in Mathematics.
- c) Illustrate the correlation between Mathematics and Science with suitable examples?
- d) How can a teacher use constructivism in teaching Mathematics and in assessment of achievement?
- e) Why are question banks important in the assessment of Mathematical achievement?
- f) As a Mathematics teacher how will you carry out diagnosis and remedial instructions?
- g) Evaluate the two approaches to Mathematics curriculum development.

Q4 Write short notes on any seven of the following in about **100** words. **(7 x 3=21)**

- a) Computer Aided Instructions.
- b) Problem posing.
- c) Purpose of assessment.
- d) Qualities of good Mathematics Teacher.
- e) Concept formation and concept assimilation.
- f) Role of Mathematics Teachers Association.
- g) Assignments.
- h) Investigative approach.
- i) Merits of Heuristic method.

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Total No. of Printed Pages:02

Second Year B. Ed.
EXAMINATION JUNE 2023
EDU-07 & EDU-08: Subject Pedagogies Methodology of Teaching: Science

[Time: 2:30 Hours]

[Max. Marks:75]

Instructions: All questions are compulsory.

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

1X12=12

- a. Explain basic science process skills with suitable examples and elaborate its role in teaching and learning science.
- b. Elicit the difference between constructivist and objectivist approach to teaching science with suitable example.

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

1X12=12

- a. Describe the role of performance assessment in science teaching and also mention different tools used for performance assessment.
- b. What is Inquiry Training Model? How can Inquiry Training Model make teaching science more effective? Cite suitable example.

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

5X6=30

- a. Write a brief lesson plan with the help of TWA strategy using any suitable topic.
- b. Briefly describe the phases of Concept Attainment Model by citing suitable example.
- c. Design a rubric for assessing science projects and describe its importance.
- d. Cite examples of science as a process and a product.
- e. Describe the use of Graphic organisers and worksheets to enhance Science teaching using suitable examples
- f. Explain the use of any three Kagan Cooperative Learning structures by citing suitable examples.
- g. How can science debates and discussions be beneficial for science students? Cite examples of topics in science that can be used for debates.

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

7X3=21

- a. Use of whiteboard/smartboard to enhance science teaching.
- b. Mention any 3 principles of brain-based teaching strategy.
- c. Frame higher order questions for any suitable topic using Revised Bloom's Taxonomy.
- d. Ways to enhance Scientific and Technological Literacy (STL) among students.
- e. Objectives of teaching science teaching at secondary level.
- f. Cite any three web 2.0 tools and its use for science learners.
- g. Importance of Correlation of science and other school subjects.
- h. Benefits of Drama and Music in teaching and learning science.
- i. Design a checklist for assessment of laboratory work.