

# CENTRE FOR EDUCATIONAL DEVELOPMENT OF MINORITIES

Nizam College Campus, Hyderabad - 500 001.

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**Time:2hrs    MODEL TEST - TS TET-Paper-I - MATHS & EVS    Marks:150**

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## Part I. CHILD DEVELOPMENT AND PEDAGOGY (Marks: 30)

1. Development is:
  - 1) Qualitative and contineous
  - 2) Internal in nature
  - 2) Observation and measurement is difficult.
  - 4) All the above.
2. Which of the following is principle of growth and development.
  - 1) Rate of growth and development is not constant.
  - 2) Physical growth influences behavioral development
  - 3) Development proceeds from general to specific responses
  - 4) Uniformity pattern.
3. Child development occur under the influence of
  - 1) Environment
  - 2) Heridity
  - 3) Both
  - 4) None.
4. Adolescence
  - 1) Starts with Biological maturation.
  - 2) Lot of curiosity in it
  - 3) Some children become more sensitive.
  - 4) All the above.
5. Which of the following is not the factor which influences development.
  - 1) Cognitive
  - 2) Psychological
  - 3) Social
  - 4) Biological
6. The human body shows an orderly series of changes in size, proportion and functioning from cradle to the grave. This is explained by which of the following factor.
  - 1) Social factor.
  - 2) Psychological factor
  - 3) Biological factor.
  - 4) None.
7. By the age of two and half year of teeth comes inside a child which are called milk tooth. By the age of 5-6 years milk tooth goes off and permanent teeth appears
  - 1) 20
  - 2) 24
  - 3) 28
  - 4) 32
8. The work of which of the following were named as "Generic Epistemology" which is actually study of knowledge development.
  - 1) Lawrence Kohlberg
  - 2) Jean Piaget
  - 2) Noam Chomsky
  - 4) Carl Roger.
9. In which of the following stage of Jean Piaget: cognitive development, the child can concentrate on more than one dimention.
  - 1) Sensory motor stage
  - 2) Pre-operational stage
  - 3) Concrete Operational stage
  - 4) Formal Operational stage
10. In which of the following Jean Piaget Cognitive Development and Kohlberg Moral Development overlap with each other
  - 1) Sensory motor
  - 2) Pre-operational
  - 3) Concrete Operational
  - 4) Adolescence.

11. "The children are obedient under the influence of high authorities of elders" is expressed in which of the following stage of development.
  - 1) Punishment and obedience
  - 2) Individualism / Instrumental purpose and exchange.
  - 3) Inter personal expectations relationship and confirmity
  - 4) Social conscience orientation, law and order orientation.
12. According to Chomsky "Linguistic" is the branch of:
  - 1) Cognitive Psychology.
  - 2) Developmental psychology
  - 3) Psycho Linguistics.
  - 4) Synctactic structure.
13. Who is the father of Client Centered Therapy.
  - 1) Erik Erikson
  - 2) Jean Piaget.
  - 3) Kohlberge
  - 4) Carl Roger
14. According to whome there are three elements of personality i.e Id, Ego and Super Ego.
  - 1) Carl Roger
  - 2) Werthmayer.
  - 3) Segment Fried
  - 4) B.F. Skinner.
15. According to Carl Roger an individual can reach the position of self-actualization when he/ she is in the state of
  - 1) Integrity
  - 2) Self defence
  - 3) Self pity
  - 4) Congruence.
16. Implicit attitude is:
  - 1) Concious believes.
  - 2) Unconcious believes.
  - 3) Behavioral believes.
  - 4) Emotional believes.
17. Who did the experiment of "Prison study".
  - 1) Philip Zimbardo
  - 2) B.F. Skinner.
  - 3) Max Werthmer
  - 4) Kohler & Kofka.
18. An innate inborn ability or capacity to learn to do a certain kind of work, is
  - 1) Interest
  - 2) Attitude
  - 3) Aptitude
  - 4) Innate potential.
19. Which of the following is not one of the characteristics of adolescent interests:
  - 1) They have instability.
  - 2) Interests in adolescent expanded.
  - 3) All interests remain unchanged at the adolescent stage.
  - 4) Interests in adolescent shift in Values
20. Agressiveness, destructiveness, disobedience, noncooperation etc.; are characteristics of a ....
  - 1) Physical disorder
  - 2) Behavioral disorder
  - 3) Neurological disorder
  - 4) Conceptual disorder.
21. The scientist who developed the Radical behaviorism is:
  - 1) J.B. Watson
  - 2) Ivan Pavlav
  - 3) E.L. Thorn Dike
  - 4) B.F. Skinner.
22. Operant conditioning operations deals with the modification of \_\_\_\_
  - 1) Motor behaviour
  - 2) Psychomotor behaviour
  - 3) Voluntary behaviour
  - 4) Involuntary behaviour.

23. Which of the following is the correct match
- |                           |                      |
|---------------------------|----------------------|
| A) Trial and Error        | i. Albert Bandura.   |
| B) Classical Conditioning | ii. B.F. Skinner.    |
| C) Insightful Learning    | iii. E.L. Thorndike. |
| D) Operant Conditioning   | iv. Kohler & Kofka   |
| E) Social Learning        | v. Ivan Pavlov.      |
- |    | A   | B   | C   | D  | E |
|----|-----|-----|-----|----|---|
| 1. | iii | v   | iv  | ii | i |
| 2. | iii | v   | ii  | iv | i |
| 3. | v   | iii | iv  | ii | i |
| 4. | i   | ii  | iii | iv | v |
24. Which of the following is a right statement for constructivism.
- 1) Acquisition of learning is important
  - 2) Creating knowledge has fore most importance.
  - 3) Not the teacher, but only the learner takes key important place
  - 4) All the above.
25. One of the following qualities is not expected of a good teacher.
- 1) Acquiring knowledge about the student as background.
  - 2) Using the usual method, of instructions for all students.
  - 3) Communicating freely with students.
  - 4) Sharing warmth, enthusiasm and caring.
26. Students who are different from ordinary students and positive or negative towards practise are:
- 1) Students with more intelligence
  - 2) Students with less intelligence
  - 3) Students with special needs
  - 4) Ordinary students.
27. The traits developed in students when a teacher teaches in Heuristic Method?
- 1) Disciple
  - 2) Speaking fluently
  - 3) Observation
  - 4) Scientific attitude.
28. The teaching method related to individual teaching is :
- 1) Micro teaching
  - 2) Project method
  - 3) Programmed learning
  - 4) All the above.
29. Which method is the best teaching method.
- 1) Having best teaching aids.
  - 2) Making students to remember easily.
  - 3) That can be taught easily by teacher.
  - 4) Making students understand better.
30. Identify the correct among the following.
- 1) Curriculum is more extensive than syllabus.
  - 2) Curriculum is syllabus.
  - 3) Lesson plan is syllabus.
  - 4) Syllabus is extensive than any other.

**Part II. LANGUAGE - Urdu (Marks: 30)**

(31-35) ذیل میں دی گئی عبادت کو غور سے پڑھیے۔ اور سوالوں کے صحیح جواب کا انتخاب کیجیے۔

آج کے دور میں سائنس انسانی زندگی کا لازمی اور اہم جزو بن گئی ہے۔ انسانی زندگی کا کوئی بھی گوشہ سائنس کے حیرت انگیز ایجادات سے خالی نہیں رہا۔ اسی لیے جدید دور سائنسی دور کہلاتا ہے۔ آج سائنس میں مرد و خواتین، ادیب و سیاستدان، تاجر اور مزدور دولت مند اور محنت کش افراد اس کے علاوہ طالب علم اور علمائے سب ہی کو اور سب ہی میدانوں میں کسی نہ کسی شکل میں اپنے حیرت کن کارناموں متاثر کیا ہے۔ آج سارا ماحول سائنسی ہو گیا ہے۔ سائنس کے اثرات کسی خاتون کے باورچی خانے سے لے کر بلند و بالا عمارتوں میں ہی نظر نہیں آتا بلکہ وہ بحر و برکی سرحدوں کو پھیلا گنگ کر خلاؤں میں بھی داخل ہو چکا ہے۔ اس لیے سائنسی علوم سے آگہی انسان کی سب سے بڑی طاقت بن گئی ہے۔ اس کے بل پر انسان دنیا کے تمام مخلوقات میں افضلیت حاصل کر چکا ہے۔ اب وہ آب و ہوا اور موسموں سے خوفزدہ نہیں ہے۔ برقی نے اسے روشنی عطا کی ہے اور اسے گرمی اور ٹھنڈک فراہم کی ہے۔

جدید دور کو کس نام سے موسوم کیا گیا ہے؟

31. (1) ایجادات کا دور (2) مشینی دور (3) سائنسی دور (4) مسابقت کا دور

2. حیرت انگیز - دولت مند، باورچی خانہ یہ الفاظ مثال ہیں

(1) متضاد الفاظ (2) سابقہ (3) لاحقہ (4) مترادف الفاظ

3. اس علم کی بدولت انسان تمام مخلوقات میں افضل ہو چکا ہے

(1) سماجی (2) سائنسی (3) معاشی (4) سیاسی

4. لفظ ”بحر“ کی ضد ہے

(1) حجر (2) بر (3) شجر (4) در

4. برقی نے انسان کو یہ سہولیتیں فراہم کی ہیں

(1) روشنی (2) گرمی (3) ٹھنڈک (4) یہ تمام

(36-40) ذیل میں دیئے گئے اشعار پڑھ کر سوالوں کے صحیح جواب کا انتخاب کیجئے۔

دیا شہ نے ترتیب اک خانہ باغ  
عمارت کی وہ خوبی دروں کی وہ شان  
چھتیں اور پردے بندھے زرنگار  
سنہری مغرق چھتیں ساریاں  
دیئے ہر طرف آئینے جو لگا  
خانہ باغ کی خوبصورتی کو دیکھ کر کون رشک کرنے لگے؟

(1) شاہ (2) فراغ (3) لالہ (4) داغ

37. دست بستہ دروازے پر یہ کھڑی تھیں

(1) بہار (2) زرنگار (3) گلزار (4) دیوار

38. ”شاہ“ کی ضد ہے

(1) شہنشاہ (2) وزیر (3) گدا (4) نوکر

39. باغ کی رونق میں اس کی وجہ سے چار گنا لطف سایا ہوا تھا  
(1) لالہ (2) گل (3) دیوار (4) آئینے
40. ”عمارت“ کی جمع ہے  
(1) عمارات (2) عمارتیں (3) عمر (4) امراء
41. محمود گھر میں ہے۔ یہ جملہ مثال ہے  
(1) فعل لازم (2) فعل متعدی (3) فعل ناقص (4) فصل امر
42. حرف ”ق“ کا مخرج ہے۔  
(1) حلق اور منہ کے خالی حصے سے (2) شروع حلق سے (3) بیچ حلق سے (4) زبان کی جڑ اور پر جیب کے اندر سے
43. آصف آیا مگر کھانا نہیں کھایا۔ اس جملے میں حروف عطف ہے  
(1) آصف آیا (2) مگر (3) کھانا (4) نہیں کھایا
44. وہ علم جس میں کلموں کے باہمی تعلق، ترتیب، تعلق اور کلام کی معنوی حیثیت اور ساخت سے بحث ہوتی ہے۔  
(1) علم نحو (2) علم صرف (3) علم البیان (4) علم الاعداد
45. لفظ ”طالب علم“ کی مجموعی قیمت ہے۔  
(1) 187 (2) 180 (3) 182 (4) 185
46. وہ فعل حال جس میں موجودہ زمانے کے ساتھ ساتھ مستقبل کو بھی بیان کیا جائے۔ کہلاتا ہے  
(1) حال مطلق (2) حال ناتمام (3) حال احتمالی (4) حال مضارع
47. کتاب ”یادوں کی بارات“ کا شمار ہوتا ہے۔  
(1) خودنوشت سوانح عمری (2) افسانوں کا مجموعہ (3) نظموں کا مجموعہ (4) غزلوں کا مجموعہ
48. وہ اسم جو اپنی مخصوص حیثیت سے پہچانا جائے، کہلاتا ہے  
(1) اسم کیفیت (2) اسم ظرف (3) اسم ذات (4) اسم آلہ
49. آخر شب، آوارہ سجدے اور طویل نظم ابلیس کی مجلس شوریٰ ان کے نظموں اور غزلوں کے مجموعے ہیں  
(1) جوش ملیح آبادی (2) پر وین شاکر (3) کیفی اعظمی (4) علی سردار جعفری
50. مناسب جوڑ لگائیے۔  
1. بازو میں نہ تو مرے گرہ باندھ (A) صنعت تضاد  
سمجھاؤں جو پند اسے گرہ باندھ  
2. ہوئیں یوسف کی تختیاں جب دور (B) صنعت مبالغہ  
اور ہوا ملک مصر پر وہ مامور  
3. ایک سب آگ ایک سب پانی (C) صنعت تینیں  
دیدہ و دل عذاب ہیں دونوں

(D) صنعت تلمیح

4. کل رات ہجر یار میں رویا میں اس قدر

چوتھے فلک پہ پہنچا تھا پانی کمر کمر

(1) 'A-1' 'C-2' 'B-3' 'D-4'

(1) 'B-1' 'D-1' 'C-3' 'D-4'

(1) 'C-1' 'B-2' 'C-3' 'A-4'

(3) 'C-1' 'D-2' 'A-3' 'B-4'

51. غلط بیان کی نشاندہی کیجیے

(1) انشائیہ ایک ایسی صنف ہے جو ذہنی بیداری اور سماجی حربے کے طور پر استعمال کی جاتی ہے

(2) ایسی نظم جس میں بحر کے استعمال اور قافیوں کی ترتیب میں مقررہ اصولوں کی پابندی کی گئی ہو۔ پابند نظم کہلاتی ہے۔

(3) قطعہ بند اشعار کے لیے عام طور پر غزل کے مصرعوں کے درمیان ”ق“ بطور اشارہ لکھا جاتا ہے

(4) وہ تحریری قصہ جسے ایک ہی نشست میں پڑھ لیا جائے اس کو ”دستان“ کہتے ہیں۔

52. جب جملے میں کوئی اسم مضاف الیہ واقع ہو تو اسم کی ایسی حالت کہلاتی ہے۔

(1) حالت ظرفی (2) حالت اضافی (3) حالت ندائی (4) حالت خبری

53. شعر میں کسی ایسی بات کو وجہ قرار دینا جو حقیقت میں اس کی وجہ نہ ہو۔ کہلاتا ہے

(1) حسن تعلیل (2) صنعت ایہام (3) صنعت مبالغہ (4) صنعت تجنیس

54. علم عروض میں جو خاص حروف مقرر ہیں وہ کہلاتے ہیں

(1) حروف مجرد (2) حروف قمری (3) حروف تقطیع (4) حروف شمسی

55. مقاصد کی درجہ بندی ان امور کو مد نظر رکھ کر ترتیب کی جاتی ہے۔

(1) درجہ عمر اور صلاحیت (2) معلومات اخلاق معاشرہ

(3) اقدامات (3) تینوں بھی

56. ذیل میں سے کونسی قسم پڑھنا سکھانے کے طریقوں میں شامل نہیں ہے؟

(1) ترکیبی طریقے (2) تخیلی طریقے (3) تدریسی طریقے (4) مخلوط طریقے

57. درج ذیل میں سے یہ کچھری مقصد نہیں ہے

(1) ذوق سلیم کی تربیت (2) تربیت اخلاق (3) فیصلہ اور تخلیق کی مشق (4) پڑھنا لکھنا

58. لکھنا سکھانے کے اس طریقے میں سب سے پہلے دائرہ، نیم دائرہ، خط مستقیم وغیرہ سکھائے جاتے ہیں۔

(1) ابجدی طریقہ (2) پتالوزی کا طریقہ (3) مونیسوری کا طریقہ (4) پڑھو اور لکھو کا طریقہ

59. کمرہ جماعت میں سوالات کرتے وقت مدرس کو خیال رکھنا چاہیے۔

(1) سوال پوری جماعت سے کیا جائے۔ (2) مخصوص طالب علموں سے کیا جائے

(3) انفرادی طور پر ہر طالب علم سے کیا جائے (4) پیچھے بیٹھنے والے طلباء سے کیا جائے

60. ادرا کی علاقے کی یہ اعلیٰ ترین سطح ہے

(1) ترکیب (2) تعین قدر (3) معلومات (4) تفہیم

**Part III. LANGUAGE - II (ENGLISH) (Marks: 30)**

61. The boy laughed at the beggar. The passive form of it is:  
(1) The beggar was laughed at by the boy  
(2) The beggar was laughed by the boy  
(3) The beggar was being laughed at by the boy  
(4) The beggar was being laughed by the boy
62. It interests me. This sentence can be rewritten as:  
(1) I am interested in it  
(2) I have been interested in it  
(3) I will be interested in it  
(4) I was interested in it
63. I said to him, "Why are you working so hard"?  
It can be reported as  
(1) I asked him way he had been working so hard  
(2) I asked him why he was working so hard  
(3) I asked him why was he working so hard  
(4) I asked him why had he been working so hard
- In his autobiography, he remembers his wife as an everyday heroine who epitomised selflessness and stood for the victory of mind over matter. He honoured this character of Indian women and dedicated a book, titled "Religion and Society" to them.
- A dutiful teacher, a deeply spiritual thinker, an able policymaker, Radhakrishnan was every bit the visionary India needed. Nobel laureate C.V. Raman beautifully summed up his glorious life, "The frail body of Radhakrishnan enshrined a great spirit-a great spirit which we have learnt to revere and admire, even to worship"
64. How do great men affect the integration of mind, body and soul?  
(1) Through freedom  
(2) Through their wise words  
(3) Through their message of peace and love  
(4) Through their integration of body and mind
65. Mahatma Gandhi called himself the \_\_\_\_\_ of Radhakrishnan.  
(1) Teacher (2) Lord Krishna (3) Arjun (4) Friend
66. Radhakrishnan remembers his wife as \_\_\_\_\_ in his autobiography.  
(1) a mother (2) his inspiration (3) an everyday heroine (4) Indian woman
67. Name of the book written by Radhakrishnan that was dedicated to the selflessness of Indian women:  
(1) Indian Women (2) An Everyday Heroine  
(3) Autobiography (4) Religion and Society
68. According to Gandhiji, what made his and the people admire Radhakrishnan ?  
(1) his policies (2) frail body (3) a great spirit (4) his vision
69. Identify the complex sentence from the following  
(1) We read books but they watch T.V.  
(2) If you search for it in the school, you will get it.  
(3) You go there or they will not give you.  
(4) She is not only good in English but also good at Maths
70. He woke up to hear the sound of bells..... in the distance.  
Choose the right option to fill in the blank.  
(1) clanging (2) banging (3) buzzing (4) whistling
71. Identify the phrase containing Noun + Noun.  
(1) strong light (2) shed light (3) a light source (4) a ray of light

72. John hates women. He is a  
 (1) Misogynist (2) Polyglot (3) Prodigy (4) mercenary
73. There's Use in complaining. They won't do anything about it.  
 Choose the correct answer:  
 (1) a little (2) little (3) a few (4) few
74. Ramesh has two brothers, but he doesn't speak to of them.  
 Choose the correct answer:  
 (1) either (2) neither (3) both (4) any
75. What was in the box?  
 Choose the correct answer to complete the sentence:  
 (1) you did think (2) you had thought (3) did you think that (4) did you think
76. I am annoyed\_\_\_\_\_him\_\_\_\_\_what he has done to us.  
 Choose the correct answer to complete the sentence:  
 (1) with, for (2) for, with (3) with, from (4) for, from
77. The expression 'to turn over a new leaf means:  
 (1) To change one's behaviour for the better (2) To take a decision  
 (3) To read something carefully (4) To be cautious
78. He eats \_\_\_\_\_banana every morning.  
 (1) a (2) the (3) any (4) an
79. Tomorrow, there is a meeting in our school. Come early, \_\_\_\_\_?  
 (1) do you (2) don't you (3) will you (4) won't you
80. Identify the correct question. grammatically  
 (1) What height is Mount Everest?  
 (2) How tail is Mount Everest?  
 (3) How much height is Mount Everest"  
 (4) How high is Mount Everest?
81. Choose the correct word to fill in the blank in the sentence.  
 Copper is \_\_\_\_\_useful metal.  
 (1) a (2) an (3) the (4) any
82. I like singing. In the above sentence,  
 'singing' is:  
 (1) a present participle (2) a gerund (3) a past participle (4) a model verb
83. Sindhu said to Ganesh, "Are you fine?"  
 The conjunction that can be used to change this sentence into indirect speech is:  
 (1) whether (2) that (3) who (4) when
84. Choose the correct 'Yes / No' question.  
 (1) Does he reads novels? (2) Are you read novels?  
 (3) Won't you come here? (4) Do you are a student?
85. It's time you ..... to bed. go Choose the correct verb that fits the context.  
 (1) went (2)will (3)go (4) had gone
86. The General Service List of English words (GSL) is associated with:  
 (1) Bilingual method (2) Grammar translation method  
 (3) Dr. West's new method (4) Direct method
87. The process of determining the changes in behaviour through instruction is :  
 (1) Test (2) Evaluation (3) Measurement (4) Assessment
88. Remedial teaching is  
 (1) nothing but re-teaching.  
 (2) something where achievement is expected to be very low.  
 (3) need not be highly specific and need based.  
 (4) more like a crash course.



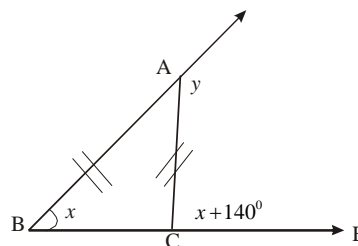
89. Listening to public speeches belongs to  
 (1) Focussed listening (2) Gist listening  
 (3) Appreciative listening (4) Casual listening
90. One of the following helps us to get a bird's eye view of the book. Identify it.  
 (1) Jacket (2) Front page (3) Blurb  
 (4) The preface

**Part IV. MATHEMATICS CONTENT (Marks: 30)**

91. The following number are Perfect square that its not Square Number?  
 1) 05.29 2) 64 3) 81 4) 12.1
92. Convert into P/q to  $0.2\overline{394}$  ?  
 1)  $\frac{4}{99}$  2)  $\frac{2371}{9900}$  3)  $\frac{2318}{9900}$  4)  $\frac{4}{5}$
93. What property of rational number does it Show?  $\frac{2}{5} + \frac{1}{4} + \frac{2}{5}$   
 1) Closure Property Under Addition 2) Associative Property under Addition  
 3) Commentative Pooperty under Addition 4) 4) Distributive property under Addition
94. If the complementary of an angle is 25% of its Supplementary then its measure is -----  
 1)  $45^\circ$  2)  $70^\circ$  3)  $80^\circ$  4)  $85^\circ$
95. India Scored a total 270 runs in the one day match, out of which Kohli's Score is 65 run. How many degree will it be in the pie graph?  
 1)  $45^\circ$  2)  $115^\circ$  3)  $90^\circ$  4)  $87^\circ$
96. Converting 45 km/h to m/Second is obtained.  
 1)  $12\frac{1}{2}$  2) 25 3)  $28\frac{1}{2}$  4) 9
97. If there is an increase of  $x\%$  in a quantity, Then its value increases by  
 1)  $100x\%$  2)  $(100-x)\%$  3)  $(100 + x)\%$  4)  $x\%$
98. A circle has edges  
 1) 0 2) 1 3) 2 4) 3
99. The area of the base of a cone is  $38.5\text{ cm}^2$  whereas its volume is  $77\text{ cm}^3$  then its height  
 1) 10 cm 2) 6cm 3) 12cm 4) 4cm
100. Every number is equal to itself. This property is called  
 1) Reflexive Property 2) Symmetric Property  
 3) Transitive Pooperty 4) Closure Property.

101. 12 Painters can paint a wall of 180m long in 3 days. How many painters are required to paint 200 m long wall in 5 days ?  
 1) 10 2) 6 3) 12 4) 8
102. Which of the following is the symbol of  
 1)  $\{0\}$  2) 0 3)  $\{\phi\}$  4)  $\phi$
103. Value of  $x$  and  $y$  is the given figure?

- 1)  $x = 90^\circ$  2)  $x = 50^\circ$   
 $y = 40^\circ$  3)  $y = 90^\circ$
- 3)  $x = 70^\circ$  4)  $x = 140^\circ$   
 $y = 1400^\circ$  4)  $y = 70^\circ$

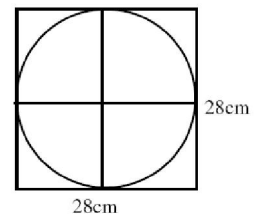


104. Number of even Prime number-?

- 1) 2                                      2) 1  
3) 0                                      4) 3

105. Find the area of the Circle inscribed in a Square of Side 28 cm.

- 1)  $500 \text{ cm}^2$                               2)  $516 \text{ cm}^2$   
3)  $600 \text{ cm}^2$                               4)  $616 \text{ cm}^2$



106. Find compound interest paid when a sum of ₹ 10,000 is invested for 1 year and 3 months at  $8\frac{1}{2}\%$  per annum compounded annually.

- 1) ₹ 1000                              2) ₹ 1404.36                              3) ₹ 1080.56                              4) ₹ 1500

107. Which of the following equation is Linear equation.

- 1)  $x^2 + 2 = 9$                               2)  $\frac{x}{2} + y = 3$                               3)  $4x - 8y = 9$                               4)  $(x + 7)^2 = -1$

108. Number '0' represented of the following fraction?

- 1) Improper fraction                              2) Proper fraction                              3) Compound fraction                              4) Zero fraction

109. A train leaves Station A at 14 o'clock and reaches Station B at 8 o'clock. How long is the trip?

- 1) 1080 min                              2) 600 min                              3) 480 min                              4) 12 hour

110. Calculate the number of days from 17-1-2000 to 23-3-2000.

- 1) 66 days                              2) 65 days                              3) 68 days                              4) 67 days

111. Find the angle between the two hands at 2 hour 35 min.?

- 1)  $192\frac{1}{2}^\circ$                               2)  $132\frac{1}{2}^\circ$                               3)  $155\frac{1}{2}^\circ$                               4)  $160\frac{1}{2}^\circ$

112. The ratio of Boys and girls in a class is 7 : 2. If no. of Boys are 28 then no. of Girls?

- 1) 10                              2) 6                              3) 7                              4) 8

113. Find the Volume of a cuboid whose breadth is half of its length and height is double the length,

- 1)  $x^2$                               2)  $x^3$                               3)  $3x$                               4)  $2x^3$

114. Find  $x$  if  $5^{2x+1} \div 25 = 5^3$

- 1) 0                              2) 1                              3) 2                              4) 4

### MATHEMATICS METHODOLOGY

115. Word "Mathematis" derived from which language

- 1) Greece                              2) Latin                              3) French                              4) English

116. Among the following that has most extensive range.

- 1) Measurement                              2) Test                              3) Evaluation                              4) Examination

117. One can be a good Mathematics Teacher if he

- 1) has genuine interest in Maths teaching                              2) knows how to control Students  
3) knows his Subject                              4) has good expression

118. In the curriculum of School what is the Status of Mathematics

- 1) Important Subject                              2) Compulsory Subject  
3) Optional Subject                              4) Unnessary Subject.

119. Who said "Project is a plan of action" ?

- 1) Oxford's Advanced learner's Dictionary                              2) Dr. Kilpatrik  
3) Stevenson                              4) Ballard

120. Concrete operational stage is the following age of children  
 1) 4 to 5 years                      2) More than 13 years  
 3) 5 to 8 years                      4) 8 to 13 years.

**PART-V : ENVIROMENTAL SCIENE CONTENT (30: Marks)**

121. Give an example of Medicinal plant is \_\_\_\_\_.  
 1) Carrot                      2) Amla                      3) Neem                      4) Peepal
122. \_\_\_\_\_ destroy the eggs of a enemy insects.  
 1) Spider                      2) Trichogramma                      3) Snake                      2) Earth worm
123. \_\_\_\_\_ gas released during Photosynthesis  
 1) Carbon dioxide                      2) Oxygen                      3) Nitrogen                      4) Sulphur
124. Honey prepared by \_\_\_\_\_  
 1) Worker                      2) Queen                      3) Drone                      4) None
125. Bhopal gas tragedy occurs due to leakage of \_\_\_\_\_  
 1) Methyl Iso Chloride.                      2) Methyl Iso Cyanide  
 3) Methyl Iso Bromide                      4) Methyl Iso Nitride.
126. Vitamen C rich in \_\_\_\_\_  
 1) Citrus                      2) Amla                      3) Tamarind                      4) Jack
127. Storage of a plant is \_\_\_\_\_  
 1) Gum                      2) Resin                      3) Latex                      4 Starch
128. \_\_\_\_\_ is not a electrical appliance  
 1) Refrigerator                      2) Janto Fridge                      3) Microwave                      4) Grinder
129. Junnu is a \_\_\_\_\_ product.  
 1) Meat                      2) Milk                      3) Vegetable                      4) Biological
130. Chips packet having \_\_\_\_\_ gas  
 1) Oxygen                      2) Nitrogen  
 3) Carbondioxide                      4) Hydrogen.
131. Bamboo houses are found in \_\_\_\_\_ areas.  
 1) Plains                      2) Deccan plateau  
 3) Hilly                      4) Earth quake resistant.
132. Veriod is a \_\_\_\_\_ of the people.  
 1) Relative                      2) Festival                      3) Surname                      4) None

**ENVIROMENTAL SCIENCE METHODS**

133. CCE implemented for \_\_\_\_\_  
 1) Completion of Syllabus.                      2) Teaching, Learning Process  
 3) Evaluation Process                      4) T.L.M related process
134. Activity Based Learning having \_\_\_\_\_ sequence of  
 1) Group Activity, Individuals & Whole Class Activity.  
 2) Individual Activity, Group Activity & Whole Class Activity.  
 3) Whole Class Activity, Group Activity, Individual Activity.  
 4) Whole Class, Individual, Group Activity.

135. Academic Standards of Environmental Studies is \_\_\_\_\_  
 (1) Conceptual Understanding (2) Appreciation (3) Projects Skills  
 (4) Experiment (5) Hypothesis (6) Communications  
 1) 3,4,5,2,1,6                      2) 1,2,3,4,5,6                      3) 1,5,4,3,6,2                      4) 1,2,5,4,2,3,6.
136. Fundamental duties are in which part of the Indian Constitution?  
 1) Part-III                      2) Part-IV                      3) Part-IV A                      4) Part-IV B
137. Which one of the following committees is not associated with panchayati Raj in India?  
 1) Sadiq Ali Committee                      2) DineshGoswami Committee  
 3) L.M. Singhvi Committee                      4) P.K.Thungan Committee
138. Find the correct pair  
 1. Godavari - Musi River as tributary  
 2. Ganga - Yamuna is tributary  
 3. Bharamaputra - Dibang is the tributary  
 Choose the correct code  
 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
139. Which among the following is odd man out?  
 1) Right to Equality (Articles 14-18)  
 2) Right to Freedom (Articles 19-22)  
 3) Right against Exploitation (Articles 23-24)  
 4) Right to Freedom of Religion (Articles 20-22)
140. Acid rains are caused due to  
 1) SO<sub>2</sub> and NO<sub>2</sub>                      2) NO<sub>2</sub> and H<sub>2</sub>O                      3) SO<sub>2</sub> and HCl                      4) HCL and H<sub>2</sub>O
141. Find the correct pair dam  
 1. Nagarjuanasagar - Nizamabad  
 2. Singur project- Sangareddy  
 3. Kaleswaram-Jayashankar Bhupalapally  
 Choose the correct code  
 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
142. Find the correct pair  
 1. Jaipur power generation - Adilabad -  
 2. Damaracharla power station - Nalgonda  
 3. Mauguru thermal power station - Bhadrarikothagudem  
 Options  
 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
143. Which among the following is incorrect statement.  
 1) Telangana sex ration is 988  
 2) Literay of Telangana is more than India  
 3) In India and Telangana both female literacy is less than male literacy  
 4) None of the above

144. Consider the following statement about Earth quake?
1. The location below the earth's surface where the earthquake starts is called the epicentre, and the location directly above it on the surface of the earth is called the hypocentre
  2. Earthquake is slow onset disaster
  3. Approximately 59% of India's India is susceptible to earthquakes
- Choose the incorrect code
- 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
145. Banki bucket term associated with?
- 1) Floods                      2) Forest fire                      3) Cyclosne                      4) Tsunamis
146. Find the correct code about helpline numbers
1. 108 - timely delivery of patient in ambulance to hospitals
  2. 102- especially for ammavodi and pregnant women ambulance service
  3. 104- medical information, advice and suggestion
- Choose the correct code
- 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
147. Consider the following statement about buddhism?
1. At the age of 35, he decided to leave the palace in search of peace and understanding of the world's ills.
  2. Born in kapilavastu 600 BC
  3. He propounded ashtanga marga
- Choose the correct code
- 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above
148. Which among the follwoin are essential part of discussion?
1. The leader-the teacher
  2. The group the students
  3. The problem or the topic
  - 4 The content-body of knowledge
  5. Evaluation-change in ideas, attitudes.
- Options
- 1) 1,2 and 5                      2) 2,3 and 5                      3) 2,3,4 and 5                      4) All the above
149. Consider the following staements
1. Primary sources include -Physical remains or relics or unconscious testimony in far-off historical sites, roads, pyramids, human remains, clothing,
  2. Secondary sources include These are those sources that are written by those who are not on the scene of the event. They describe the reports of those who either participated in an event or were eyewitnesses
- Consider the following statements
- 1) Only 1                      2) Only 2                      3) Both 1 and 2                      4) Neither 1 nor 2
150. How many stages are there in Field trips
1. Preparation
  2. Field trip itself
  - 3) Recapitulation stages.
- Choose the correct code
- 1) 1 and 2                      2) 2 and 3                      3) 1 and 3                      4) All the above

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