1. The appropriate method to study the behaviour of animals and mental patients.
   1. Introspection method
   2. Experimental method
   3. Longitudinal method
   4. Observation method

2. The Scientist who stated that the children are born with innate language abilities.
   1. Skinner
   2. Chomsky
   3. Bandura
   4. Watson
3. Not attending to the interview assuming that I will not get the job because thousands of people are attending to the interview for only very few jobs, defense mechanism adopted here is
   1. Withdrawal
   2. Regression
   3. Reversing motive
   4. Sublimation

4. A student is able to draw pictures efficiently without any training because of his.
   1. Attitude
   2. Aptitude
   3. Interest
   4. Experience
5. According to Gardner the intelligence possessed by sports men is.
   1. Bodily kinaesthetic intelligence
   2. Interpersonal intelligence
   3. Naturalistic intelligence
   4. Visual spacial intelligence

6. The painful emotional state created in a person as a result of contrasting desires.
   1. Conflict
   2. Stress
   3. Frustration
   4. Maladjustment
7. According to Erickson High School children face this psycho social critical situation.
   1. Industry vs Inferiority
   2. Initiative vs Guilt
   3. Role Identity vs Role confusion
   4. Intimacy vs Isolation

8. According to Thorndike this part of the brain influences mechanical intelligence by controlling motor skills of a person.
   1. Diencephalon
   2. Fore Brain
   3. Hind Brain
   4. Mid Brain
9. In the stages of Human development this stage is called as 'Adjustment stage'

1. Adulthood
2. Middle age
3. Adolescence
4. Childhood

10. The child is habituated to drink milk through feeding bottle. When offered milk in a tumbler instead of feeding bottle, first he tries his old way of drinking i.e., sucking, afterwards he picks up the new way of drinking. This cognitive process is called.

1. Accommodation
2. Assimilation
3. Organization
4. Equilibrium
11. Ramesh has to cross the river and go to neighbouring village to write exams. One day he is unable to attend the exam due to floods. The obstacle faced by Ramesh is.

1. Social Environment obstacle
2. Physical obstacle
3. Physical Environment obstacle
4. Mental obstacle

12. The play in which children do not share their play things but imitate one another and continue their play is known as,

1. Solitary play
2. Parallel play
3. Social play
4. Symbolic play
13. Sumanth learnt to play cricket, now he wants to learn computer. The type of transfer of learning in this context is

1. Positive transfer
2. Negative transfer
3. Zero transfer
4. Bilateral transfer

14. Ganesh learnt a list of 25 meaningless words in 20 attempts. After one month, when he was asked to relearn the same list, he took 14 attempts to learn. Saving score of Ganesh is

1. 30%
2. 40%
3. 60%
4. 70%
15. Sumalatha doesn’t know Sanskrit, but she can recite Sanskrit slokas in Bhagavatgeetha without any mistake. The memory of Sumalatha is

1. Passive Memory
2. Rote Memory
3. Logical Memory
4. Sensory Memory

16. Direct, Indirect, alternative and self reinforcement were proposed by

1. Bandura
2. Skinner
3. Pavlov
4. Vygotsky
17. **Author of the book “Animal Intelligence : Experimental Studies”**
   1. Thurstone
   2. Skinner
   3. Thorndike
   4. Kohler

“అంటే కుంభాద్రి ఒకపైన” ఎన్నికలు సూచిస్తున్నారు.
   1. చిత్రానారాయణ
   2. వనాసానారాయణ
   3. శివనారాయణ
   4. ద్వారానారాయణ

18. In Pavlov experiment, the dog salivated only for the sound of the bell for which it was conditioned, but not salivating to other sounds. This is because of

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<td>1.</td>
<td>Stimulus generalization</td>
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<td>2.</td>
<td>Stimulus discrimination</td>
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<td>3.</td>
<td>Extinction</td>
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<td>4.</td>
<td>Higher order conditioning</td>
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పావోల్ సమస్యను చూపిస్తుంది. ఎందరోలోని అదవి బెల్తును పిలిచే ఉంటే పావోల్ బెల్తును పట్టివేయడానికే కారణం ఉంది. అతను ప్రతి సౌత్నం పిలిచే ఉంటే పావోల్ సమస్య యొక్క కారణం ఉంది.

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| 1. | లేదే స్పీకర్ మిలియన్ రోడును పిలిచే 2. లేదే స్పీకర్ మిలియన్ 3. వహింతం 4. ప్రతి సౌత్నం పిలిచే ఉంటే పావోల్ సమస్య యొక్క కారణం ఉంది.
19. The first person who used teaching machines is
   1. Pavlov
   2. Thorndike
   3. Pressey
   4. Freud

20. Scaffolding means
   1. Offering support
   2. Prediction
   3. Near
   4. Making parts
21. One of the following is related to psychomotor domain
   1. Imitation
   2. Analysis
   3. Responding
   4. Valuing

22. The most appropriate meaning of learning is
   1. Acquisition of skills
   2. Modification of behaviour
   3. Personal adjustment
   4. Gathering information
23. In the order of teaching to mentally-retarded, awarding points, money etc. is regarded as this type of reinforcement.

1. Social
2. Secondary
3. Primary
4. Natural

24. During Enquiry based learning, the student

1. Gives importance to product rather than process
2. Depends on teacher to get knowledge
3. Uses inquiry for learning
4. Depends on bookish knowledge
25. The correct statement with regard to opinions of Piaget and Bruner on teaching process is,

1. Piaget opines that there is no relation between teaching and maturity of the child
2. Bruner opines maturity of the child is most important for teaching.
3. Bruner opines that there is no relation between teaching and maturity of the child
4. There is no difference of opinion between Piaget and Bruner with regard to teaching and maturity of the child
26. According to Bartlet, the leaders who possess special competency in a particular area and can show impact on a group though they have no relationship with the members of the group are called as

1. Experts
2. Institutional leaders
3. Dominant leaders
4. Persuasive leaders

27. Right to expression belongs to this category of child rights

1. Right to participate
2. Right to Survive
3. Protection Rights
4. Right to develop
28. As per CCE the teacher responsible to teach Art and culture education is

1. Language Teacher
2. Mathematics Teacher
3. Physical Education Teacher
4. Science Teacher
29. The following is not the concept of NCF-2005 with regard to Languages

1. English should have a place on par with other Indian languages
2. Home language is not required
3. Preparation of subject-wise dictionaries lessens the burden of the students.
4. Language is a source for enriching the social life.

30. The right of Education is

1. related to Access only
2. related to Enrollment and Access only
3. related to Access, Enrollment, Quality and Equity
4. related to Access, Enrollment and Quality only.

విష్ణురాశి సిద్ధి

1. ‘సోమారు’ యొక్క స్థానం ప్రత్యేకత
2. నిర్మలం మాదిరి పదందర్శించడం పరిపాలనలు
3. సోమారు, నిర్మలం, నిర్మలం మాదిరి పరిపాలనలు
4. సోమారు, నిర్మలం మాదిరి పరిపాలనలు ప్రత్యేకత
अथ: दत्तं श्लोकं पठित्वा प्रश्नानं समुचितानि समाधानानि चिन्वन्तु।
एकेनापि सुवृक्षेण पुष्पितेन सुगंधिना।
वासितं तद्वनं सर्वं सुपुष्पेन कुलं यथा॥

31. अनेन वचनं सर्वं वासितं भवति।
   1. एकेन बृक्ष्णापि
   2. पुष्पितेन एकेन बृक्षेणापि
   3. पुष्पितेन सुगंधिना एकेन सुवृक्षेणापि
   4. बृक्षसमूहेनापि

32. अनेन कुलं वासितं भवति।
   1. पुष्पेन
   2. सुपुष्पेन
   3. पुष्पसमूहेन
   4. अपुष्पेन

अथ: दत्तं अनुच्छेदं पठित्वा प्रश्नानं समुचितानि समाधानानि चिन्वन्तु।

योग्य: पुत्र: अर्थं ये देत् धनसम्पदानं व्यर्थेमेव। योग्य: पुत्र: पोषणं स्वयं जीवितं। पित्यार्जितं न काङ्क्षितं। अयोग्य: पित्यार्जितं भूरि दत्तमपि नाशयितं। अर्थात् पुत्र: योग्य: कर्त्तव्य: हृदयः।

33. योग्य: पुत्र: किं न काङ्क्षितं?
   1. स्वार्जितं
   2. परार्जितं
   3. पुत्रार्जितं
   4. पित्यार्जितं
34. अनुच्छेदों में कान् उद्दिश्य बोधयति।
   1. पिन्धू।
   2. अयोग्यान्
   3. पुञ्जान्
   4. पुञ्जी:

35. “मनसा सततं स्मरणीयम्” इति गेयस्य रचयिता
   1. जनार्दन हेमेन्द्र
   2. दोर्बल प्रभाकर शर्मा
   3. डा. श्रीधर भास्कर वर्मेकर
   4. गुण्डेश्वर गणपत्यहोऽः

36. “सिंहदिलीपयोः संवादः” इति पाठवभागः अस्मात् काव्यात्
   स्वीकृतः।
   1. रघुवंशात्
   2. कुमारसंभवात्
   3. मेघसंदेशात्
   4. किरातार्जुनीयात्

37. कराला का आनीतवती?
   1. मापिकां
   2. लेखनीं
   3. घण्टां
   4. कुश्तिकां
38. अथ: दत्तेषु एकपात्रप्रक्रियाप्रयुक्तः पाठ्यभागः कः ?
1. दातित्वम्
2. सुभाषितानि
3. भगवान् असित किं?
4. रुद्रमेदेवी

39. “रक्षत वृक्षकान्” इति पाठ्य उदेश्यः अयं भवति।
1. प्रवृत्ते: उपयोगकौशलसम्पादनम्।
2. छापेशु जन्तूनां विषये दयागुणसंवर्धनम्।
3. उत्तम भैरोणुस्य संवर्धनम्।
4. देनवदिन्या: लेखनाभ्यासस्य वर्धनम्।

40. “व्यासविनीन्द्रिा गणेश लिखिता महाभारते पुष्पकथा”
इति करिमन् गेष्ये असित्।
1. आगच्छलेत: बालाः ......
2. सादरः समीयताम् ......
3. जागृहि तवं भारतीय ......
4. सुरसमुवौधा विभ्यमनोज्ञा ......

41. वैश्वानरः कः ?
1. समीरः
2. श्रसनः
3. अग्निः
4. पवनः
42. विद्या ददाति विनयम्। रेखाकृतिपदस्य विरूढ्धार्थकपदं चिन्वन्तु।
   1. विनायकम्
   2. अविनयम्
   3. बैनतेयम्
   4. विवरणम्

43. अम्बोजः इति पदस्य व्युत्पत्तिं चिन्वन्तु।
   1. अम्बाया: अपत्तं पुमान्
   2. अं इति भजनं करोति
   3. अप्सु जायत इति
   4. अहं भोजः इति

44. “छात्रेण परीक्षा लिख्यते” इति कर्मणि वाक्यस्य कर्तव्यां चिन्वन्तु।
   1. छात्र: परीक्षा लिख्ति।
   2. छात्रं परीक्षा लिख्यते।
   3. छात्र: परीक्षा लिख्यते।
   4. छात्रं परीक्षा लिख्ति।

45. वृक्षः सदा ......................... (रक्ष + तव्यत्)।
   1. रक्षितव्यः
   2. रक्षितव्यान्
   3. रक्षितव्यम्
   4. रक्षितव्यः
46. “श्लोकः” इति पदस्य समुचितविभक्तिं वचनश्च चिन्वन्तु ।

1. द्वितीया एकवचनम्
2. द्वितीया द्विवचनम्
3. तृतीया बहुवचनम्
4. तृतीया बहुवचनम्

47. मित्राणि! वर्यं अरसाकं गृहकार्य .......................... ।

1. करवाणि
2. करवाम
3. करवाव
4. कुरुत

48. “दात्रोदार्यम्” इति पदं विभजन्तु । ........................

1. दातृ + औदार्यम्
2. दातृ + रोदार्यम्
3. दातृ + औदार्यम्
4. दातृ + औदार्यम्

49. अधः दत्तेषु विकल्पषु बहुव्रीहि समासस्य संबंधं पदं चिन्वन्तु ।

1. पश्चवती
2. नीलोत्पलम्
3. वुशारुढः
4. काकपिको
50. “तापेन श्राजते सूर्यः शूरश्रापेन राजते” अरिमन् पादे
कः अल्क्रारः विद्यते।

1. अप्रस्तुतप्रशंसाल्क्रारः
2. दीपकाल्क्रारः
3. हष्टान्ताल्क्रारः
4. रूपकाल्क्रारः

51. मध्यलघोः सम्बलं गणं चिन्वन्तु।

1. “र” गणः
2. “ळ” गणः
3. “भ” गणः
4. “ज” गणः

52. अधः दत्तेषु कः वेदाङ्गेषु नान्तर्भवति।

1. छन्दः
2. कल्पः
3. शिक्षा
4. संहिता

53. कृत्यं व्याकरणं केन प्रोक्तम्।

1. वाल्मीकिनिना
2. पाणिनिनिना
3. व्यासेन
4. भासेन
54. Arise, Awake and stop not till the good is reached.

इति आकळभाषा वाक्यस्य समुचितं संस्कृतभाषानुवाद वाक्यं चिन्वन्तु।

1. जागृति त्वं भारतीय प्रभातं समुपस्थितम्।
2. व्राहो मुहूर्तं उत्तिष्ठेत्।
3. उत्तिष्ठ, जागृत, प्राप्यवरान् निबोधित।
4. उत्तिष्ठत भो तव जागरणम्।

55. पाठशालास्ते संस्कृताध्ययनं किंमतं अनिवार्य स्थानं।

1. छात्रा: अन्यभाषां जानीयः।
2. छात्रेषु राष्ट्रस्य एकताय: अखण्डताया: च भावनाया: विकासाय संस्कृतं सहायकं भवति।
3. संस्कृतभाषा पोषणाय छात्रे: संस्कृताध्ययनं कारणीयम्।
4. भारतश्च परम्पराया: संस्कृतं प्रतीकं: संस्कृतस्त।

56. प्रथमं क्रृष्टं पूर्णाङ्कृति दर्शित्वा क्रमशः तस्य मूलं-शाखा:
- पत्राणि इत्येतादशाश्च विषयान् अध्यापकं बोधयति चेतु तत्र कौशलं सूतं भवति।

1. झातांद्वारं प्रति
2. अनुभवात् कठिनं प्रति
3. स्थूलात् सूक्ष्मं प्रति
4. पूणंडंशं प्रति
57. उद्घारणसंस्कृतत्विधिपु अर्य नान्तरभवति।
   1. अनुकरणम्
   2. आवृत्ति:
   3. रूपरेखानुकरणविधि:
   4. अवरोध:

58. “फोबेल्” मतानुसार भाषाशिक्षणे कस्य कौशलस्य प्रथम स्थानं कल्पितम्?
   1. वाचनम्
   2. लेखनम्
   3. उभो
   4. नोभो

59. विषयस्य दृष्यमाध्यमेन स्पष्टीकरणं कथा रचनाप्रक्रियया साध्यते।
   1. कथा
   2. नाटकम्
   3. वर्णनम्
   4. निबन्धः
60. शिक्षणविधीनां समीकरणे शिक्षास्तरस्य उल्ललीकरणे च किसहायकं भवति।

1. मूल्यांकनम्
2. पाठ्योजना
3. पाठ्यपुस्तकम्
4. कृष्णफलकम्
61. Hari made an earth-shaking decision.
The synonym of ‘earth-shaking’ is:

1. valuable
2. dangerous
3. important
4. small

62. I finished my dinner. Then my father came.
The above sentences can be combined as:

1. As my father came in, I finished my dinner
2. After my father came, I finished my dinner
3. I finished my dinner, so my father came in
4. My father came in after I had finished my dinner

63. This is a beautiful story, ………………..
Choose the correct question tag to complete this sentence

1. isn't this ?
2. isn't it ?
3. doesn't it ?
4. is this ?

64. The cow gives milk.
The correct 'Yes / No' question of this sentence is:

1. Is the cow gives milk ?
2. Does the cow gives milk ?
3. Does the cow give milk ?
4. Did the cow give milk ?
65. Are you studying .......... for your exams?
Choose the grammatically correct form of the word to complete the meaning of the above sentence.

1. Very serious
2. Serious
3. Seriously
4. Seriousness

66. The contracted form of 'will not' is:

1. wouldn't
2. will not ?
3. won't ?
4. ll'not ?

67. The verb form of 'pretension' is:

1. pretende
2. pretene
3. preten
4. pretend

68. If there .......... trees, there would be no life on earth
Choose the grammatically and meaningfully correct expression to fill in the blank.

1. not were
2. was not
3. were no
4. are no
69. Raman passed away on November 21, 1970.
The meaning of 'passed away' is:
1. death
2. killed
3. was killed
4. died

70. Choose the word that means 'the study of the cultures of the past'.
1. Archaeology
2. Physiology
3. Psychology
4. Geology

71. Choose the sentence that has a defining relative clause.
1. Hari, who is my friend, has won the prize.
2. Swathi, who is my daughter, has passed the exam.
3. Mohan who came from Guntur stood first.
4. She said that she was good at English.

72. 'A person who hates women' is:
1. misogynist
2. fatalist
3. monogamy
4. ambiguous

73. I do not have enough clothes for my journey.
This sentence expresses:
1. capacity
2. inadequacy
3. doubt
4. possibility
74. He goes to ........ school regularly.
Choose the article that fits the context
1. a
2. an
3. the
4. No article is needed.

75. Seeing the police, the thief ran away.
This sentence is:
1. a compound sentence
2. a conditional sentence
3. a simple sentence
4. a complex sentence

76. Choose the word with wrong spelling.
1. precocious
2. moustache
3. straight
4. vulgar
Read the following passage and choose the correct answers to the questions [77–79] given after

Journalists argue over functions of a newspaper. I feel that a provincial paper's purpose is not only to present and project the news objectively and imaginatively, but to help its readers to express themselves more articulate their demands. A newspaper should reflect the community it serves warts and all. When the mirror is held to society it reveals neglect, injustice, ignorance or complacency. It should help to eradicate them. It would be pretentious to think that a newspaper can change the course of world affairs – but at the local limit, it can exert influence, it can probe, it can help get things done. The individual's voice must not be stifled. Instead, the reader should be encouraged to express their opinions, fears, hopes and their grievances on this platform.

77. The following is the purpose of a newspaper.
   1. To present facts in a blunt way
   2. To encourage the readers to be pretentious
   3. To project news objectively and imaginatively
   4. To exert influences on the individuals.

78. The readers can air their grievances:
   1. by writing to their local newspaper
   2. by writing to local officials
   3. by supporting the local newspaper
   4. by being complacent

79. Choose the false statement.
   1. Newspaper should help its readers to express themselves.
   2. Newspapers should reflect the community it serves.
   3. Newspapers should not stifle the individual's voice.
   4. Journalists never argue over the functions of a newspaper.
80.  He is not good. He is not kind.
     These two sentences can be combined as:
     1.  He is neither good nor kind.
     2.  He is not good but kind.
     3.  He is good and kind.
     4.  He is either good or kind.

81.  Choose the sentence that expresses ability.
     1.  She can pass the examination.
     2.  She will pass the examination.
     3.  She may help you.
     4.  She should help you.

82.  I had scarcely put the phone down …………. it rang again.
     Choose the correct word to complete the meaning of the sentence above.
     1.  later
     2.  than
     3.  when
     4.  then

83.  Choose the word that can be used to write an adverbial clause of condition:
     1.  If
     2.  As
     3.  Since
     4.  Because
84. Choose the correct spelling of the word.
   1. rejuvenate
   2. rijivinate
   3. rijuvenate
   4. rejuvinate

85. 'Syllabification' means:
   1. breaking a word into syllables
   2. combining two syllables into one
   3. removing vowel sounds from words
   4. adding a consonant to every syllable

86. Choose the word that has the stress on the first syllable.
   1. debate
   2. downstairs
   3. vibrate
   4. electrical
87. The two main types of evaluation are
   1. syllabus and Curriculum
   2. descriptive and objective
   3. deductive and inductive
   4. formative and summative

88. Reinforcement is a skill that involves
   1. revision and recognition
   2. recalling and reordering
   3. recapitulation
   4. repetition, summarizing, probing questions, clarification and illustration.

89. (CLT) Communicative Language Teaching believes that
   1. Language learning happens best when the atmosphere is relaxed and learner receives encouragement
   2. Language learning happens when the atmosphere is rule based
   3. Language learning happens best when the teacher dominates the class while teaching.
   4. Language learning happens when reading is given top priority.

90. The king who commissioned scholars to translate the English Bible and write it in modern English is
   1. King Herod
   2. King Moses
   3. King Joseph
   4. King James
91. If $\sqrt{2} = 1.4142$ then the value of $\frac{\sqrt{2} - 1}{\sqrt{2} + 1}$ is equal to

$$\sqrt{2} = 1.4142 \Rightarrow \frac{\sqrt{2} - 1}{\sqrt{2} + 1} = \text{value}$$

1. 5.8232
2. 2.4142
3. 0.4142
4. 0.1718

92. A twodigit number which is a square number and also a cube number is

1. 81
2. 64
3. 49
4. 27

93. In $BA \times B3 = 57A$, $BA$, $B3$ are two digit numbers and $57A$ is a 3 digit number then the value of $A + B$

1. 2
2. 5
3. 6
4. 7
94. If cost price of 6 articles is equal to selling price of 4 articles then the percentage of gain is

6 manthram bhadram 4 manthro bhadram teertham samastham sethram

1. 12\frac{1}{2} \%
2. 25\%
3. 50\%
4. 75\%

95. In what time Rs. 800 amounts to Rs. 882 at 5% per annum compounded annually is

800 ko 882 ko sakalam 5\% yarjuni seem samvapena 882

1. 2\frac{1}{2} years
2. 1\frac{1}{2} years
3. 1 year
4. 1\frac{1}{2} years

96. If the 2\text{nd} term of an A.P is 13 and 5\text{th} term is 25 then its 7\text{th} term is

2nd term 13, 5th term 25, 7th term?

1. 30
2. 33
3. 37
4. 38
97. If \( \frac{1}{2} \) is a root of the equation \( x^2 + Kx - \frac{5}{4} = 0 \) then the value of K and second root respective are

1. \( \frac{1}{4} \) and 2
2. \(-2\) and \( \frac{5}{2} \)
3. \( 2\) and \( -\frac{5}{2} \)
4. \( \frac{1}{2} \) and 2

\[ x^2 + Kx - \frac{5}{4} = 0 \]

98. If \( \frac{x}{y} + \frac{y}{x} = -1 \) \((x, y \neq 0)\) then the value of \( x^3 - y^3 \) is

\[ \frac{x}{y} + \frac{y}{x} = -1 \] \((x, y \neq 0)\) \(\Rightarrow x^3 - y^3 \) ఎంత ఉంటుంది

1. \( 1 \)
2. \(-1\)
3. \( 0 \)
4. \( \frac{1}{2} \)
99. Let \( A = \{ x \mid x \text{ is a multiple of 3 lies between 1 and 100} \} \)
\( B = \{ x \mid x \text{ in a prime number less than 20} \} \)

Then \( n(A) + n(B) \) is

\[ A = \{ x \mid x \text{ between 1 and 100 which are divisible by 3} \} \]
\[ B = \{ x \mid x \text{ a prime number less than 20} \} \]

Then \( n(A) + n(B) \) is

1. 33
2. 38
3. 40
4. 41

100. If Set ‘A’ has 64 subsets, then number of elements in Set ‘A’

\[ \text{If set 'A' has 64 subsets, then number of elements in set 'A'} \]

1. 4
2. 6
3. 8
4. 32

101. The lengths of the diagonals of rhombus are 16cm and 12cm. Then

\[ \text{The lengths of the diagonals of rhombus are 16 cm and 12 cm. Then} \]

1. 8
2. 9
3. 10
4. 20

102. \( \Delta ABC \sim \Delta EDF \) and \( \Delta ABC \) is not similar to \( \Delta DEF \) which of the

\[ \Delta ABC \sim \Delta EDF \text{ and } \Delta ABC \text{ is not similar to } \Delta DEF \text{ which of the} \]

following is not true.
\( \triangle ABC \sim \triangle EDF \) మాము ఛద్మ రెండు రెండు పట్టిక ఉన్నాయి. ఇందువల్ల
కలిసిన జరిగి ఉండాలి విస్తారం.

1. \( BC.EF = AC.FD \)
2. \( AB.EF = AC.DE \)
3. \( BC.DE = AB.EF \)
4. \( BC.DE = AB.FD \)

103. It is known that if \( x + y = 10 \) then \( x + y + z = 10+z \). The Euclid’s axiom that illustrates the statement is …

1. First Axiom
2. Second Axiom
3. Third Axiom
4. Fourth Axiom
104. The Points A(9, 0), B(9, 6), C(−9, 6) and D(−9, 0) are the vertices of

1. Square
2. Rectangle
3. Rhombus
4. Trapezium

105. If line segment $PQ$ intersects Y-axis and X-axis at P and Q respectively. The midpoint of $PQ$ is (2, −5) then the co-ordinates of P and Q are respectively.

1. (0, −5) and (2, 0)
2. (2, 0) and (0, −5)
3. (0, 4) and (−10, 0)
4. (0, −10) and (4, 0)
106. If \( x > 0 \) and \( y < 0 \) then the point \((-x, y)\) is lies in quadrant is

1. Quadrant-I
2. Quadrant-II
3. Quadrant-III
4. Quadrant-IV

\( x > 0 \) and \( y < 0 \) అని పేరుతో \((-x, y)\) ని ఎందుకు నిలువు?

1. నిరుత్తు నిలువు
2. సూపరు నిలువు
3. స్యాయాచర నిలువు
4. నిరుత్తు నిలువు

107. The formula to find the lateral surface area of cylinder is

1. \( 2\pi rh \) sq. units
2. \( 2\pi r (h+r) \) sq. units
3. \( \pi r^2h \) sq. units
4. \( \pi rl \) sq. units

చివర చెట్టిను నిరుత్తు పైసు పైసు నిలువు నిరుత్తు నిలువు?

1. \( 2\pi rh \) నిలువు.
2. \( 2\pi r (h+r) \) నిలువు.
3. \( \pi r^2h \) నిలువు.
4. \( \pi rl \) నిలువు.
108. The length of the longest pole that can be placed in a room of dimensions 10m $\times$ 10m $\times$ 5m is in metres.

10m $\times$ 10m $\times$ 5m रूबाळ का वां लग का रूबाळ 30 किली 5 मिटर का अमो 10 मिटर 10 मिटर 5 मिटर का अमो

1. 10
2. 15
3. 20
4. 25

109. The base of right angled triangle is 8cm and hypotenuse 17cm then its area is in sq. cms.

8 सें.मी. माकक का वां 17 सें.मी. 

1. 60
2. 68
3. 120
4. 136

110. The mean of five numbers is 30, if one number is excluded, their mean becomes 28 then the excluded number is

30, अमो 28 मिटर अमो अमो....

1. 28
2. 30
3. 35
4. 38
111. The median of a frequency distribution is found graphically with the help of
1. Histogram
2. Frequency Curve
3. Frequency Polygon
4. Ogive Curve

112. A bag contains 3 red balls, 5 white balls and 7 black balls then the probability that a ball drawn at random will be neither red nor black is

1. \( \frac{1}{5} \)
2. \( \frac{1}{3} \)
3. \( \frac{2}{3} \)
4. \( \frac{7}{15} \)
113. If \( \tan (A + B) = \sqrt{3} \) and \( \tan (A - B) = \frac{1}{\sqrt{3}} \) (A, B are acute) then the value of \( \tan 3A \) is

\[
\tan (A + B) = \sqrt{3} \quad \text{and} \quad \tan (A - B) = \frac{1}{\sqrt{3}} \quad (A, B \text{ are acute})
\]

\( \tan 3A \) can be

1. 0
2. 1
3. -1
4. Not defined (అధికారితి లేదు)

114. A pole stands vertically on the ground. 20 m. long rope tied from the top of vertical pole to a nail at a point on the ground. If the angle made by the rope with ground level is 30° then the height of the pole in meters is

\[
\text{ప్రధానంగా మీదుగా మనిషి ముగ్ళాంశాలను చేసేది. తత్తు మీదుగా మనిషి}
20 మీ. రుచేది కలదు మొదటి ముగ్ళాంశాలను చేసేది. తత్తు మీదుగా 30° నుండి మీదుగా మొదటి ముగ్ళాంశాలను చేసేది}

1. 20
2. 10
3. \( 10\sqrt{3} \)
4. \( \frac{20}{\sqrt{3}} \)
115. The author of the book “Data”

1. Pythagoras
2. Euclid
3. Thales
4. Archimedes

“లవ” (సంఖ్య విభాగం)

1. పితాహారా
2. ఎయూకీడ్
3. థాలెస్
4. ఆర్కిమీడీస్

116. The academic standard relating to present Mathematics textbooks

1. Understanding
2. Application
3. Communication
4. Skill

ప్రామాణిక స్థాయి పఠన పరిభాషలు (పాఠ్యపుస్పండి సంఖ్యా విభాగానికి) ఎదిగెలించడానికి సందర్భాలను,

1. అభివేదన
2. అభివృద్ధి
3. సంచాలనానికి
4. సంచాలనానికి
117. Limitation in Analytic Method

1. Long Procedure
2. Logical Method
3. Develops Heuristic attitude
4. Clarity in conceptual understanding

118. The software that doesn’t useful to Mathematics teaching and learning

1. Geogebra
2. Equation Grapher
3. Mathcad
4. Chemdraw
119. The question form that does not belong to objective type

1. Multiple choice
2. Essay type
3. Matching
4. Alternative responses

120. The plan that is not an internal part of instructional planning

1. Curriculum
2. Annual plan
3. Unit plan
4. Lesson plan
121. The role of aeration in "waste water treatment plant" is to

1. change the odour
2. kill the germs
3. filter the waste material
4. break down the waste material faster

122. Solar eclipse occurs when

1. Shadow of moon falls on earth
2. Shadow of sun falls on earth
3. Shadow of moon falls on sun
4. Shadow of sun falls on moon
123. If the incident ray makes an angle of $37^0$ with the plane mirror, then the angle of reflection is

1. $37^\circ$
2. $53^\circ$
3. $127^\circ$
4. $0^\circ$

124. A magician during a show has placed a glass lens of refractive index 1.47 in a trough of liquid and made it to disappear. The refractive index of the liquid is

1. Equal to 1.47
2. More than 1.47
3. Less than 1.47
4. 0
125. Special design of aeroplane is to

1. Reduce static friction
2. Increase static friction
3. Reduce fluid friction
4. Increase fluid friction

126. Which of the following is a natural magnet.

1. Electromagnet
2. Alnico magnet
3. Load stone magnet
4. Neodymium magnet
127. Dry hydrogen chloride gas is not an acid, because it does not contain,
1. Neutrons
2. Hydrogens
3. Hydrogen ions
4. Hydroxyl ions

128. The incorrect statement regarding the reactivity of metals is
1. Copper is unable to displace zinc from zinc sulphate
2. Copper is unable to displace iron from iron sulphate
3. Iron is unable to displace zinc from zinc sulphate
4. Zinc is unable to displace copper from copper sulphate
129. The reaction in which a solid gets separated from the solution is
1. Neutralization reaction
2. Sublimation reaction
3. Precipitation reaction
4. Redox reaction

130. Which of the following sets of quantum numbers are not possible?
1. \( n = 1, \ l = 1, \ m_l = 0, \ m_s = +\frac{1}{2} \)
2. \( n = 1, \ l = 0, \ m_l = 0, \ m_s = +\frac{1}{2} \)
3. \( n = 2, \ l = 1, \ m_l = 1, \ m_s = +\frac{1}{2} \)
4. \( n = 2, \ l = 1, \ m_l = 0, \ m_s = +\frac{1}{2} \)

131. The incorrect pair among the following is
1. chalcogen - sulphur
2. halogen – chlorine
3. noble gas - oxygen
4. alkali metal – sodium
132. The one and only method available to extract highly reactive metals from their ores is

1. auto reduction
2. smelting
3. liquation
4. electrolysis

అత్యంత రాతిచిత్తుల లాంటి బిందువులను ప్రతిఫలించడానికి సమర్థమైన మాధ్యమం అనేది ఈ రెండింటిలో ఒకటి మాత్రం ఉండేది:

1. ఎంపిక నియంత్రణ
2. నియంత్రించడానికి
3. నియంత్రించడానికి
4. నియంత్రించడానికి
133. A carrier woman for colour blindness marries a normal man. Their children will be…

1. 50% girls are colour blind, All boys normal
2. 50% girls are carriers, 50% boys colour blind
3. All girls are normal, All boys colour blind
4. 50% girls, 50% boys colour blind

134. The organisms with hollow bones

1. Fishes
2. Frogs
3. Birds
4. Reptiles
135. Identify the pair of plants with complete flower

1. Ipomea and Cucumber
2. Datura and Cucumber
3. Cucumber and Hibiscus
4. Hibiscus and Ipomea

136. Pick out the disease caused by Bacteria

1. Mumps
2. Malaria
3. Tuberculosis
4. polio
137. Pick out non secondary sexual character from the following

1. The organs to identify boys and girls
2. Growth of hair on chest
3. Growth of hair at the genital organs
4. Growth of breasts in Girls

138. In humans the equilibrium of the body is maintained by

1. Hands
2. Vestibular apparatus
3. Cochlea
4. Organ of Corti
139. The worker bee in the honey comb is
   1. Fertile Male
   2. Sterile Male
   3. Fertile Female
   4. Sterile Female

140. The low light intensity area in a fresh water lake is
   1. Littoral zone
   2. Euphotic zone
   3. Profundal zone
   4. Limnetic zone
141. The correct sequence in the formation of urine.

1. Tubular re-absorption → Glomerular filtration → Tubular secretion → Hypertonic Urine.

2. Tubular re-absorption → Tubular secretion → Glomerular filtration → Hypertonic Urine.

3. Glomerular filtration → Tubular re-absorption → Tubular secretion → Hypertonic Urine.

4. Glomerular filtration → Tubular secretion → Tubular re-absorption → Hypertonic Urine.
142. The circular DNA is present in
A) Bacteria B) Mitochondria C) Golgi D) Plastids
1. A only
2. A and B
3. A, B and D
4. A, B and C

వంపించే DNA ఎందుకు లాంటినట ఉంటే?
A) బియోలాగికలు B) సిస్టీంలు C) గోల్గి D) పలసిడ్స్
1. A మాత్రమే
2. A మాత్రమే B
3. A, B మాత్రమే D
4. A, B మాత్రమే C

143. The method used to detect cancer is
1. ECG
2. MRI
3. ELISA
4. BIOPSY

పోర్స్టెన్ ను పరిశీలించడానికి ఆధారాన్ని ఉంటే.
1. ECG
2. MRI
3. ELISA
4. మసారపు
144. Generally the embryosac in flowering plants will have

1. 6 cells and 6 nuclei
2. 6 cells and 7 nuclei
3. 7 cells and 7 nuclei
4. 7 cells and 8 nuclei

అంశాదాదం అయినపుడు మంచు ఇవి ఎలా కచిట్టుండి

1. 6 కార్యాంశం మరిచి 6 నిరాకరించరావు
2. 6 కార్యాంశం మరిచి 7 నిరాకరించరావు
3. 7 కార్యాంశం మరిచి 7 నిరాకరించరావు
4. 7 కార్యాంశం మరిచి 8 నిరాకరించరావు
145. One of the following is referred to empirical knowledge
   1. Concepts
   2. Principles
   3. Theories
   4. Facts

146. The more concrete experience than a demonstration is
   1. Radio recording
   2. Television
   3. Study tours
   4. Motionless films
147. One of the following is a self observation technique

1. Rating scales
2. Interviews
3. Check lists
4. Records

148. Study of Biological Sciences develop knowledge and curiosity and stimulates search for truth. The value inculcated through this is

1. Intellectual value
2. Moral value
3. Aesthetic value
4. Cultural value
149. One of the following is not the purpose of lesson plan

1. Teaching proceeds in systematic manner
2. Time is not wasted
3. Enhances self confidence of teacher
4. Teaching proceeds haphazardly

150. Development of behavioural competencies through a group of experiences is

1. Core curriculum
2. Annual plan
3. Lesson plan
4. Unit plan