

Subject : EDU-15.7 Advanced Studies : Curriculum and Pedagogic Courses - Mathematics Education |

Q1: Interactive phase of microteaching is otherwise known as

Opt. 1 : knowledge acquisition phase	Opt. 2 : Skill acquisition phase ✓
Opt. 3 : Transfer phase	Opt. 4 : Value acquisition phase

Q2: Lilavati was composed by

Opt. 1 : Ramanuja	Opt. 2 : Aryabhata
Opt. 3 : Bhaskaracharya ✓	Opt. 4 : Brahmagupta

Q3: Which among the following is not the characteristic of a teacher?

Opt. 1 : Lifelong Learner	Opt. 2 : Researcher
Opt. 3 : Reflective Practitioner	Opt. 4 : Work for salary ✓

Q4: A learning disorder that disrupts math related skills and abilities

Opt. 1 : Dyslexia	Opt. 2 : Dysgraphia
Opt. 3 : Dyscalculia ✓	Opt. 4 : Dyspraxia

Q5: What is the full form of MOOC?

Opt. 1 : Massive Open Online Course ✓	Opt. 2 : Massive Online Office Course
Opt. 3 : Most organised Online Course	Opt. 4 : Main Open Online Course

Q6: "Curriculum is a tool in the hands of the artist(teacher) to mould his material(the pupil) in accordance with his ideals in his studio". who said this?

Opt. 1 : Alberty

Opt. 2 : Cunningham ✓

Opt. 3 : Robert Beck

Opt. 4 : Walter Cook

Q7: Inquiry Training Model belongs to

Opt. 1 : Information Processing Model ✓

Opt. 2 : Personal Model

Opt. 3 : Social Interaction Model

Opt. 4 : Behavioural Model

Q8: Statements formed by meaningfully linking two or more concepts

Opt. 1 : Facts

Opt. 2 : Principles ✓

Opt. 3 : Process

Opt. 4 : Theorem

Q9: An assessment used to monitor learning progress during interaction and to provide feed back to both students and teachers concerning learning, success and failures

Opt. 1 : Formative Assessment ✓

Opt. 2 : Summative Assessment

Opt. 3 : Continuous Assessment

Opt. 4 : Diagnostic Assessment

Q10: The modern study of set theory was initiated by

Opt. 1 : Pythagoras

Opt. 2 : Euclid

Opt. 3 : George Cantor ✓

Opt. 4 : Rene Descartes

Q11: If a teacher can organize variety of activities such as storytelling, singing, games, making teaching- learning process joyful, participation and relevant, the teacher possess

Opt. 1 : Contextual competency

Opt. 2 : Conceptual competency

Opt. 3 : Transactional competency ✓

Opt. 4 : Management competency

Q12: What is SWAYAM?

Opt. 1 : Study Webs of Active- Learning for Young Aspiring Minds ✓

Opt. 2 : Study Webs of Action- Learning for Young Aspiring Minds

Opt. 3 : Students Webs of Active - Laws for Young Aspiring Minds

Opt. 4 : Students Webs of Action - Learning for Young Aspiring Minds

Q13: The guidelines for 50 hours of Continuous Professional Development is given by

Opt. 1 : NCERT ✓

Opt. 2 : UGC

Opt. 3 : CIET

Opt. 4 : NIEP

Q14: An approach to teaching that gives pupils a deep, long term, secure and adaptable understanding of mathematics

Opt. 1 : Principle teaching

Opt. 2 : Surface learning

Opt. 3 : Deep learning

Opt. 4 : Mastery learning ✓

Q15: Concept mapping is developed by

Opt. 1 : Bruner

Opt. 2 : Crowder

Opt. 3 : Dave

Opt. 4 : Novak ✓

Q16: To learn mathematics focussing on activities resulting from self- satisfaction rather than by external incentives is

Opt. 1 : Achievement motivation

Opt. 2 : Recreational motivation

Opt. 3 : Intrinsic motivation ✓

Opt. 4 : Extrinsic motivation

Q17: Mathematics Olympiad is conducted by

Opt. 1 : NTA

Opt. 2 : HBCSE ✓

Opt. 3 : NCERT

Opt. 4 : CBSE

Q18: A student is considered as mathematically gifted student if he/she

Opt. 1 : Remain passive for most time in the classroom

Opt. 2 : Shows consistent remarkable interest and achievement in mathematics ✓

Opt. 3 : Lacks imagination

Opt. 4 : Is not creative in his/her thinking

Q19: An assessment that looks for whether a particular level of learning proficiency is achieved or not is

Opt. 1 : Continuous assessment

Opt. 2 : Formative assessment

Opt. 3 : Summative assessment ✓

Opt. 4 : Graded assessment

Q20: The Sum of the outer angles of a triangle is.....

Opt. 1 : 360° ✓

Opt. 2 : 180°

Opt. 3 : 120°

Opt. 4 : 240°

Q21: An instruction which is either partly or entirely based on modules

Opt. 1 : Modular learning ✓

Opt. 2 : Web based learning

Opt. 3 : M learning

Opt. 4 : Programmed learning

Q22: Which of the following is not a part of achievement test

Opt. 1 : Blue print

Opt. 2 : Scoring key

Opt. 3 : Question wise analysis

Opt. 4 : Remedial teaching ✓

Q23: An electronic/online resource that acts to record, save and archive the artefacts of learning and reflection for an individual learner

Opt. 1 : e portfolio ✓

Opt. 2 : e mail

Opt. 3 : webpage

Opt. 4 : blog

Q24: STEM is associated with

Opt. 1 : Multiple choice item ✓

Opt. 2 : Completion Type item

Opt. 3 : Short answer type item

Opt. 4 : Essay type item

Q25: Social Constructivism was developed by

Opt. 1 : Jean Piaget

Opt. 2 : Lev Vygotsky ✓

Opt. 3 : Jerome S Bruner

Opt. 4 : Perry

Q26: The space between what a learner is capable of doing unsupported and what the learner cannot do even with support

Opt. 1 : Zone of Principal Development

Opt. 2 : Zone of Productive Development

Opt. 3 : Zone of Proximal Development ✓

Opt. 4 : Zone of Proximity Development

Q27: Father of constructivist view of learning

Opt. 1 : Jean Piaget ✓

Opt. 2 : Lev Vygotsky

Opt. 3 : Jerome S. Bruner

Opt. 4 : Skinner

Q28: Founder of Inquiry Training model

Opt. 1 : J.S. Bruner

Opt. 2 : David Ausubel

Opt. 3 : Sigmund Freud

Opt. 4 : Richard. S. Suchman ✓

Q29: A cooperative learning technique consisting in the formation of small discussion groups with the objective of developing a specific task like problem solving

Opt. 1 : Jigsaw

Opt. 2 : Brainstorming

Opt. 3 : Buzz section ✓

Opt. 4 : STAD

Q30: Which one of the following is not a step in Herbartian lesson planning

Opt. 1 : Planning ✓

Opt. 2 : Preparation

Opt. 3 : Presentation

Opt. 4 : Generalization

Q31: David P. Ausubel propounded

Opt. 1 : Inductive Thinking Model

Opt. 2 : Inquiry Training Model

Opt. 3 : Concept Attainment Model

Opt. 4 : Advanced Organiser Model ✓

Q32: Concept Attainment Model was developed by

Opt. 1 : Jean Piaget

Opt. 2 : Richard Suchman

Opt. 3 : Jerome S. Bruner ✓

Opt. 4 : David P. Ausubel

Q33: The pioneer of branched programming or intrinsic method of programming

Opt. 1 : Skinner

Opt. 2 : Pavlov

Opt. 3 : Norman A.Crowder ✓

Opt. 4 : Thorndike

Q34: A systematic step by step self- instructional programme aimed to ensure the learning of stated behaviour

Opt. 1 : Programmed instruction ✓

Opt. 2 : Computer managed instruction

Opt. 3 : Modular instruction

Opt. 4 : Self instruction

Q35: To combine the constituent elements to produce something new is

Opt. 1 : Analysis

Opt. 2 : Synthesis ✓

Opt. 3 : Induction

Opt. 4 : Deduction

Q36: Project method was developed by

Opt. 1 : H.E. Armstrong

Opt. 2 : J.A.Stevenson

Opt. 3 : Dr.Kilpatrick ✓

Opt. 4 : John Dewey

Q37: Which of the following method is not suitable for classroom teaching of mathematics at lower classes?

Opt. 1 : Inductive method

Opt. 2 : Deductive method

Opt. 3 : Lecture method ✓

Opt. 4 : Heuristic method

Q38: The argument that "To prove that B is true, if A is true, it is sufficient to prove that A is true" is in

Opt. 1 : Analytic method ✓

Opt. 2 : Synthetic method

Opt. 3 : Inductive method

Opt. 4 : Deductive method

Q39: In which method we proceed from particular to general

Opt. 1 : Analytic method

Opt. 2 : Synthetic method

Opt. 3 : Inductive method ✓

Opt. 4 : Deductive method

Q40: Specific instructional skills that a teacher may use in his/her classroom

Opt. 1 : Teaching skills ✓

Opt. 2 : simulation skills

Opt. 3 : HOT skills

Opt. 4 : 21st century skills

Q41: The sum total of all educational experiences that a children have in school is

Opt. 1 : Unit plan

Opt. 2 : Curriculum ✓

Opt. 3 : Syllabus

Opt. 4 : Lesson plan

Q42: If a student writes popular articles on mathematics topics for schools magazines, under which domain it will come

Opt. 1 : Cognitive domain

Opt. 2 : Affective domain ✓

Opt. 3 : Psychomotor doamin

Opt. 4 : None of the above

Q43: Which one of the following knowledge is added to knowledge dimension of Revised Bloom's Taxonomy

Opt. 1 : Factual knowledge

Opt. 2 : Metacognitive knowledge ✓

Opt. 3 : Conceptual knowledge

Opt. 4 : Procedural knowledge

Q44: The highest order objective in revised Bloom's taxonomy

Opt. 1 : Analyse

Opt. 2 : Synthesise

Opt. 3 : Evaluate

Opt. 4 : create ✓

Q45: Bloom's taxonomy of educational objectives consists of

Opt. 1 : One domain

Opt. 2 : Two domains

Opt. 3 : Three domains ✓

Opt. 4 : Four domains

Q46: Which of the following is a component skill of stimulus variation

Opt. 1 : Stimulating questions

Opt. 2 : Fluency

Opt. 3 : Prompting

Opt. 4 : Teacher gesture ✓

Q47: A scaled down teaching encounter in class size and class time

Opt. 1 : Microteaching ✓

Opt. 2 : Role play

Opt. 3 : Simulated teaching

Opt. 4 : Brainstorming

Q48: Creativity and originality can be developed by

Opt. 1 : Drill work

Opt. 2 : peer tutoring

Opt. 3 : Brainstorming ✓

Opt. 4 : Team teaching

Q49: A platform that supports online based projects among schools of European countries

Opt. 1 : SWAYAM

Opt. 2 : MOOC

Opt. 3 : e-twinning ✓

Opt. 4 : e-learning

Q50: National Talent Search Examination is conducted by

Opt. 1 : UGC

Opt. 2 : NCERT ✓

Opt. 3 : NCTE

Opt. 4 : NTA
