

**Subject : EDU-15.9 Advanced Studies : Curriculum and Pedagogic Courses -
Natural Science Education |**

Q1: The practice of commercially exploiting naturally occurring biochemical or genetic material, especially by obtaining patents that restrict its further use, while failing to pay fair compensation to the community from which it originates is _____

Opt. 1 : biopiracy ✓

Opt. 2 : biomagnifications

Opt. 3 : biodegradation

Opt. 4 : biodiversity

Q2: National Science Day is celebrated on -

Opt. 1 : February 22

Opt. 2 : February 28 ✓

Opt. 3 : June 21

Opt. 4 : December 21

Q3: What does CPD mean?

Opt. 1 : Continuing Professional Development ✓

Opt. 2 : Continued Professional Development

Opt. 3 : Continuing Professional Degree

Opt. 4 : Continuing Program Development

Q4: Which among the following is a tool used for evaluation ?

Opt. 1 : case study

Opt. 2 : check list ✓

Opt. 3 : sociometry

Opt. 4 : observation

Q5: The kind of competency that involves knowledge, curriculum and methodologies is -

Opt. 1 : educational competency

Opt. 2 : technological competency

Opt. 3 : managerial competency

Opt. 4 : subject competency ✓

Q6: Insect pest resistant in BT Cotton plant was developed by -

Opt. 1 : micro propagation

Opt. 2 : transgenic technology ✓

Opt. 3 : soma clonal variation

Opt. 4 : somatic hybridization

Q7: Mendel's law are true because it takes place in -

Opt. 1 : sexually and asexually reproducing plants

Opt. 2 : apomictic reproducing plants

Opt. 3 : asexually reproducing plants

Opt. 4 : sexually reproducing plants ✓

Q8: The aim of micro-teaching is -

Opt. 1 : to create simulated situations

Opt. 2 : to strengthen educational institutions

Opt. 3 : to modify student behaviour

Opt. 4 : to modify teacher behaviour ✓

Q9: Curriculum embodies all the experiences which are utilized by the school to attain the aims of education- is said by _____

Opt. 1 : Cunningham

Opt. 2 : Munroe ✓

Opt. 3 : Laswell

Opt. 4 : Horne

Q10: Modern technological teaching support system emphasizes -

Opt. 1 : smart boards ✓

Opt. 2 : green boards

Opt. 3 : maps

Opt. 4 : charts

Q11: Which ethical principle emphasizes fairness and impartiality ?

Opt. 1 : honesty

Opt. 2 : confidentiality

Opt. 3 : justice ✓

Opt. 4 : accountability

Q12: CCE is a process of assessment mandated by -

Opt. 1 : RTE ✓

Opt. 2 : NCTE

Opt. 3 : UGC

Opt. 4 : CBSE

Q13: Turner's syndrome in humans is caused by -

Opt. 1 : Polyploidy

Opt. 2 : Point mutation

Opt. 3 : Sex chromosomal aneuploidy ✓

Opt. 4 : autosomal aneuploidy

Q14: The genes controlling seven traits in Pea plants studies by Mendel were actually located on -

Opt. 1 : 4 chromosomes ✓

Opt. 2 : 5 chromosomes

Opt. 3 : 6 chromosomes

Opt. 4 : 7 chromosomes

Q15: Projects, rating scales, rubrics, discussion, collaboration and participation are applied for -

Opt. 1 : summative evaluation

Opt. 2 : formative evaluation ✓

Opt. 3 : achievement test

Opt. 4 : prognostic Test

Q16: In Bloom's Taxonomy co-ordination, strength, manipulation and speed are developed through -

Opt. 1 : cognitive domain

Opt. 2 : affective domain

Opt. 3 : pyscho motor domain ✓

Opt. 4 : process domain

Q17: A good lecture provides -

Opt. 1 : creative thinking

Opt. 2 : real experience

Opt. 3 : active participation of learners

Opt. 4 : better scope for clarification ✓

Q18: The most effective tool to assess values and attitude of learners is -

Opt. 1 : summative test

Opt. 2 : anecdotal record

Opt. 3 : portfolio ✓

Opt. 4 : unit test

Q19: A model of teaching is meant for -

Opt. 1 : substituting teachers

Opt. 2 : recording student activities

Opt. 3 : creating suitable learning environments ✓

Opt. 4 : student's evaluation

Q20: The SWAYAM initiative was launched by -

Opt. 1 : MHRD ✓

Opt. 2 : RMSA

Opt. 3 : RUSA

Opt. 4 : NCERT

Q21: The BSCS text book developed on the basis of Ecological Evolutionar approach is -

Opt. 1 : Green version ✓

Opt. 2 : Yellow version

Opt. 3 : Blue version

Opt. 4 : Patterns and processes

Q22: The number of types of projects classified by Kilpatrick -

Opt. 1 : 2

Opt. 2 : 3

Opt. 3 : 4 ✓

Opt. 4 : 5

Q23: A competitive examination conducted by Pareekshabhavan _____

Opt. 1 : NET

Opt. 2 : SET

Opt. 3 : CTET

Opt. 4 : KTET ✓

Q24: A systematic training to provide feedback to teacher-trainee for the modification of teacher behaviour is _____

Opt. 1 : remedial teaching

Opt. 2 : diagnostic testing

Opt. 3 : micro-teaching ✓

Opt. 4 : lesson planning

Q25: Which ion mainly holds the Ribosomal sub units together?

Opt. 1 : Ca^{+2}

Opt. 2 : Mg^{+2} ✓

Opt. 3 : Mn^{+2}

Opt. 4 : Na^{+}

Q26: The main function of lysosomes is _____

Opt. 1 : replication

Opt. 2 : digestion ✓

Opt. 3 : translocation

Opt. 4 : translation

Q27: Klinefelter's syndrome has -

Opt. 1 : $66+\text{XXY}$

Opt. 2 : $45+\text{XY}$

Opt. 3 : $44+\text{XXY}$ ✓

Opt. 4 : $44+\text{XO}$

Q28: One can be a good teacher if he/she -

Opt. 1 : knows his/her subject

Opt. 2 : has genuine interest in teaching

Opt. 3 : knows how to control students

Opt. 4 : all of the above ✓

Q29: Which type of thinking will promote creativity ?

Opt. 1 : reflective

Opt. 2 : deductive

Opt. 3 : convergent

Opt. 4 : divergent ✓

Q30: The expected outcomes of a teaching learning process is based on _____

Opt. 1 : pedagogy

Opt. 2 : learning

Opt. 3 : objectives ✓

Opt. 4 : evaluation

Q31: Greater emphasis to the problem area is given in _____

Opt. 1 : diagnostic test ✓

Opt. 2 : achievement test

Opt. 3 : summative test

Opt. 4 : post test

Q32: Higher order thinking skills are used for _____

Opt. 1 : concept attainment

Opt. 2 : concept generation ✓

Opt. 3 : fact attainment

Opt. 4 : knowledge attainment

Q33: NTSE to change the texture of education in the country is under the control of _____

Opt. 1 : UGC

Opt. 2 : NCTE

Opt. 3 : NCERT ✓

Opt. 4 : SCERT

Q34: An example of molecular mutation is -

Opt. 1 : erythroblastosis foetalis

Opt. 2 : hemophilia

Opt. 3 : anemia

Opt. 4 : sickle cell anemia ✓

Q35: The first genetically engineered Human insulin was launched in the year -

Opt. 1 : 1990

Opt. 2 : 1993

Opt. 3 : 1983 ✓

Opt. 4 : 1975

Q36: Mendelian recombinations are due to -

Opt. 1 : crossing over

Opt. 2 : independent assortment ✓

Opt. 3 : pleiotropy

Opt. 4 : mutation

Q37: An exception to cell theory is -

Opt. 1 : virus ✓

Opt. 2 : algae

Opt. 3 : mycoplasma

Opt. 4 : protistans

Q38: Salk vaccine is used to combat _____

Opt. 1 : AIDS

Opt. 2 : Polio ✓

Opt. 3 : Rabies

Opt. 4 : Herpes

Q39: Hemophilia is more common in males because it is _____

Opt. 1 : recessive trait carried by Y-chromosome

Opt. 2 : dominant trait carried by Y-chromosome

Opt. 3 : recessive trait carried by X-chromosome ✓

Opt. 4 : dominant trait carried by X-chromosome

Q40: In Bloom's Digital Taxonomy- comparing, organizing and deconstructing comes under _____

Opt. 1 : applying

Opt. 2 : analyzing ✓

Opt. 3 : creating

Opt. 4 : evaluating

Q41: Re-focusing is a sub skill of the skill of _____

Opt. 1 : probing questions ✓

Opt. 2 : fluency in questioning

Opt. 3 : explaining

Opt. 4 : stimulus variation

Q42: Project is a wholehearted purposeful activity proceeding in a social environment. This definition is given by -

Opt. 1 : Stevenson

Opt. 2 : Ballard

Opt. 3 : Kilpatrick ✓

Opt. 4 : Dewey

Q43: Predicting alternate or unusual ideas are the important skills under -

Opt. 1 : process domain

Opt. 2 : attitudinal domain

Opt. 3 : application domain

Opt. 4 : creativity domain ✓

Q44: Which among the following is not included in the long range objectives in NCERT classification?

Opt. 1 : appreciation

Opt. 2 : evaluation ✓

Opt. 3 : attitude

Opt. 4 : interest

Q45: Physical activities resulting in material product is somewhat absent in-

Opt. 1 : heuristic method

Opt. 2 : biographical method ✓

Opt. 3 : problem solving method

Opt. 4 : project method

Q46: If the students construct a model to show how something works, they are -

Opt. 1 : applying ✓

Opt. 2 : analyzing

Opt. 3 : synthesizing

Opt. 4 : comprehending

Q47: Doing experiments comes under the domain -

Opt. 1 : psychomotor ✓

Opt. 2 : affective

Opt. 3 : cognitive

Opt. 4 : concept

Q48: What level of Bloom's Taxonomy represents the verbs like infer, interpret, summarize and demonstrate ?

Opt. 1 : Application

Opt. 2 : Knowledge

Opt. 3 : Synthesis

Opt. 4 : Comprehension ✓

Q49: The knowledge of classifications and categories, principles and generalizations and theories in the knowledge dimension of Revised Bloom's Taxonomy is _____

Opt. 1 : factual

Opt. 2 : conceptual ✓

Opt. 3 : procedural

Opt. 4 : meta cognitive

Q50: Brain storming is basically designed to promote _____

Opt. 1 : creative thinking ✓

Opt. 2 : understanding

Opt. 3 : memory

Opt. 4 : logical thinking

Q51: Which among the following is not a supply type test item ?

Opt. 1 : multiple choice

Opt. 2 : matching

Opt. 3 : completion ✓

Opt. 4 : true-false

Q52: The relationship between teacher and the learners in a teaching model -

Opt. 1 : principles of reaction

Opt. 2 : social system ✓

Opt. 3 : instructional effects

Opt. 4 : nurturant effects

Q53: Which level of Cognitive Domain in Bloom's Taxonomy represents verbs such as organise, compare, contrast, examine, distinguish etc. ?

Opt. 1 : Analysis ✓

Opt. 2 : Knowledge

Opt. 3 : Application

Opt. 4 : Understanding

Q54: The process of tracking and documenting the skills, knowledge and experience required for a professional that an individual gains both formally and informally as they work beyond any initial learning is _____

Opt. 1 : pedagogical competence

Opt. 2 : informal learning

Opt. 3 : continuous professional development ✓

Opt. 4 : professional ethics

Q55: Formulating simple, interesting and relevant examples - comes under the skill of _____

Opt. 1 : explaining

Opt. 2 : illustration ✓

Opt. 3 : stimulus variation

Opt. 4 : introduction

Q56: Armstrong was the exponent of _____

Opt. 1 : Dalton method

Opt. 2 : Heuristic method ✓

Opt. 3 : Problem solving method

Opt. 4 : Project method

Q57: Which of the following is present both in prokaryotic and eukaryotic cells ?

Opt. 1 : Ribosomes ✓

Opt. 2 : Golgi apparatus

Opt. 3 : Mitochondria

Opt. 4 : Nucleus

Q58: Diagnostic test is meant for _____

Opt. 1 : identifying gaps in students understanding ✓

Opt. 2 : promoting to next grade

Opt. 3 : to fill progress reports

Opt. 4 : preparation of term end question paper

Q59: Code of Professional Ethics for school teachers was developed by _____

Opt. 1 : UGC

Opt. 2 : SCERT

Opt. 3 : NCERT

Opt. 4 : NCTE ✓

Q60: Which technique emphasizes on eliciting as many different ideas possible from students for more careful consideration at a later time ?

Opt. 1 : seminar

Opt. 2 : peer tutoring

Opt. 3 : brain storming ✓

Opt. 4 : concept mapping

Q61: In McCormack and Yager Taxonomy, feeling and valuing comes under _____

Opt. 1 : application domain

Opt. 2 : attitudinal domain ✓

Opt. 3 : process domain

Opt. 4 : creativity domain

Q62: Which among the following provides an overview or achievement across a number of skills?

Opt. 1 : summative evaluation

Opt. 2 : prognostic evaluation

Opt. 3 : diagnostic evaluation

Opt. 4 : formative evaluation ✓

Q63: Cybrids are _____

Opt. 1 : cytoplasmic hybrids ✓

Opt. 2 : nuclear hybrids

Opt. 3 : hybrids resulted from cross pollination

Opt. 4 : histological hybrids

Q64: Which among the following is a wholehearted purposeful activity proceeding in a social environment?

Opt. 1 : lecture method

Opt. 2 : experiential method

Opt. 3 : heuristic method

Opt. 4 : project method ✓

Q65: The lowest level of Cognitive Domain is _____

Opt. 1 : understanding

Opt. 2 : analysis

Opt. 3 : application

Opt. 4 : knowledge ✓

Q66: During school hours, learners are provided with certain instructional inputs unintentionally, which might not be planned or designed earlier, comes under the title _____

Opt. 1 : core curriculum

Opt. 2 : hidden curriculum ✓

Opt. 3 : null curriculum

Opt. 4 : overt curriculum

Q67: In which phase of microteaching, replan and reteach are practiced ?

Opt. 1 : knowledge acquisition phase

Opt. 2 : skill integration phase

Opt. 3 : skill acquisition phase ✓

Opt. 4 : skill transfer phase

Q68: Klinefelter syndrome is due to _____

Opt. 1 : only one Y chromosome

Opt. 2 : only one X chromosome

Opt. 3 : two X and one Y chromosome ✓

Opt. 4 : one X and two Y chromosome

Q69: Inquiry Training Model belongs to which family of models?

Opt. 1 : information processing ✓

Opt. 2 : behaviour modification

Opt. 3 : personal

Opt. 4 : social interaction

Q70: Mendel formulated the law of purity of gametes on the basis of _____

Opt. 1 : monohybrid cross ✓

Opt. 2 : dihybrid cross

Opt. 3 : test cross

Opt. 4 : back cross

Q71: A representation of ideas and concepts in boxes or circles which are connected by branches of arrows forming a hierarchical structure for visualizing relationships among concepts is _____

Opt. 1 : concept plan

Opt. 2 : puzzle

Opt. 3 : chart

Opt. 4 : concept map ✓

Q72: A reservoir of teaching content, objectives, learning experiences, experiments, outdoor activities, tools of evaluation, assignments and references prepared by a group of teachers is known as _____

Opt. 1 : resource unit ✓

Opt. 2 : unit plan

Opt. 3 : lesson plan

Opt. 4 : year plan

Q73: In Revised Bloom's Taxonomy, Synthesis was retitled as _____

Opt. 1 : Evaluating

Opt. 2 : Creating ✓

Opt. 3 : Applying

Opt. 4 : Evaluating

Q74: Basic unit or smallest taxon of classification is _____

Opt. 1 : Kingdom

Opt. 2 : Species ✓

Opt. 3 : Family

Opt. 4 : Class

Q75: A teaching approach where effective selection and usage of text, sound, video and animation are combined to achieve the teaching lesson objective in the best possible manner is _____

Opt. 1 : deductive approach

Opt. 2 : multimedia approach ✓

Opt. 3 : constructivist approach

Opt. 4 : interdisciplinary approach

Q76: Which of the following is a type of autosomal recessive genetic disorder ?

Opt. 1 : Haemophilia

Opt. 2 : Skeletal dysplasia

Opt. 3 : Sickle cell anemia ✓

Opt. 4 : Thalassemia

Q77: Which is the first transgenic crop?

Opt. 1 : potato

Opt. 2 : brinjal

Opt. 3 : cotton

Opt. 4 : tobacco ✓

Q78: How many types of knowledge were there in the Cognitive Domain of Revised Bloom's Taxonomy?

Opt. 1 : 3

Opt. 2 : 2

Opt. 3 : 4 ✓

Opt. 4 : 5

Q79: Flexible open form of self-directed online learning designed for mass participation is _____

Opt. 1 : MOOC ✓

Opt. 2 : Swayamprabha

Opt. 3 : e-Yantra

Opt. 4 : e-Granthalaya

Q80: Which test provides basis for the promotion to the next grade ?

Opt. 1 : diagnostic test

Opt. 2 : prognostic test

Opt. 3 : achievement test ✓

Opt. 4 : aptitude test

Q81: A teaching technique where a group of two or more teachers works together to plan, conduct and evaluate the learning activities for the same group of learners is _____

Opt. 1 : peer tutoring

Opt. 2 : team teaching ✓

Opt. 3 : brain storming

Opt. 4 : panel discussion

Q82: Ministry of Education, Govt. of India has entrusted the responsibility of conducting the Central Teacher Eligibility Test to _____

Opt. 1 : CBSE ✓

Opt. 2 : NCTE

Opt. 3 : NCERT

Opt. 4 : SCERT

Q83: Which among the following is a core teaching skill ?

Opt. 1 : questioning ✓

Opt. 2 : organizing the content

Opt. 3 : framing objectives

Opt. 4 : using teaching aids

Q84: Statements of achievements to be realized and specific meaning by which these are to be attained, as a result of activities engaged during a class hour is _____

Opt. 1 : unit plan

Opt. 2 : resource unit

Opt. 3 : lesson plan ✓

Opt. 4 : year plan

Q85: In BSCS, which version corresponds to cellular biology ?

Opt. 1 : blue version

Opt. 2 : green version

Opt. 3 : white version

Opt. 4 : yellow version ✓

Q86: A method in which one move from specific to general is _____ -

Opt. 1 : inductive method ✓

Opt. 2 : deductive method

Opt. 3 : drill method

Opt. 4 : discussion method

Q87: Continuous and Comprehensive Evaluation is not meant for _____

Opt. 1 : ranking of children

Opt. 2 : promotion to next grade

Opt. 3 : competition among children ✓

Opt. 4 : overall development of the learner

Q88: Proliferation of root nodule is induced by the bacterium _____

Opt. 1 : Anabaena

Opt. 2 : Azomonas

Opt. 3 : Rhizobium ✓

Opt. 4 : Azospirillum

Q89: A collection of hyperlinked documents on the internet forms the _____

Opt. 1 : E Mail

Opt. 2 : World Wide Web ✓

Opt. 3 : Hypertext Markup Language

Opt. 4 : Gateway

Q90: Concept Attainment Model was found out by _____

Opt. 1 : Lev Vygotsky

Opt. 2 : Jerome S Bruner ✓

Opt. 3 : B F Skinner

Opt. 4 : Jean Piaget

Q91: In humans, the dominant relationship between the A and B alleles of the ABO blood group gene is an example of _____

Opt. 1 : complete dominance

Opt. 2 : incomplete dominance

Opt. 3 : codominance ✓

Opt. 4 : epistasis

Q92: Which approach advocated that knowledge have to be actively build up by the learners as they interpret learning experience ?

Opt. 1 : constructivist approach ✓

Opt. 2 : interdisciplinary approach

Opt. 3 : biographic approach

Opt. 4 : multimedia approach

Q93: Which principle of curriculum construction advocates that the curriculum should equip students with the caliber to meet the challenges of life in future?

Opt. 1 : principle of child centeredness

Opt. 2 : creative principle

Opt. 3 : forward looking principle ✓

Opt. 4 : conservative principle

Q94: Plastids which store fats and oils are called ?

Opt. 1 : Aleuroplast

Opt. 2 : Amyloplast

Opt. 3 : Elaioplast ✓

Opt. 4 : Etioplast

Q95: Which of the following inheritance is shown in Colour Blindness?

Opt. 1 : up-down inheritance

Opt. 2 : criss-cross inheritance ✓

Opt. 3 : zig-zag inheritance

Opt. 4 : autosomal inheritance

Q96: _____ is an initiative by MHRD to provide education by the medium of Television channels consisting of 34 DTH channels for high quality educational programs.

Opt. 1 : SWAYAM

Opt. 2 : Swayamprabha ✓

Opt. 3 : INFLIBNET

Opt. 4 : MOOC

Q97: Which bacterium produces insulin through the process of genetic engineering?

Opt. 1 : Azospirillum

Opt. 2 : Myobacterium

Opt. 3 : Rhizobium

Opt. 4 : Escherichia ✓

Q98: Which phase of 5E Model addresses, generating students' interest, setting parameters for the activity, and framing the idea?

Opt. 1 : Explore

Opt. 2 : Elaborate

Opt. 3 : Explain

Opt. 4 : Engage ✓

Q99: In Five Kingdom system of classification, main basis of classification is _____

Opt. 1 : structure of cell wall ✓

Opt. 2 : morphology

Opt. 3 : locomotion

Opt. 4 : venation

Q100: Among the following which one is a teacher centered method?

Opt. 1 : problem solving

Opt. 2 : project

Opt. 3 : biographical ✓

Opt. 4 : experimental
