

1. Erickson's Psycho social theory is
A) Behavioural theory of development B) Stage theory of development
C) Systems theory D) Widely used in psychiatric treatments
2. Which of the following methods can be effectively used to find out the effect of a teaching strategy on the achievement of students?
A) Observation B) Case study
C) Experiment D) Survey
3. Who among the following explains the hierarchy of human needs?
A) J. B. Watson B) Kurt Lewin
C) B.F. Skinner D) Abraham Maslow
4. A person who can easily interact in a social context possesses:
A) Intrapersonal intelligence B) Spatial intelligence
C) Interpersonal intelligence D) Naturalistic intelligence
5. According to Piaget's theory of development, the ability of reversible thinking emerges at
A) Concrete operational stage B) Formal operational stage
C) Sensori motor stage D) Pre operational stage
6. Which of the following psychologists emphasizes the role of language culture in learning?
A) Jean Piaget B) Lev Vygotsky
C) Jerome S. Bruner D) E.L. Thorndike
7. CAI means:
A) Computer Aided Institution B) Computer Assisted Instruction
C) Computer Assisted Institution D) Computer Associated Instruction
8. Which of the following principles is incorrect regarding pragmatism?
A) Emphasise change B) Man is a social animal
C) Experimentalism D) Auto education
9. Which of the following is not a principle of perception?
A) Figure- ground B) Closure
C) Symmetry D) Uniformity
10. The use of consequences in learning is emphasized in:
A) Operant conditioning B) Classical conditioning
C) Gestalt theory D) Insight learning

11. Article 51 A suggested
- To safeguard public property and to abjure violence
 - To fight for religious interest
 - To ensure vested interest
 - To participate in antinational activities
12. Authoritarian type of Parenting Style
- Supports punishment as a means of control
 - Guides through model behaviour
 - Nurtures positive behaviour through rewards
 - Promotes self discipline
13. Choose the statement which is not true
- Unsafe living conditions leads to stress among adolescents
 - Stress produces changes in body and behaviour of an individual
 - Common cold and asthma are caused by stress in some people
 - Intense emotions are not related to stress
14. Punishment is most effective in suppressing behaviour when it is:
- Immediate, consistent, and intense
 - Delayed, consistent, and mild
 - Immediate, inconsistent, and mild
 - Delayed, inconsistent, and intense
15. The technology that can be used for helping the students with diverse needs is:
- Instructional technology
 - Integrated technology
 - Simple technology
 - Assistive technology
16. Which of the following reinforcement schedule is least effecting extinction?
- Fixed interval
 - Fixed ratio
 - Continuous
 - Variable interval
17. A student who strive to achieve more knowledge and understanding is possessing:
- Self Esteem needs
 - Deficiency needs
 - Growth needs
 - Learning needs
18. Two statements regarding the qualities of an effective teacher is given below.
- A teacher needs to change his behaviour and attitude as per the needs of the society
 - Knowing the background of the students is a prerequisite for teaching
- Which of the following is correct?
- Only statement 1 is correct
 - Only statement 2 is correct
 - Statements 1 and 2 are correct
 - Neither 1 nor 2 is correct
19. Arun shows less interest in classroom activities and often engage in undesirable behaviours to his classmates. What is the best strategy that can reduce this behaviour?
- Take disciplinary action
 - Analyse the reason for his behaviour and take necessary remedial measures
 - Send him to special school
 - Neglect him and blame his parents

20. Which of the following is not appropriate with respect to classroom management?
 A) Establish and teach rules B) Reinforce positive behaviour
 C) Enforce strict discipline D) Address misbehaviour
21. An administrator should raise the morale of his teachers by
 A) Offering financial profit B) Providing academic autonomy
 C) Maintain rules and regulations D) Periodical evaluation
22. Rig Veda says, education is the process which makes man self-reliant and
 A) Selfless B) Human C) Useful D) Worthy
23. An example for non verbal communication is
 A) Lecturing B) Speaking-listening
 C) Mass communication D) Gestures
24. A teacher carry out a study to find out the classroom problems and try to solve the problem based on the findings is using
 A) Case Study B) Experiment
 C) Action research D) Longitudinal Survey
25. The most appropriate test that a teacher can use to identify the learning difficulties of students is
 A) Diagnostic Test B) Achievement Test
 C) Norm Referenced Test D) Prognostic Test
26. How can a student overcome his backwardness in learning and achieve to his maximum potential
 A) Give peer coaching
 B) Avoid the student as it may be by sparing the time of other students
 C) Provide remedial coaching
 D) Keep your speed of teaching fast so that student's comprehension level may increase
27. If a teacher is not able to answer the question of a pupil
 A) He should say that he will answer after consultation
 B) Rebuke the pupil
 C) Say that the question is wrong
 D) Feel shy of his ignorance
28. For ensuring maximum participation of students in classroom learning, a teacher can adopt
 A) Lecturing B) Assignments
 C) Discussion D) Reading and reviewing
29. Teaching will be effective when
 A) A teacher teaches considering the level of students
 B) A teacher uses multi-sensory modality
 C) A teacher is interested in making the subject matter understood rather than on completing the course
 D) All of the above

30. A democratic classroom offers
- Freedom to do anything in the classroom
 - Respects the individual talents
 - Uses the potentiality of bright students
 - Uses uniform strategy of teaching
31. If a student in your class shows aggressive behaviour, what will you do?
- Inform parents and take disciplinary action
 - Talk with him frankly and try to find out the reason for his behaviour
 - Complain to the principal against him
 - Send him to special school
32. If students' learning is to be applied wherever required, the teacher should
- Provide opportunities for positive transfer of learning
 - Provides sufficient learning aids while teaching
 - Practice in memorisation
 - Simplify the learning experiences
33. During the introduction of a lesson, primary importance should be given to
- Provide additional learning experiences
 - Give a definition of the concept in advance
 - Provide activity to students
 - Try to link with the previous knowledge
34. Given below are some phases related to teaching.
- | | |
|---|---------------------------|
| 1. Selection of appropriate teaching aids | 2. Planning of the lesson |
| 3. Providing feedback | 4. Motivation |
- Which of the following is the correct order?
- 1, 4, 2, 3
 - 4, 3, 2, 1
 - 4, 2, 1, 3
 - 2, 3, 1, 4
35. While teaching the historical monuments, the suitable learning aid that can be used for students is
- | | |
|--------------------|---------------------|
| A) Photographs | B) Field visits |
| C) Motion Pictures | D) Narrative sketch |
36. Technology no longer protected by copyright, available to everyone, is considered to be:
- | | |
|-----------------|-------------------------|
| A) Proprietary | B) Open |
| C) Experimental | D) In the public domain |
37. The division which manages the information and communication resources and is engaged in the production of multimedia, study materials, training of teachers etc. in CIET is
- | | |
|-------------------------|----------------------|
| A) MMDD | B) DICT |
| C) Engineering division | D) Training division |

59. Social change means
 A) Changes in structure and functions of society
 B) Preservation of culture
 C) Change in structure of society
 D) Moving from one society to another
60. A normal probability curve is
 A) Positively skewed
 B) Negatively skewed
 C) Having zero skewness
 D) Leptokurtic
61. The sun is seen before actual sunrise. This is due to:
 A) Reflection
 B) Refraction
 C) Dispersion
 D) Total Internal Reflection
62. A liquid drop tends to appear in spherical shape because of:
 A) Surface tension
 B) Viscous force
 C) Gravitational force
 D) Centrifugal force
63. The students in three classes are in the ratio 4 : 5 : 3. If 30 students are increased in each class, the ratio changes to 6 : 7 : 5. The total number of students before the increase was:
 A) 180
 B) 240
 C) 120
 D) 96
64. A and B working separately can do a piece of work in 45 and 40 days respectively. They began the work together, but A leaves after some days and B finished the remaining work in 23 days. After how many days did A leave?
 A) 6 days
 B) 9 days
 C) 12 days
 D) 8 days
65. Nitrous oxide, commonly called laughing gas, has been a matter of concern to environmentalists recently because
 A) It is thought to cause cancer at low concentrations
 B) It produces photochemical smog
 C) It is a greenhouse gas
 D) It helps to improve health
66. The radioactive element most commonly detected in humans is:
 A) Potassium-40
 B) Cobalt-60
 C) Iodine-131
 D) Plutonium-238
67. A device used to measure the amount of moisture in the atmosphere is called:
 A) Hydrometer
 B) Hygrometer
 C) Anemometer
 D) Barometer
68. Which of the following programming language is used to create programs like applets?
 A) COBOL
 B) BASIC
 C) C Language
 D) Java
69. The estrogen and androgen hormones which regulate sexual development and function are structurally related to:
 A) Beta carotene
 B) Ethanol
 C) Adrenaline
 D) Cholesterol

70. The most abundant organic molecule on the surface of the Earth is
 A) Cellulose B) RNA C) DNA D) Haemoglobin
71. A man covers a certain distance between his house and office on scooter. Having an average speed of 30 km/h, he is late by 10 minutes. However, with a speed of 40 km/h, he reaches his office 5 minutes earlier. Then the distance between his house and office is:
 A) 40 km B) 50 km C) 30 km D) 20 km
72. Biomass energy is:
 A) Formed through photosynthesis.
 B) Caused by heat due to the large mass of the earth.
 C) Usable for only a few years.
 D) Effective only in certain regions of the earth..
73. A light-year can be converted into
 A) Hours B) Astronomical units
 C) Foot-candles D) Ergs
74. How does an enzyme affect the rate of a reaction?
 A) It raises the activation energy and increases the reaction rate
 B) It lowers the activation energy and increases the reaction rate
 C) It raises the activation energy and decreases the reaction rate
 D) It lowers the activation energy and decreases the reaction rate
75. Which of the following helps in photosynthesis?
 A) Cytoplasm B) Mitochondria
 C) Ribosomes D) Chloroplasts
76. Pali is the language associated with:
 A) Buddhism B) Jainism C) Islam D) Jews
77. Which Veda is important for Indian music?
 A) Rig Veda B) Sama Veda C) Yajur Veda D) Atharva Veda
78. Who is the founder of Maurya Dynasty?
 A) Bindusara B) Asoka
 C) Chandra Gupta D) Shalishuka
79. Which of the following country does not share boundary with Arunachal Pradesh?
 A) Bhutan B) China C) Myanmar D) Bangladesh
80. The first Asian honoured with Nobel Prize for Economics
 A) Man Mohan Singh B) Amartya Sen
 C) Montek Singh Ahluwalia D) V.K.R.V Rao
81. CLASS stands for
 A) Computer Learning and Assessment in School Students.
 B) Computer Level Assessment of Secondary Schools.
 C) Computer Literacy and Studies in Schools.
 D) Centre for Literacy and Studies in Schools.

82. Basal Metabolic Rate (BMR) is:
 A) Metabolic rate of person who is at complete rest.
 B) Metabolic rate of a new born baby.
 C) Metabolic rate of person who is physically active.
 D) Metabolic rate of a pregnant lady.
83. Which part of the brain controls voluntary behaviour?
 A) Cerebrum B) Cerebellum C) Medulla D) Cortex
84. The part of a computer system which performs the actual execution of instructions is called
 A) Hardware B) Software
 C) Central Processing Unit D) Control Unit
85. Which of the following does not belong to the seeds of ecological citizenship?
 A) Environmental Education B) Embedded Justice
 C) Self Transcendence D) Social Mobility
86. Who won the Ezhuthachan Puraskaram in 2016?
 A) Kamala Surayya B) Sugathakumari
 C) C. Radhakrishnan D) M. K. Sanu
87. KIIFB stands for
 A) Kerala Infrastructure Investment Fund Board.
 B) Kerala Industrial Investment Fund Board.
 C) Kerala Innovation Investment Fund Board.
 D) Kerala Institutional Investment Fund Board.
88. Which of the following instrument is not used in 'Panchavadyam' a temple art form in Kerala?
 A) Thimila B) Maddalam C) Idakka D) Chengila
89. Which is the largest gold mine in India?
 A) Hutti B) Kolar C) Kollur D) Panna
90. Crust and uppermost solid mantle of earth is known as:
 A) Lithosphere B) Ionosphere
 C) Asthenosphere D) Stratosphere
91. The first Indian who won an individual gold medal in Olympics?
 A) Vijendra Kumar B) Abhinav Bindra
 C) R.S. Rathore D) Mary Kom
92. The length of a rectangle is thrice its breadth. If its length is decreased by 10 cm and the breadth is increased by 5 cm, the area of the rectangle is increased by 150 cm^2 . Then, the length of the rectangle is:
 A) 45 cm B) 30 cm C) 120 cm D) 60 cm
93. The name of Alla Rakha is related with:
 A) Shehnai B) Tabla C) Sitar D) Santoor

94. Which of the following is a percussion instrument?
 A) Cymbal B) Mandolin C) Santoor D) Accordion
95. The Oscar award for best movie in 2017:
 A) La La Land B) Moonlight
 C) Lion D) Manchester by the Sea
96. Insert the missing number:
 10, 5, 13, 10, 16, 20, 19, ---
 A) 22 B) 38 C) 23 D) 40

Read the following passage and answer the questions 97 & 98:

Nitrogen is the most common substance in Earth's atmosphere. Liquid nitrogen looks like water, but it acts very differently. It disappears as soon as it touches the floor because it rapidly boils and changes back to a gas at room temperature. A flower dipped in liquid nitrogen will shatter because all of the water in the flower freezes instantly. An inflated balloon placed in liquid nitrogen will appear to slowly deflate. The air isn't leaving the balloon, though. It's just taking up less space because it's getting cold and its particles are moving slower. Once the balloon is removed from the liquid nitrogen, it warms back up and returns to normal. Although experimenting with liquid nitrogen is fun, we still need to be careful with it. We always need to protect our eyes by wearing goggles and our hands by wearing gloves. After all, we wouldn't want to freeze and shatter like a flower!

97. Liquid nitrogen does not exist at room temperature as
 A) The boiling point of nitrogen is greater than room temperature.
 B) The boiling point of nitrogen is less than room temperature.
 C) The freezing point of nitrogen is greater than room temperature.
 D) The boiling point of nitrogen is equal to room temperature.
98. When liquid nitrogen comes in contact with a flower,
 A) It remains unchanged
 B) It shatter first and then returns to normal
 C) It shatter rapidly
 D) It expands first and then returns to normal
99. **Fill in the blanks with correct preposition.**
 My father will retire from service ----- an year
 A) of B) on C) in D) by
100. Select the odd one:
 A) Radium B) Radio C) Granite D) Dynamite

101. **Identify the type of sentence given.**
 “If you work hard, you will succeed.”
- A) Negative B) Compound C) Simple D) Complex
102. Which of the following is not associated with Chipko Movement?
 A) Chamoli district B) Sunderlal Bahuguna
 C) West Bengal D) Hug the tree Movement
103. Which one of the following does not belong to the category of others?
 A) Periyar B) Bharathappuzha
 C) Bhavani D) Pamba
104. An international agreement linked to the United Nations Framework Convention on Climate Change is:
 A) International Environmental Law
 B) United Nations Environment Programme
 C) Rio Declaration on Environment and Development
 D) Kyoto Protocol
105. On a biased die, an even number appears three times as frequently as an odd number. If the die is thrown twice, what is the probability that the sum is 9 or more?
 A) $\frac{17}{37}$ B) $\frac{17}{72}$ C) $\frac{23}{72}$ D) $\frac{23}{37}$
106. Which of the following country is not a permanent member in UN Security Council?
 A) USA B) UK C) Germany D) France
107. A high performing institution which comes under Section 3 of the University Grants Commission (UGC) Act, 1956 has been declared by Central Government as:
 A) Autonomous institution B) Deemed University
 C) Central University D) State University
108. Presenting and using another's published or unpublished work, as one's own, without appropriate referencing and without permission is:
 A) Plagiarism B) Falsification C) Copy right D) Fabrication
109. Awards available to Indian students for doctoral study at St John's College under the University of Cambridge are known as:
 A) Tata Scholarships
 B) Dr. Manmohan Singh Scholarships
 C) Oxford and Cambridge Society of India Scholarships.
 D) USIEF Fulbright-Nehru Fellowships.
110. Indian constitution day is celebrated on
 A) December 10 B) January 26 C) April 22 D) November 26
111. Who captained Indian Hockey team in the Rio Olympics?
 A) P.R. Sreejesh B) Ramandeep Singh
 C) Bharat Chetri D) Manpreet Singh

