1. Moral stage of a child who is drinking milk out of fear that his mother will scold him if he didn’t drink milk.
   1. 1st stage - pre conventional level
   2. 2nd stage - pre conventional level
   3. 3rd stage - conventional level
   4. 4th stage - conventional level
2. Ramya wants to opt for Sanskrit subject in Inter but fears that whether she will be able to study as the language is unknown – The conflict here is
   1. Avoidance - Avoidance
   2. Approach - Avoidance
   3. Dual Approach - Avoidance
   4. Approach - Approach

3. The cognitive process in which the child adjusts himself to the environment is
   1. Assimilation
   2. Organization
   3. Accommodation
   4. Equilibrium
4. “Every person has some specialties by nature, accordingly teaching should be done” – This is quoted by
1. Rousseau
2. Bloom
3. Aristotle
4. Plato

5. People with this type of intelligence are called ‘self smart’
1. Interpersonal intelligence
2. Naturalistic intelligence
3. Verbal language intelligence
4. Intrapersonal intelligence
6. This stage is called as ‘Gang Stage’ in child development
   1. Late childhood stage
   2. Early childhood stage
   3. Pubescent stage
   4. Early Adolescent stage

7. The first scientific book on Individual differences in
   1. Enquiry into human faculty and its development
   2. Emilee
   3. Mental test and measurement
   4. My experiments with truth
8. Infant first keeps his head straight, then sits with his waist straight, then walks keeping his legs straight – The developmental principle involved in the process.

1. Development proceeds from general to specific direction
2. Development proceeds continuously
3. Development proceeds in definite direction
4. Development is cumulative

9. A person knowing what am I and what type of person I am – is called his

1. Self recognition
2. Self esteem
3. Self concept
4. Self control
10. The boy wanted to participate in the running competition but he got his ankle sprained. Obstacle faced by the boy is

1. Physical environment
2. Mental
3. Social environment
4. Physical

11. The approach used to study childhood development up to the age of 10 years by selecting 5 years old children

1. Longitudinal approach
2. Cross Sectional approach
3. Eclectic approach
4. Cross Cultural approach
12. The defense mechanism adopted by Sagar, who failed in love, earning fame as a poet by writing poems on his lover is -

1. Regression
2. Sublimation
3. Displacement
4. Projection

13. Nisanth learnt Mathematics. Now he wants to learn Economics. Then the transfer of learning will be.

1. Positive transfer
2. Negative transfer
3. Zero transfer
4. Bilateral transfer
14. If present learning impairs the recall of previous learning, it is
1. Proactive learning
2. Retroactive inhibition
3. Repression
4. Deja vu

15. One student learnt Newton's laws of motion by doing experiments and kept in his memory. Here the type of memory is:
1. Active memory
2. Passive memory
3. Sensory memory
4. Rote memory
16. The concept of Zone of Proximal Development (ZPD) was mentioned in his theory by
1. Chomsky
2. Pearson
3. Vygotsky
4. Kohlberg

17. Following is not a Physical need
1. air
2. sleep
3. food
4. house
18. The following is a German word
1. Movere
2. Persona
3. Gestalt
4. Emovere

19. Madhu learnt the Hindi poem in 40 minutes. After 2 months, when he was asked to relearn, he took 20 minutes to learn. Madhu saving score is

1. 40%
2. 30%
3. 50%
4. 20%
20. One of the following is different from associative theories of learning

1. Trial and Error theory
2. Classical Conditioning theory
3. Operant Conditioning theory
4. Learning by insight theory

21. The principle of extinction is mentioned in his learning theory by

1. Pavlov
2. Skinner
3. Bandura
4. Drever
22. The psychological aspect of learner which affects learning.
   1. Motivation
   2. Maturation
   3. Age
   4. Physical health

23. Segregation is the Educational programme for
   1. Learning Disabled children
   2. Hearing Impaired children
   3. Mentally Retarded children
   4. Gifted children
24. First step in collaborative learning approach
   1. Forming of small groups
   2. Reaching the goal
   3. Identification of problem
   4. Assessment

25. This method is not in the instructional order of providing content in Bruner's theory
   1. Lecture method
   2. Enactive method
   3. Symbolic method
   4. Iconic method
26. Right of participation in Games and sports cultural activities belongs to this category of child Rights.

1. Right to survive
2. Right to participate
3. Protection rights
4. Right to develop

27. According to Edgardale cone of experience the most concrete experience among the following.

1. Dramatised experiences
2. Field trips
3. Television educational programs
4. Radio Recording, Still pictures
28. The main aim of 'Application' in Herbartian steps of lesson plan
1. Testing previous knowledge of the students
2. Preparing the students
3. Linking concepts to life
4. Introducing subject concepts

29. The teacher responsible for teaching of value education, life skills education under continuous comprehensive evaluation.
1. Science teacher
2. Mathematics teacher
3. Language teacher
4. Physical Education teacher
30. The following is not the concept of NCF-2005 about Mathematics
1. Mathematics should be made base for the World of work.
2. Mathematisation is to be the prime aim.
3. Environmental awareness should be the part of curriculum.
4. Natural environment is not necessary in Mathematics teaching.
31. شاعر اسلامی نے کسی شاعر کے قلم کو صدااقت کا جبری کیا تھا?
   1. غریب عرب
   2. میر تقرار
   3. صحیح عرب
   4. موصی عرب

32. صدااقت کے مفہوم کی ترتیب
   1. ترتب
   2. ختم
   3. مماک
   4. ایچمال
مندرچ الی عمارت پچیہ، 33 اور 34 سوالات کے جواب دیکیے۔

اسان قواعد ہر کس کے مطالعہ میں لہن پہلے اٹھاواہے۔ وہ درجے وری ہو گیا، کیونکہ اس
کو کہیں بھی کوئی اور معاشرہ کی ضرورت ہوئی بھی۔ گیا ضامنہ ایے ضامنہ کے قائم ہر گیا
بہت ضرورت اور ہر جائزہ اپنی اپنی کوئی اور حیاتی کی طرف جا رہے ہیں چند لوگوں کے نواہ کے
نام بتاں میں جا اہل ہیں۔

اس کو کہیں بھی کوئی اور معاشرہ کی ضرورت ہوئی بھی
1. خود
2. انسان
3. پہلے

لوگوں سے ضرورت اور ہر جائزہ اپنی
1. حامد
2. گیا
3. ضامن
4. خصوص
خواص الطاف حسن مینا کا مقام و آدایت ہے
1. حیدرآباد
2. پاکیستان
3. پاکستان
4. لاہور

"دل بی کی فرید"، سید صدری احمد مینا کے اپنے نظموں کا بیان ہے۔ اس کو کئی دلے شاعرین
1. سید صدری احمد مینا
2. حیدر خان سری
3. حسن مینا
4. شاہ محمود

سپا، تیز شاہ کا پر ایک نہ

1. احمد خان
2. محمد نعیم خان وارثی
3. سید صدری احمد مینا
4. صدری احمدی
پہلے ایک مرتبہ خبرہ انسان تاہم کے کتابتے ہیں 1

2

3

4

اس شمارو میں دو دو، ہر ایک کا عمل، نظام کھلا کے خطابات سے نوآریا ہے یا

نواجہ الطاف پہلی ہیں 1

2

3

4

جس اور اپنے اور

1

2

3

4

جس اور اپنے اور

1

2

3

4
41. باضحی ایجاد کردن کلیه سر هر شبیه ایجاد کردن کلیه سر
1. صحیح
2. غیر صحیح
3. صحیح
4. غیر صحیح

42. وچندنما که جمیعت یافته و پرداخت کرده و اگر ایجاد کننده
1. تفاوت
2. عرف
3. علامت
4. پیچان

43. جنس تخلیه میں فصل، خلا وار منفی ولایتی و مثل کی بنیاد
1. فصل لاانص
2. فصل ناصح
3. فصل منفرد
4. فصل عال
44. ایہ ترویج بیلی دوجک وقت امر کی جلد استعمال جو ہے، تو ہے:

1. بچھ
2. ادی
3. ان کے
4. لم گ

45. کامیب کا جہاں ہوتا ہے، ان کے جہد کا سیہ، کہاں ہے?

1. کشادہ
2. صاف
3. گل
4. لاب

46. بد اخلاق کے کہے کہ کہ کہ کہ وسعت کی بات کو

منتخب پا ہے اسی شر کی استعمال کی جو صفت کے لیے ہے?

1. صفت تضاد
2. صفت مخالف
3. صفت ایجاب
4. صفت تیزی
47. ایک تی شری میں وہ پاکستان رکے دیا گیا کہ جس کا استعمال کیا گیا؟
1. صنعت تعمیر
2. صنعت میلایا
3. صنعت ایکار
4. صنعت معاشرت

48. یہ تحریر قصد ہے ایک نشر میں پہلے ایک پیغام کی صارفہ
1. مختصر نال
2. مختصر افسانے
3. تحریر یا رمان
4. مختصر مضمون

49. گول کے آذی کی شکر کی ک叵 کیچ؟
1. مٹل پیس
2. مٹل پیس
3. ساچے
4. روپے
50. گودے گود بر کارکرک چم حاصل کر نیں پی ے، انظار گود کے معین دین 

1. خیر
2. نظر
3. تقلیل
4. جموع

51. نابرین عضو ے نے کلا اوزان مشترکے کیہ ہیں 

1. بھیج
2. اکس
3. اجس
4. پچھین

52. مشترکہ کیہ ے لیا استعمال کی جانے دیلى عالمی کتابیہ کہ ہیں 

1. وقت
2. خطافصل
3. داہین
4. کہنے
53. علم بیان کی کئیں ہیں
1. دو
2. تین
3. چار
4. پانچ

54. ردیف سے پہلے آتے دو چمن ور ان کی کئیں ہیں
1. تمام مجموی الفاظ
2. بھی مجموی الفاظ
3. کافیہ
4. تمام آئکب الفاظ

55. "وکھنوں لوگوں کا ور اعیسی اس لئے بیچیا ہے میں بھی ب"
1. معلوم سے معلوم کی طرف
2. معلوم سے معلوم کی طرف
3. چھپل طریقہ
4. صوتی طریقہ
ملائم ہوتا ہے کہ میں یہ یاد رکھیں ہوں

1. قائل
2. کوئی سمت
3. معاشرہ
4. نہیں خواہ

نیز کے افواہ مٹھین

1. لگی ہوئی ہے کہ چکاگو کرا
2. عورت کی سے چکاگو کرا
3. مرد کی سے چکاگو کرا
4. نہیں لوگوں سے چکاگو کرا

یہاں کے تیاری نظریہ ہے جس میں زبان کو قرار دیا جاتا ہے

1. قدم نظریہ
2. ابہام
3. فنری
4. خلاف
اے ٹروف جوں کے پچی "دال" کے لئے چھوٹے حروف کے کمانے تیل

1. شمی
2. تری
3. ترید
4. سایچہ

ایک ایک بھی مختلف نسخے ٹوف کو متنوع مختلف رنگوں کا نچھلا تقلیل نہیں ہے کہ داؤن پباک سہل جوال

کے بعد کیے نے پیندا ہوا۔ دوپہلے اپنی اوراج کی اک کمان "اردو" نے یہ تقلید

1. مولوی عوراء لحق
2. محمد کیمین آزاد
3. حافظ شیرازی
4. مولانا جلال الدین تدی
61. The principal looked into the complaint.
The meaning of the phrasal verb 'looked into' is:

1. lodged carefully
2. written carefully
3. observed keenly
4. sent carefully

62. Choose the sentence with an adverbial clause.

1. Since 1991, he has been in London.
2. We stayed indoors since it rained heavily.
3. It has been raining since last Sunday.
4. He is waiting for his friend.

63. No sooner ............ the door than somebody knocked again.
Choose the group of words that fits the context.

1. I had closed
2. had I closed
3. did I closed
4. I closed
64. The people followed the principles that Mandela advocated. The part of the sentence, "that Mandela advocated" is:
1. an adjectival clause
2. an adverbial clause
3. a conditional clause
4. an adverbial clause of reason

65. Choose the word that can be used as a verb and a noun.

1. thought
2. bought
3. fought
4. taught

66. Choose the word that gives the meaning of 'a number of people watching a match or something.'

1. mob
2. troupe
3. spectators
4. team

67. Choose the grammatically correct question.

1. How long the queue is?
2. How long is the queue?
3. How long is the queue!
4. How the queue is long?
68. Choose the expression with the correct order of adjectives.

1. a brown Indian handmade wooden table
2. a handmade wooden Indian brown table
3. a wooden handmade brown Indian table
4. a brown Indian table handmade wooden

69. She writes to me once in a blue moon.
The meaning of 'once in a blue moon' is:

1. never
2. frequently
3. very rarely
4. very often

70. While one of my friends ..........., it began to rain.
Choose the correct tense form of the verb to complete the sentence given above.

1. was playing
2. were playing
3. have played
4. will be playing

71. 'A person who abstains from taking alcohol' is:

1. a teetotaler
2. a theist
3. a mercenary
4. an omnipresent
72. One of the following is a plural noun. Choose it.
   1. fungus
   2. syllabi
   3. datum
   4. crisis

73. The teacher shouted .......... the students. Choose the correct preposition to complete the sentence.
   
   1. at
   2. on
   3. by
   4. to

74. We discussed the new plan at length. In the above sentence, the expression 'at length' gives the meaning of:

   1. fast
   2. beyond the limits
   3. in short
   4. in detail

75. I am not acquainted ..... this area. Choose the correct proposition to complete this sentence:

   1. into
   2. with
   3. out
   4. behind
Choose the sentence in the simple past tense.

1. She sings songs.
2. He cut the mango.
3. I want to meet you.
4. It rains here.

Read the following passage and choose the correct answers to the questions given after

Nationalism, of course, is a curious phenomenon which at a certain stage in a country's history gives life, growth and unity but, at the same time, it has a tendency to limit one, because one thinks of one's country as something different from the rest of world. One's perceptive changes and one is continuously thinking of one's own struggles and virtues and failing to the exclusion of other thoughts. Nationalism, when it becomes successful sometimes goes on spreading in an aggressive way and becomes a danger internationally. Culture, which is essentially good become not only static but aggressive and something that breeds conflict and hatred when looked at from a wrong point of view. We turn to economic theories because they have an undoubted importance. It is folly to talk of culture or even of god. When human beings starve and die. Before one can talk about anything else one must provide the normal essential of life to human beings.

Negative national feeling can make a nation:

1. selfish
2. self-centred
3. indifferent
4. dangerous
78. The greatest problem in the middle of the passage refers to the question:

1. how to mitigate hardship to human beings
2. how to contain the dangers of aggressive nationalism
3. how to share the economic burden equally
4. how to curb international hatred

79. Aggressive nationalism.

1. fosters international relations.
2. leads to stunted growth
3. endangers national unity
4. isolates a country

80. She said that she was busy.
This sentence has:

1. a relative clause
2. a noun clause
3. an adverbial clause
4. an adverbial clause of reason

81. Ganesh, who is my friend, lives in Guntur.
This sentence has:

1. a that clause
2. a defining relative clause
3. a non-defining relative clause
4. an adverbial clause
82. I saw a beautiful **green** leaf
The part of speech of the word 'green' is.

1. a preposition
2. a noun
3. an adverb
4. an adjective

83. Walking improves health:
In the above sentence, 'walking' is

1. a present participle
2. a past participle
3. a gerund
4. a helping verb

84. The antonym of 'massive' is:

1. huge
2. small
3. brave
4. timid

85. The following method stresses on the spoken language

1. The Translation Method
2. The Reading Method
3. The Direct Method
4. The Communicative Method
86. Choose the word that does not have stress.

1. obtain
2. would
3. delete
4. tutorial

87. A method is an overall plan for the orderly presentation of language material. Within one approach there can be

1. two methods
2. four methods
3. many methods
4. six methods

88. SQ3R method in teaching reading is

1. Select, Query, Respond, React and Renew
2. Survey, Question, Read, Recall and Review
3. Sing, Quick, Ring, Recite and Remedy
4. Search, Quit, Run, Reach and Repeat.

89. English phonemes, consonants and vowels are in the following order

1. 42, 21, 21
2. 40, 20, 20
3. 44, 24, 20
4. 43, 22, 21
90. Inductive method of teaching is to guide the students

1. from rules to examples
2. from examples to rules
3. to understand concepts
4. to understand facts
Mathematics – Paper – 2 – SET – II (Urdu Version)

91. The H.C.F. of two numbers is 6 and their L.C.M is 36. If one of the number is 12 then the another number

دوائے کا عارضے 6 اور سرکاری عارضے 36 ہے۔ اگر ایک انہیں 12 تو دوائے کا عارض جوگا ہو جائے گا

1. 18
2. 20
3. 22
4. 16

92. The length and breadth of a rectangular field are 22.5m and 14.5m respectively then its perimeter (in mts)

آیک مستطیل کا طوپور عرض ترتیب 22.5 متر اور 14.5 متر ہے۔ جوگا کا اطموٹہ ہو گا

1. 70
2. 72
3. 74
4. 76

93. Sum of two numbers is 95. If one exceeds the other by 3, then difference of two numbers is

دوائے کا جوہر 95 ہے۔ اگر ایک ہے آباد کے 3 اور دوائے کا فرق

1. 3
2. 4
3. 5
4. 6
94. In \( \triangle PQR \), if \( \angle P = 2 \angle Q \) and \( 2 \angle R = 3 \angle Q \) then \( \angle P \) (in degrees) 

\[
\begin{align*}
1. & \quad 80 \\
2. & \quad 90 \\
3. & \quad 70 \\
4. & \quad 100
\end{align*}
\]

95. The value of \( \log_2 512 \) 

\[
\begin{align*}
1. & \quad 7 \\
2. & \quad 8 \\
3. & \quad 9 \\
4. & \quad 6
\end{align*}
\]

96. If \( \sin 2 \theta = \cos 3 \theta \) (\( \theta \) is acute) then the value of \( \cot 5 \theta \) 

\[
\begin{align*}
1. & \quad 3 \\
2. & \quad 2 \\
3. & \quad 1 \\
4. & \quad 0
\end{align*}
\]

97. If the distance between two points \((x, 7)\) and \((1, 15)\) is 10 then the value of \( x \) 

\[
\begin{align*}
1. & \quad 6 \\
2. & \quad -6 \\
3. & \quad -5 \\
4. & \quad 5
\end{align*}
\]
98. If the points A(6, 1), B(8, 2), C(9, 4) and D(p, 3) are the vertices of a parallelogram respectively then the value of p.

1. 7  
2. 8  
3. 9  
4. 10

99. The value of \( \left( \frac{5^{-1} \times 3^{-1}}{6^{-1}} \right) \) is equal to

1. 80  
2. 90  
3. 100  
4. 120

100. If the compound ratio of 7 : 5 and 8 : x is 84 : 60 then x is equal to

1. 6  
2. 7  
3. 8  
4. 9
101. If sum of ₹2500 is borrowed at a rate of 12% per annum for 3 years then simple interest is equal to (in rupees)

\[ \text{Simple Interest} = \frac{2500 \times 12 \times 3}{100} \]

1. 800
2. 900
3. 700
4. 600

102. The discriminant of the quadratic equation \(4x^2 - 4x + 1 = 0\) is

\[ \Delta = 4^2 - 4 \times 4 \times 1 \]

1. 3
2. 0
3. 5
4. 4

103. The value of the expression \(2x^2 - 3x + 6\) at \(x = -2\)

\[ 2(-2)^2 - 3(-2) + 6 = 8 + 6 + 6 = 20 \]

1. 10
2. 12
3. 18
4. 20
104. If $A$ and $B$ are disjoint sets then $n(A \cup B)$ equal to

$$n(A \cup B) = n(A) + n(B)$$

1. $n(A) + n(B)$  
2. $n(A) - n(B)$  
3. $n(A) + n(B) - n(A \cap B)$  
4. $n(A) + n(B) + n(A \cap B)$

105. If $A = \{2, 4, 6, 8\}$, $B = \{1, 3, 5, 7\}$

then $(A - B) \cap (B - A)$ is equal to

$$(A - B) \cap (B - A)$$

1. $\emptyset$  
2. $A - B$  
3. $B - A$  
4. $A \cup B$

106. If $\triangle ABC$ and $\triangle DEF$ are similar, and their areas are 64 sq.cm and 121 sq.cm, respectively. If $EF = 15.4$ cm then $BC$ (in c.m)

$$\frac{\text{Area of } \triangle ABC}{\text{Area of } \triangle DEF} = \frac{64}{121}$$

$t$ in c.m

1. 112  
2. 121  
3. 11.2  
4. 12.1
107. The angle between a tangent to a circle and the radius drawn at the point of contact is

1. 60°
2. 45°
3. 30°
4. 90°

108. General form of \( \frac{x}{3} - \frac{y}{5} = \frac{1}{6} \)

\( \frac{x}{3} - \frac{y}{5} = \frac{1}{6} \)

1. \( 10x - 6y - 5 = 0 \)
2. \( 10x - 6y + 5 = 0 \)
3. \( 5x + 6y + 10 = 0 \)
4. \( 5x - 6y - 10 = 0 \)

109. If the total surface area of a cube is 1350 sq.m. then its volume (in m³)

\( \text{کمپ کاک لکی رقبة 1350 مربع میں سے سب سے کم ہوا (کمپ لمبے میٹر) } \)

1. 3372
2. 3375
3. 3735
4. 3250
110. The volume of right circular cone is

1. \( \frac{1}{4} \pi r^3 h \)
2. \( \frac{1}{3} \pi r^3 h \)
3. \( \frac{1}{3} \pi r^3 h \)
4. \( \frac{1}{3} \pi rh \)

111. Arithmetic mean of 9 observations was calculated as 45. While calculating an observation was wrongly taken as 42 for 24, then the correct mean is.

1. 34
2. 44
3. 42
4. 43

112. If \( l = 500, n = 100, f = 20, \) c.f = 45, \( h = 100 \) in a frequency distribution table then the median in

1. 525
2. 535
3. 420
4. 435
113. Length of the shadow of a 15 meters high pole is $5\sqrt{3}$ meters at 7 ‘O’ clock in the morning. Then the angle of elevation of the sun rays with the ground at the time.

1. $45^\circ$
2. $60^\circ$
3. $30^\circ$
4. $90^\circ$

114. If $P(E) = 0.05$ then the probability of ‘not E’ is

1. 0.95
2. 0.095
3. 0.59
4. 0.059
115. The author of the book “Siddantha Siromani”
1. Aryabhatta
2. Bhaskaracharya
3. Varahamihira
4. Sridhara

116. The specification “Detects and corrects errors” comes under the objective
1. Knowledge
2. Skill
3. Application
4. Understanding
117. The relation of discovery method (pure / guided discovery) to be used is not depend on the
1. Students mental maturity level
2. Complexity of the subject
3. Attitude of parents
4. Resources available

118. Maths teacher not suppose to have the quality
1. Leadership
2. Problem solving ability
3. By hearting without understanding
4. Effective use of Maths material
119. The objective that is not related to Continuous Comprehensive Evaluation (CCE)
1. Making students to get more marks
2. Making Evaluation as a part of teaching learning process
3. Using Evaluation as a tool to improve teaching
4. Sharpening thinking skills rather than get by hearting in learning

120. The Evaluation tool of Maths textbook
1. Word Association test
2. Hunter’s Score Card
3. Summative Return Scale
4. Ravan’s Progressive Matrices test
121. When a stone of weight \( x \) is immersed in water, the weight of water displaced is found to be \( y \). Then the force of buoyancy exerted by the water is

1. \( x - y \)
2. \( x + y \)
3. \( y \)
4. \( \frac{x}{y} \)

122. The wrong statement regarding pole star is

1. It is the nearest star to earth
2. It is situated in the direction of earth's axis
3. It doesn't appear to move
4. It can be located with the help of Great bear constellation.
123. The actual shape of rainbow is
1. Two dimensional arc
2. Two dimensional circle
3. Three dimensional sphere
4. Three dimensional cone

124. The far points of a myopic person is 80cm in front of the eye. The power of the lens required to see very distant object clearly is
1. +80 D
2. -80 D
3. +1.25 D
4. -1.25 D
125. An object is moving with more inertia among the following is
1. bicycle
2. train
3. bus
4. car

126. The expansion form of MCB is

1. Miniature circuit breaker
2. Mega circuit breaker
3. Main circuit breaker
4. Moving current breaker
127. The only synthetic fibre obtained from cellulose is
1. acrylic
2. Nylon
3. Polyester
4. Rayon

128. The more diffusible gas among the following is
1. Carbon dioxide
2. Hydrogen chloride
3. Ammonia
4. Methane
129. "Matter is neither created nor destroyed during a chemical reaction".
This is
1. Law of constant proportions
2. Law of conservation of mass
3. Law of conservation of energy
4. Law of multiple proportion

130. The angular momentum of an election in the shell – N is
1. \( \frac{h}{2\pi} \)
2. \( \frac{2h}{\pi} \)
3. \( \frac{h}{\pi} \)
4. \( \frac{4h}{\pi} \)
131. In a group from top to bottom the non-metallic character
1. Increases
2. Doesn’t change
3. Decreases
4. First decreases and then increases

132. The correct statement among the following is
1. During smelting carbon di oxide is used as flux
2. Calcination is a pyrochemical process
3. Roasting is carried out in blast furnace
4. Iron is refined by electrolytic method
133. The cell organelles present in plant cells but absent in animal cells are
1. Cell wall, Lysosomes
2. Cell wall, Nucleus
3. Cell wall, Plastids
4. Plastids, Lysosomes

134. Oral polio vaccine is discovered by
1. Dr. Jonas Salk
2. Dr. Albert Sabin
3. Dr. Yellapragada Subba Rao
4. Dr. Edward Jenner
135. The connective tissue that connects bones with each other
   1. Ligament
   2. Tendon
   3. Areolar tissue
   4. Blood

136. Match the following and find the correct answer
   i) Bread mould   a) Leaf buds
   ii) Potato        b) Spores
   iii) Bryophyllum  c) Eye

   1. i – b,     ii – a,    iii – c
   2. i – c,     ii – b,    iii – a
   3. i – b,     ii – c,    iii – a
   4. i – a,     ii – b,    iii – c
Reshma wants to prove that Carbon dioxide is evolved during respiration. Material required to conduct this experiment is.

1. Glass bottle, Sprouted seeds, Thermometer
2. Glass bottle, Sprouted seeds, Lime water
3. Glass bottle, Dry seeds, Lime water
4. Glass bottle, Dry seeds, Thermometer

Roots: Geotropism :: Tendrils: X , X - denotes

1. Thigmotropism
2. Hydrotropism
3. Chemotropism
4. Phototropism
139. Fluffy face, swollen legs, diarrhoea and dry skin are the symptoms found in a baby. The baby is suffering from
1. Pellagra
2. Marasmus
3. Kwashiorkor
4. Obesity

140. Solid nitrate is converted into gaseous nitrogen by a process called.
1. Nitrification
2. Denitrification
3. Assimilation
4. Ammonification
141. The incorrect statement among the following
1. Hyderabad pigeon is an example for invasive alien species
2. Plants and animals restricted to a particular area are called as endemic species
3. Kangaroo is an endemic species of Newzeland
4. Red Data Book contains details of endangered and extinct species

142. Find the odd one.
1. Chlamydomonas
2. Spirogyra
3. Oedogonium
4. Paramecium
143. Which pair has closed type of circulation
1. Annelida and Arthropoda
2. Arthropoda and Cephalopoda
3. Annelida and Gastropoda
4. Cephalopoda and Annelida

144. All the children of the parents have ‘AB’ blood group only. The possible genotype of the parents will be.

1. I^A I^A & I^B I^B
2. I^A I^O & I^B I^O
3. I^A I^A & I^B I^O
4. I^A I^O & I^B I^B
145. Identify the best project to teach the topic "verification of 3rd Law of pendulum" -

1. Observation Project
2. Creative Project
3. Investigatory Project
4. Constructive Project
146. If the skin is burnt due to phosphorous in a laboratory this is to be applied after washing with large amount of water

1. Silver nitrate
2. Tannic acid
3. Vaseline
4. Burnol

The type of evaluation useful to know the learning abilities and weakness of a pupil

1. Formative evaluation
2. Placement evaluation
3. Summative evaluation
4. External evaluation
148. One of the following is the correct statement with reference to publication of textbooks.
1. Textbooks are published by authors
2. SCERT publishes the textbooks
3. Publication of textbooks is Nationalised
4. Telugu Academy publish the textbooks

149. Substantive structure of science includes both
1. Formulating hypothesis and interpretation of data
2. Organization of variables and controlling variables
3. Classification and collection of information
4. Empirical knowledge and theoretical knowledge
150. Biological science teacher has to make use of this environmental at optimum level in teaching learning process

1. Social environment
2. Natural environment
3. Physical environment
4. ICT environment