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 the 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 Identity 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 as the river is with 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 playing 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. Savings 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

“Animal Intelligence: Experimental Studies”

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

1. Stimulus generalization
2. Stimulus discrimination
3. Extinction
4. Higher order conditioning
19. Person used teaching machines

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 skill
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 for 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 children maturity.
2. Bruner opines maturity is most important for teaching.
3. Bruner opines that there is no relation between teaching and children maturity.
4. There is no difference of opinion between Piaget and Bruner with regard to teaching and children maturity.
26. According to Bartlet, the leaders because of their specialized competencies in one subject, haven’t relationship with and having impact over them. These leaders are called.

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

27. Right to expression belongs to under 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
1. Language Teacher
2. Mathematics Teacher
3. Physical Education Teacher
4. Science Teacher

29. The following is not the concept of NCF about Language
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 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.
31. پہلے مصروف میں جملہ "خورا"، استعمال کیا جائے ہے۔ جموردہ اصل نام ہے
1. کدکا
2. مدینہ کا
3. فارقا
4. زمزم کا

32. دوسرے مصروف میں "نخلہ کیا" استعمال کیا جائے ہے۔ جسے مرادہ ہے
1. قرآن مجید
2. عورات
3. ایا
4. عرب کے نماز ہیں کی شفائی کیا ؟
مندرجہ ذیل عبارت ہے، 33 اور 34 سوالات کے جواب دینے کے لئے اب زندگی کا آغاز نہیں ہے، جب میں نااہل اور افسانہ تک نہیں ہوئے جب اس کا جو سے داستان میں تک سیر کی بنی ایک تیلہ ہوئی اب میں اس دور میں بیدا بہت آنے ہے اس دور میں معاشرت کا آغاز کرنا ہے لیے ضروری ہونا۔ حالاً اگر ایک معاشرت کے مختلف بھی بنانے سے کیوں کہ معاشرت کا آغاز شوری طور پر کرتی ہے اور اب میں زندگی کا آغاز کہے لئے لا شوری طور پر کرتی ہے

33. زندگی کا آغاز کا بنا ہے

1. تاریخ
2. معاشرت
3. ادب
4. نااہل افسانہ

34. تاریخ معاشرت کا آغاز کرتی ہے

1. کمل طور پر
2. اراکشی طور پر
3. ادب کی طرح میں
4. شوری طور پر
35. مسجد علا، مدح نجدأ سلام، اس شعرة، جوهد علام

1. خواچ أساس طاف، خبیش حال
2. سر محمد اقبال
3. آخیراً کی وان
4. اخذ شیران

36. پیاده، خون کی کیمر، تفتی، دیکا سلام، اس کا ستاره، ایشیاء جاگ اشا، بختیاری، دیکا، بی شعری می‌توان یا

شاعری بهینه

1. استیلمی میر شن
2. موالا نا، لت خیال
3. جمال مثلثی
4. ولی سردار، جافری

37. "مزدوروک بانی کی،" لظم کے شاعری

1. شاعر امرا نئی دوچر
2. جوش، فتح، نظمی
3. بیمار کا، نظمی جمال مثلثی
4. محسن چاپلی
38. ذاكرزکر سعیین کا بائیل وطن تنا
   1. افضل خان
   2. شش خان
   3. خان خان
   4. خان خان

39. اپنی شاعری میں ملال کوموضوع یبکر او کے مکاتب کی ترتیبات کرنے والا شاعر
   1. غالب
   2. مولانا شاکر نجمی
   3. مورا رانا
   4. اختیار افی

40. پہرین شاکر 24 نوامبر 1952 کواس تنا میں پہلی پیج دو کی
41. दो चम्मी (ढोके) से लेकर धनी बनने तक हरेक ग्रामीण को आधिकारिक आदेश देकर क्या है?

1. 12
2. 14
3. 13
4. 10

42. वह किसी ग्रामीण की वस्त्र को छोड़कर नहीं लेकर चल जाता?

कौन?
1. नहीं
2. यात्रा
3. वस्त्र
4. मायाक

43. अश्रित के मूल भत

1. आधे
2. कांग
3. धज्जा
4. शिर
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<th>ضرح الثالث</th>
<th>کپیئےئے کیا ہے</th>
<th>معاوضہ کیا ہے</th>
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<th>کیا ہے</th>
<th>معاوضہ کیا ہے</th>
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47. नीचे दिए गए प्रश्नों का उत्तर दें।

1. दो
2. तीन
3. चार
4. पांच

48. निम्नलिखित व्याख्याओं में से कौन सा सही है?

1. पाय पाय करना
2. पीछे पाय करना
3. मरदों पाय करना
4. गौरव करने पाय करना

49. शब्द और उदाहरण दिए गए क्षेत्र में से उपयोग किया जा सकता है?

1. अंशकारक
2. दोषिय
3. तावेज
4. अंशकारक मेल्ब
50. ودائم بعض الكلمات في خصوصية كتبنا، كبارتنا
1. نافل
2. مشغول
3. متنقن ضلع
4. صفت

51. صح يوفي كتبنا، كتبنا، كتبنا
مدرسي بالشريعة، من استعمالهم في صنع كتبنا
1. صنع تجسيس
2. صنع مضاوض
3. صنع مداخل
4. متابعة

52. حروف كتبنا، كتبنا، كتبنا
حرف عرف
1. علم عرف
2. علم ثوه
3. علم ثوها
4. حروف علت
53. غیر جاندار کے چھannel کی تجربت کبائی کی؟
1. جنہوں نے غیر طاقت
2. جنہوں نے طاقت
3. جنہوں نے دکر
4. جنہوں نے موت

54. کسی تحریف یا تفیل کو بہاچند حاکم تھی؟ کراپ ابلاطیہ?
1. صنعت تچین
2. صنعت تضام
3. صنعت سباذ
4. صنعت معلومات انتخاب

55. قوت گیا کیا انسان؟ کیا قدرت کا کوئی غیر کسی ہے یا کوئی بہت صنعت اس دنیا بنا سو سے انسان
کی?
1. سقت جانور
2. نوازتم ٹیل
3. نوازتم بیاند
4. عظیم چلوی
56. "پاکی مینا نظریاں" کو چیزیں کے والی اسیکیاں ہے
1. روسر
2. بھری سیںت
3. نوازے
4. اٹک اطلاع

57. زبان کو کبھی قومی میں اس کی چیس کے بین
1. تین
2. دو
3. پچاں
4. چوٹ

58. علم انسان کے اجزا کے ترکیبی طر
1. دو
2. تین
3. پچاں
4. پائی
1. میں نے پیر پڑھنے کے لیے بھی کتنی فائیر کی ہوئی ہے؟
2. اپنے میں کیوں بھی پیر پڑھنے کے لیے بھی کتنی فائیر کی ہوئی ہے؟
3. پاہنے کا نام۔
4. اس کا نام کہیں تاریخ نام کے لیے کیوں۔

60. زید، دور، شوہر، سوکان اور تیزید کچھ ہیں۔
1. فرخ
2. تبریک
3. عرب
4. تفصیل
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. pretend
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
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. rijjuvenate
4. rejuvenate

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

\[
\frac{\sqrt{2} - 1}{\sqrt{2} + 1} = 1.4142
\]

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

---

92. The two digit number which is square number and also 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 \( A + B \)

\[
BA \times B3 = 57A
\]

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

اگر 6 اشیاء کی قیمت خرید 4 اشیاء کی قیمت فروخت کے مساوی ہو، تب ناٹ کا نچہ

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

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

کل ₹ 800 ریال کو 5% شرح مودم کے حساب سے تبدیل ₹ 882 تک ہونے کے لیے ضروری مدت

1. 2 سال
2. $1 \frac{1}{2}$ سال
3. 1 سال
4. $1 \frac{1}{2}$ سال

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

اگر A.P کا جِل کا دوسرے تک 13 اور پنجمین رکن 25 تھا تو سیوشے کا چہاں

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

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

$$x^3 - y^3 = \frac{x}{y} + \frac{y}{x} = -1 \text{ (x, y ≠ 0)}$$

1. 1
2. $-1$
3. 0
4. $\frac{1}{2}$
99. Let $A = \{x \mid x$ is a multiple of 3 lies between 1 and 100$\}$

$B = \{x \mid x$ in a prime number less than 20$\}$

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

$A = \{x \mid x \leq 100$ and $x$ is a multiple of 3$\}$

$B = \{x \mid x$ is a prime number less than 20$\}$

$A = \{3, 6, 9, ..., 99\}$

$B = \{2, 3, 5, 7, 11, 13, 17, 19\}$

$n(A) + n(B) = 33 + 8 = 41$

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

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

Set ‘A’, $\{x \mid x$ has 64 subsets$\}$

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

101. The length of the diagonals of rhombus are 16cm and 12cm. Then the length of the side of the rhombus is in cm.

Diagonals of a rhombus are 16cm and 12cm.

1. 8
2. 9
3. 10
4. 20
102. \( \triangle ABC \sim \triangle EDF \) and \( \triangle ABC \) is not similar to \( \triangle DEF \) which of the following is not true.

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 $(-x, y)$ lies in quadrant is

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

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
108. The length of the longest pole that can be placed in a room of dimensions 10m × 10m × 5m is in metres.

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.

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

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

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 \( \tan 3A \)

1. 0
2. 1
3. -1
4. Not defined

\[ \tan (A + B) = \tan (A - B) = \frac{1}{\sqrt{3}} \]

114. A pole stands vertically on the ground. 20m. long ripe 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

\[ \text{height of pole} = 20 \times \sin 30^\circ = 10 \]

1. 20
2. 10
3. \( 10\sqrt{3} \)
4. \( \frac{20}{\sqrt{3}} \)
Paper-II Set-I Maths Methodology

115. The author of the book “Data”
1. Pythagoras
2. Euclid
3. Thales
4. Archimedes

116. The academic standard relating to Mathematics is
1. Understanding
2. Application
3. Communication
4. Skill
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. Chang 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. $37^0$
2. $53^0$
3. $127^0$
4. $0^0$

124. A magician during a show he placed 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. Hydrogen
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. liqutation
4. electrolysis
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

रंगोल कान्फ्लाइन्स (Colour blindness) प्रदान करते हैं (Carrier woman) जब एक नाम के साथ दाँत गिरते हैं

1. 50 दूध के लाखों में 50 रंगोल कान्फ्लाइन्स के साथ दाँत गिरते हैं, नाम के दाँत गिरते हैं 
2. 50 दूध के लाखों में 50 रंगोल कान्फ्लाइन्स के साथ दाँत गिरते हैं, नाम के दाँत गिरते हैं 
3. नाम के लाखों में 50 रंगोल कान्फ्लाइन्स के साथ दाँत गिरते हैं 
4. 50 दूध के लाखों में 50 रंगोल कान्फ्लाइन्स के साथ दाँत गिरते हैं

134. The organisms with hollow bones
1. Fishes
2. Frogs
3. Birds
4. Reptiles

हबल जिनके हैं खोखले ही जिनके सन् पाये हैं जीवितियाँ

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

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
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