

1. The compressor in a refrigerator provides working energy in the form of
 - A) Heat energy
 - B) Mechanical energy
 - C) Electrical energy
 - D) Radiant energy
2. The Penguin is
 - A) An aquatic mammal
 - B) An aquatic animal
 - C) An aquatic bird
 - D) A fish
3. Some facts from Census 2011 relating to Population of Kerala are given below.

Male	Female	Sex Ratio	Literacy Rates		
			Total	Male	Female
16,021, 290	17,366, 387	1,084	93.91	96.02	91.58

- Which of the following is true?
- A) Sex Ratio is computed by dividing number of Males by number of Females
 - B) Percentage is calculated to arrive at Sex Ratio
 - C) The Literacy Rate for the Total population of Kerala is the average of that of Males and Females
 - D) The Total population of Kerala is 33,387, 677
4. Which is not true regarding the effect of hormones?
 - A) Cause diseases
 - B) Activate/inhibit the immune system
 - C) Stimulate/inhibit growth
 - D) Regulate metabolism
 5. The first mammal cloned from an adult cell
 - A) Dewey, the deer
 - B) Dolly, the sheep
 - C) Ralph, the rat
 - D) Tetra, the monkey
 6. Endosulfan
 - A) Readily dissolves in xylene, chloroform and kerosene
 - B) Dissolves in most organic solvents
 - C) Is only slightly soluble in water
 - D) All of the above
 7. The ratio of the perimeter of a square, whose length is 5, and of a rectangle, whose length is 20 and breadth 10, is
 - A) 1:2
 - B) 1:3
 - C) 2:3
 - D) 3:4
 8. One thousand million is equal to
 - A) One billion
 - B) One trillion
 - C) One quadrillion
 - D) One quintillion

9. The smallest square number that can be expressed as the sum of two consecutive prime numbers is
A) 9 B) 16 C) 25 D) 36
10. Check the given pattern of numbers and choose the pair of numbers that comes next.
42, 40, 38, 35, 33, 31, 28,----,----
A) 25, 22 B) 26, 22 C) 26, 23 D) 26, 24
11. The temperature levels in a nuclear reactor are maintained primarily by the use of
A) Shielding B) Coolants
C) Moderators D) Control rods
12. Earth Education involves
A) Studying about the earth
B) Imparting down to earth education
C) Imparting informal education
D) Helping to live in harmony with the natural world
13. Bal Gangadhar Tilak, Bhagat Singh and Gopal Krishna Gokhale were
A) Indian Historians
B) Indian National Leaders
C) Indian Philosophers
D) Indian Social Reformers
14. Rise in sea level is due to
A) Melting of sea ice
B) Plate movements in the sea bed
C) Increase in ocean temperature
D) Global tides
15. The purpose of 'choke' in tube light is:
A) To increase the voltage momentarily
B) To decrease the current flow
C) To increase the current flow
D) To decrease the voltage momentarily
16. Which Act of Indian Parliament ensures that every child of the age of 6 to 14 years shall have the right to free and compulsory education?
A) RTI Act, 2005 B) RTE Act, 2009
C) Both A and B D) Neither A nor B
17. The 18th Chief Election Commissioner of India is
A) Navin Chawla B) V. S. Sampath
C) Shahabuddin Y. Qurashi D) T. N. Seshan

18. The XIth Five Year Plan is India's
A) Agrarian Plan B) Economic Liberalisation Plan
C) Education Plan D) Industrialisation Plan
19. Which among the following is a ritualistic Veda?
A) Rig Veda B) Sama Veda
C) Yajur Veda D) Adharva Veda
20. *Between the Assassinations* was authored by
A) Aravind Adiga B) Arundhati Roy
C) Anita Desai D) Salman Rushdie
21. Dondo Keshav Karve, M. Visvesvarayya and Pandurang Vaman Kane were awarded
A) Bharat Ratna B) Padma Vibushan
C) Padma Bushan D) Padma Shree
22. *Sattriya* is an Indian
A) Style of painting B) Dress
C) Classical dance D) Classical music
23. The book, authored by a Kerala born writer, long listed for the Man Booker Prize 2012
A) *The Lighthouse* B) *Bring Up the Bodies*
C) *Narcopolis* D) *Umbrella*
24. *Thou hast made me endless, such is thy pleasure. This frail vessel
Thou emptiest again and again, and fillest it ever with fresh life.*
Which of the following opens with these lines?
A) *Rig Veda* B) *Manishada*
C) *Gitanjali* D) *Gita Govindam*
25. In April 2012, Justice Dalveer Bhandari was elected to which one of the following offices?
A) Judge, Supreme Court of India
B) Member, International Court of Justice
C) Judge, High Court of Delhi
D) Chairman, Commission for Scheduled Castes and Scheduled Tribes
26. The world's longest sea bridge is in
A) China B) Russia
C) Thailand D) United States
27. India's Foreign Secretary is
A) Nirupama Rao B) Ranjan Mathai
C) Shyam Saran D) Shiv Sankar Menon

28. The United Nations has declared 2012 as the International Year of
 A) Bio Diversity & Seafarer
 B) Cooperatives & Sustainable Energy for All
 C) Forests & Youth
 D) Quinoa & Water Cooperation
29. The Goodwill Ambassador of the Akshaya Project of Government of Kerala is the Malayalam cine actor
 A) Mohan Lal
 B) Nedumudi Venu
 C) Mamooty
 D) Suresh Gopi
30. The 8th Honorary winner of the New Seven Wonders of the World, as a tribute to it being the only remaining original wonder of the world, is
 A) The Great Wall of China
 B) The Colosseum in Rome
 C) The Pyramids in Egypt
 D) The Taj Mahal in India
31. Wenlock and Mandeville are Mascots of the
 A) Summer Olympics, 2012
 B) Asian Games, 2014
 C) Winter Olympics, 2014
 D) Commonwealth Games, 2014
32. There are
 A) 7 Harry Potter books and 7 Harry Potter films
 B) 7 Harry Potter books and 8 Harry Potter films
 C) 8 Harry Potter books and 7 Harry Potter films
 D) 8 Harry Potter books and 8 Harry Potter films
33. Kabaddi is a game that originated in
 A) China
 B) India
 C) Pakistan
 D) Sri Lanka
34. El Nino is a phenomenon observed in the
 A) Indian Ocean
 B) Atlantic Ocean
 C) Arabian Sea
 D) Pacific Ocean
35. In India, Doctors' Day is celebrated on
 A) 9th May
 B) Third Sunday of June
 C) 1st July
 D) Fourth Sunday of July
36. Vijay Kumar, who won the first Silver medal for India at the London Olympics 2012, is serving in
 A) Indian Railways
 B) Indian Air Force
 C) Indian Navy
 D) Indian Army

37. Loom was a central technological innovation in the
A) Gupta Era B) Rajput Era
C) Sultanate Era D) Mughal Era
38. 'Chaakara', the peculiar marine phenomenon of piscoan harvest,
A) Is due to mud bank formations
B) Brings in huge shoals of large-sized fish
C) Occurs throughout the year
D) Is observed all along India's coastal waters
39. Which State in India, among the following, has English as its only official language?
A) Goa B) Mizoram
C) Arunachal Pradesh D) Assam
40. The richest temple treasure trove in Kerala was found in
A) Guruvayur Temple B) Sree Padmanabhaswamy Temple
C) Paramekkavu Temple D) Vadakkunnathan Temple
41. The dynamics in value orientation can be attributed to
A) Economic transformations B) Political transformations
C) Social transformations D) Philosophical transformations
42. How many fundamental duties are enlisted in the Constitution of India?
A) 10 B) 11
C) 6 D) 13
43. Which among the following is not true about the International Industrial Trade Fair (INTEC) being organized annually in India?
A) Provides a platform for exhibitors from across the globe
B) Showcases latest technological advancements
C) Generates businesses and new ventures
D) Serves as an expensive and unnecessary investment of time and money
44. IMF grants loan to
A) Any local government of a country
B) Any state government of a country
C) Any country of the world
D) Any member country
45. Rupee convertibility means
A) Ability to convert Rupee to Gold and vice versa
B) Ability of the market forces to convert the value of Rupee
C) Permission to convert Rupee to other currencies and vice versa
D) All of the above

46. A Chit Fund is
A) A banking financial intermediary
B) A non-banking financial intermediary
C) An unorganised money lender
D) None of the above
47. Which is the most important source of revenue of a State in India?
A) Income Tax
B) Excise Duty
C) Land Revenue
D) Sales Tax
48. Which of these are important goals of effective communication?
(i) creating a common perception (ii) changing behaviour (iii) acquiring information.
A) (i) and (ii)
B) (i) and (iii)
C) (ii) and (iii)
D) (i), (ii) and (iii)
49. In cyber crimes,
A) The computer is a tool
B) The computer is a target
C) Both A and B
D) Neither A nor B
50. Which of the following is not an operating system?
A) Linux
B) Mozilla
C) Macintosh
D) Windows
51. Statistical calculations and preparation of tables and graphs can be done using
A) Adobe Photoshop
B) Excel
C) Notepad
D) Power Point
52. Nod 32, Norton and Panda are
A) Search engines
B) Operating systems
C) Antivirus software
D) Internet browsers
53. EDUCOMP
A) Reaches out to the entire education cycle – preschool toddlers to post graduate students
B) Delivers the core curriculum subjects at school and college levels as well as vocational and employability skills
C) Empowers with IT education and IT enabled learning
D) All of the above
54. Identify a web browser from the following
A) Yahoo
B) Internet Explorer
C) Bing
D) DuckDuckGo

55. Sukhadeo Thorat, Chairman of the Committee appointed by the NCERT to review the political cartoons in the NCERT text books, is currently
- A judge in the Delhi High Court
 - The Professor and Head of the Department of Education, Delhi University
 - A retired judge of the Supreme Court
 - The Chairman of the Indian Council of Social Science Research
56. Which is not a social networking site?
- Google Plus
 - Wink
 - LinkedIn
 - Buzz
57. Which of the following is a wrong direction to guard against a 'Phishing' attack?
- Log on to a site by typing the proper URL in the address bar
 - Ensure that the URL of the log in page starts with http:// and not https://
 - Give user id and password only at authenticated log in page
 - Look for the lock sign/icon and verisign certificate
58. Which of the following is not suitable for preparation of learning materials?
- NETLOG
 - ERIC
 - PROQUEST
 - UTUBE
59. Nimbuz, Pidgin and Trillion are software used for
- Blogging
 - Chatting
 - Surfing
 - All of the above
60. WWW, in computer parlance, stands for
- World Wide Web Worm
 - World Wide Wildlife Web
 - World Wide Women's Web
 - World Wide Women's Week
61. In the teaching-learning process, the hierarchy of data, information and knowledge relate to
- Description, strategy and principle respectively
 - Definition, practice and insight respectively
 - Perspective, approach and moral respectively
 - All of the above
62. Experience arises from the interaction of two principles, viz.
- Continuity and interaction
 - Explanation and illustration
 - Reviewing and reinforcing
 - Questioning and counseling
63. Of the four pillars of learning in UNESCO's "Learning: The Treasure Within", which is emphasised the most?
- Learning to know
 - Learning to do
 - Learning to live together
 - Learning to be

64. Knowledge is valuable only in
 A) A business context B) A cultural context
 C) An educational context D) A social context
65. Better analytical skills and problem solving ability as well as higher levels of language acquisition and multi-tasking are observed
 A) Among males
 B) Among females
 C) The former among males and the latter among females
 D) The former among females and the latter among males
66. For creating an effective learning environment, a teacher should be aware of the learners' (i) socio economic status (ii) inhibitions (iii) learning style (iv) education of parents.
 A) (i) and (ii) only B) (i) and (iii) only
 C) (i) and (iv) only D) All the four
67. (i) Speaking with authenticity, (ii) being humble, (iii) having a sense of humour, and (iv) taking risks are certain qualities. Which of them are hallmarks of an inspiring teacher?
 A) (i) only B) (i) and (ii) only
 C) (i), (ii) and (iii) only D) All the four
68. If a student is frequently coming late to class, a teacher should
 A) Ignore him and proceed with the class
 B) Scold him for his conduct
 C) Send him out of class
 D) Talk to him and try to help him to be punctual
69. Which of the following is an indicator of a Teacher's Professionalism?
 A) Performance
 B) Availability
 C) Qualification
 D) Radiant energy
70. An effective teacher will
 A) Share responsibilities
 B) Emphasise the importance of grades
 C) Give attention to some students
 D) Give token rewards
71. Teaching skills can be evaluated/assessed by
 A) Interviews B) Inventories
 C) Observation Scales D) Questionnaires

72. Student behaviour should be moulded not by
 A) Humour B) Negotiation
 C) Punishment D) Selective ignoring
73. A teacher needs to know that Learning Disability (i) is contagious, (ii) can be genetic, (iii) is associated with low intelligence, and/or(iv) involves developmental lag and differences.
 A) (i) and (ii) B) (ii) and (iii)
 C) (iii) and (iv) D) (ii) and (iv)
74. The idea that the class should be a shared environment is stressed by the
 A) Cognitive Developmental Theory
 B) Field Theory
 C) Theory of Social Constructivism
 D) Theory of Humanism
75. Which of the following can be taken as a reflection of meaningful learning?
 A) Gaining high scores/grades in exam
 B) The capability to transfer teaching to different needed situations
 C) The ability to recall information
 D) A very high degree of retention
76. Madhavan is a normal boy doing his 9th standard. Of recent, his nature has changed. He questions decisions taken, has emotional tensions and often prefers to be in the company of his friends. This is because
 A) He is mentally ill
 B) He is in his teens
 C) He has fallen prey to some bad habits
 D) He is dissatisfied with the environment at home and at school
77. (i) Attending (ii) Arguing (iii) Listening (iv) Understanding
 As a teacher, which of these skills would you employ while counseling students?
 A) (i), (ii) and (iii) B) (ii), (iii) and (iv)
 C) (i), (iii) and (iv) D) (i), (ii), (iii) and (iv)
78. A teacher discovers that a few of her students have the ability to think critically, which means that their thoughts have (i) accuracy, clarity and precision and/or (ii) breadth, depth and logic.
 A) Only (i) B) Only (ii)
 C) Neither (i) nor (ii) D) Both (i) and (ii)
79. A teacher who allows maximum participation of all the students in classroom activities is a ----- teacher.
 A) Democratic B) Autocratic
 C) Laissez-faire D) All the above

80. A teacher can manage and guide his/her learners because
 A) She is academically qualified for the post
 B) She understands the learners' psychology
 C) Students should fear and obey the teacher
 D) She is the leader of the class
81. The psychology of teaching and learning is a
 A) Developmental science B) Normative science
 C) Pure science D) Social science
82. In case a student from a culturally/socially backward environment is admitted in your class, what will you do?
 A) Adopt ability grouping
 B) Direct him to special schools
 C) Make arrangements to teach him according to his needs
 D) Follow normal teaching procedures.
83. Doing Differential Assignments allow students to (i) learn their lessons at home, (ii) reinforce what they have learnt, (iii) excel in what they are good at, (iv) stretch their strong points and work in other areas?
 A) (i) and (ii) B) (iii) and (iv)
 C) (i) and (iv) D) (ii) and (iii)
84. Who among the following are experts in the field of cognition?
 A) Rogers and Maslow B) Eysenck and Bandura
 C) Hilgard and Tolman D) Piaget and Gesell
85. Progressive Education is associated with
 A) Dewey B) Froebel
 C) Montessori D) Spencer
86. Terrorism, Human Rights, Drugs and Crimes are
 A) Agents of social change B) Features of social change
 C) Issues of social change D) Characteristics of social change
87. Gandhi's concept of Basic Education is best interpreted as
 A) Education through a handicraft
 B) Education suited for the rural population of India
 C) Education for life, through life and throughout life
 D) A programme of life-centered education
88. The best philosophy for education in the modern world is
 A) Idealism B) Naturalism
 C) Pragmatism D) Eclectism

89. Tabula Rasa is
 A) An epistemological theory B) A metaphysical theory
 C) An axiological theory D) None of the above
90. Education Guarantee Scheme and Alternative Innovative Education are
 A) Formal education programmes
 B) Non-formal education programmes
 C) Informal education programmes
 D) Collaborative education programmes
91. The concept of Reflective Practice was first introduced by
 A) David Boud B) David Kolb
 C) Donald Schon D) John Dewey
92. Flexibility, Appropriateness, Efficiency and Economy are characteristics of
 A) A good research design B) A good research tool
 C) A good research topic D) A good research variable
93. The most important support system for the Concept Attainment Model of Teaching is
 A) An atmosphere that promotes discussion
 B) Participation of learners
 C) Appropriate examples and non-examples
 D) Pictures depicting concepts
94. Pick out the wrong statement.
 Computer-based teaching
 A) Involves the use of computer as a teaching device
 B) Is being used at different levels of education
 C) Is also called computer-based/assisted instruction
 D) Is an unpopular means of teaching
95. Continuous and Comprehensive Evaluation loses its effectiveness when
 A) A variety of tools are employed
 B) The assessment criteria are shared with students
 C) Peer and self assessments are allowed
 D) Diagnostic testing is conducted
96. Concrete Experiencing, Reflective Observation, Abstract Conceptualisation and Active Experimentation are stages in
 A) Baud's Reflective Model
 B) Gibb's Reflective Cycle
 C) Kolb's Experiential Model
 D) Greenaway's Experiential Model

97. (i) Diagnosis (ii) Placement (iii) Prediction (iv) Immediate Feedback - these are terms associated with Evaluation. Which among these are closely associated with Formative Evaluation?
- A) (i) and (ii) only B) (ii) and (iii) only
C) (iii) and (iv) only D) (i) and (iv) only
98. Which of the following is not correct?
By asking questions in class, a teacher must be able to
- A) Acquire a good flair for enquiry
B) Formulate general rules
C) Stimulate curiosity
D) Promote initiative and originality
99. Stress is reported among students and parents with regard to the Grading System in terms of
- A) The validity and reliability of internal assessment being conducted
B) The minimum grade that is decided upon by teachers to be recorded
C) Both A and B
D) Neither A nor B
100. Interaction, teamwork, individual accountability and interdependence are features of
- A) Active Learning B) Cooperative Learning
C) Direct Learning D) Problem-based Learning
101. Portfolios employed for Continuous and Comprehensive Evaluation in schools of Kerala
- A) Do not provide evidence of performance beyond acquisition of factual knowledge
B) Do not encourage the use of integrated activities emphasizing depth of learning
C) Do not link learning to the world around
D) Need to evolve over a prolonged period of time
102. A drawback of conducting Action Research in the classroom is that
- A) It disrupts normal duties
B) Its findings have local applicability only
C) It has small scale focus
D) It does not result in knowledge making
103. Love, Peace, Freedom, Coexistence, Equal Rights, Social Progress and Human Dignity are
- A) Universal Values B) National Values
C) Traditional Values D) Personal Values

104. The integral approach to education, which is based on values, was proposed by
A) Aurobindo B) Gandhi
C) Tagore D) Vivekananda
105. Freud stresses the ----- underlying a person’s inherent values.
A) Emotional perspectives B) Philosophical perspectives
C) Political perspectives D) Sociological perspectives
106. ‘Values are inherent in every human being’. This is reflected in:
A) Realism B) Pragmatism
C) Naturalism D) Idealism
107. Which of these are grounds for value change - (i) age, (ii) education, (iii) gender,
(iv) circumstances in life?
A) (i) and (ii) B) (i), (ii) and (iii)
C) (i), (ii), (iii) and (iv) D) None of these
108. The United Nations Declaration of Human Rights entitles man to
A) Rights B) Freedom
C) Duties D) All of these
109. The teaching process comprises of Preparation, Presentation and Application.
Which is the next phase?
A) Assignment and Seminar
B) Testing and Grading
C) Testing and Interpretation
D) Review and Evaluation
110. At the Introductory stage of a teaching session, the teacher should not
A) Get the attention of students
B) Motivate students
C) Provide an overview of the day's lesson
D) Speak impromptu
111. Which of the following would you employ in your classroom so as to foster
relationships with students?
A) Occasion for negotiation B) Encourage autonomy
C) Both A and B D) Neither A nor B
112. What are Word Slides and Syllable Wheels?
A) Learning materials B) Teaching aids
C) Working models D) All of these

113. How would you ensure classroom discipline?
 A) By patience
 B) By giving responsibilities
 C) By strict control
 D) By giving work
114. Being curious, challenging and critical; asking questions and questioning the answers– these are indicators to show that such students are
 A) Active learners
 B) Gifted learners
 C) Agile learners
 D) Kinesthetic learners
115. A desirable means of teaching is
 A) By teaching textual concepts as provided in the book
 B) By relating textual concepts with day-to-day life
 C) By giving occasion to discover/apply/experiment textual concepts
 D) All the above
116. A comprehensive test on general knowledge can be used for
 A) Determining students' class/division
 B) Grading of students
 C) Identifying the areas of students' interest
 D) Assessing students' deficits
117. Which of the following is a qualitative means of assessment in the classroom?
 A) Concept maps
 B) Test papers
 C) Speed tests
 D) Power tests
118. Classroom instruction becomes effective only when the multiple intelligences of students are addressed, according to
 A) Charles Spearman
 B) Cyril Burt
 C) David Wechsler
 D) Howard Gardner
119. Which among the following will you give highest priority when handling large group classes in school?
 A) Managing the discipline of the class
 B) Delivering the content
 C) Harnessing technology for instruction
 D) Organizing small self-learning groups
120. Who said that Education is the most powerful weapon that can be used to change the world?
 A) Albert Einstein
 B) M. K. Gandhi
 C) Mark Twain
 D) Nelson Mandela
