## 12311

601® ถi．
Roll No．


ฮศณ： 2 ઘผึ 30 สิลิธ్
ઘૂส્త์ વ゚ఆપા ： 150
Time： $\mathbf{2}$ Hours 30 Minutes
Full Marks ： 150

## 










## INSTRUCTIONS TO THE CANDIDATES

1．The admission to the examination is provisional． In the event of any information furnished by the candidate found false／incorrect／incomplete detected at any stage，the candidature shall be rejected．

2．Darken the circles in the OMR sheet completely with Black／Blue ball point pen only．Partial darkening shall not be evaluated． －Techofworld．in
૪． Q⿴囗十⺝刂／\＆ ตอิ／d
คถิ ลิิศ
ตุณ4ાઘ
8．ज® घฮణణ








es completely 1 d． luid／erasing by e evaluated．
be opened until correctly in this I answer－sheet．

6．The candidate should check the No．of Printed Pages and Questions along with their Serial Nos．In case of any discrepancy found， exchange the defective one and collect another correct one from the invigilator within 5 （five） minutes and thereafter no complaint shall be entertained．

7．The examination shall be conducted as per the Odisha Conduct of Examination Act， 1988.

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Each question has four possible answers. Choose the correct answer from among them and darken the appropriate circle completely in the OMR Sheet with Blue / Black ball point pen.





 ด| ดั $^{2}$

(A) পाடণชิธ
(B) โा|ロ1ถิธ
(C) ขा6ดสิธ



(A) ลิิ్्रิตु ถิชิก
(B) तิषाहावृष्ष



1. Which one is not correct?
(A) Development is a life-long process
(B) Development always takes place uniformily
(C) Development is individualistic
(D) Development does not stop at maturation
2. Which process is the motivation ?
(A) Mental
(B) Physical
(C) Emotional
(D) Social
3. What type of questions should the teacher ask to identify creative children?
(A) Divergent thinking ,
(B) Diagnostic
(C) Covergent thinking
(D) Activity based

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4．घ६ 6ロダaル ？


（C）વЯ6ઘaฉรด थロด
（D）®ઘ6ณษ घศตู

（A）घ๐ค ลิจดด
（B）Яाहฉิธ్ ถิธ్రाด
（C）－



（A） Cc 80 2 PC90
（B）ecrse a ecoo
（C）ecのe 玉ecro
（D）ecreqecco


（B）घા 6ఐ｜ฮิ વ6గ ఎભ્વાથા

 थाง
child？
（A）Lack of interest in study
（B）Mentally unstable
（C）Lack of adjustment
（D）All of the above
5．Which one is associated with ＇Disckessia＇？
（A）Reading disorder
（B）Mental disorder
（C）Hearing impaired
（D）Behavioural disorder
6．When did the integrated education programme start in India ？
（A） 1950 to 1960
（B） 1961 to 1970
（C） 1971 to 1980
（D） 1981 to 1990
7．In a motivated learning situation the learner：
（A）Becomes interested to ask questions
（B）Memorises the lesson by cramming
（C）Prepares himself for the exami－ nation
（D）His memorization and forgetting becomes equal

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（A）ઘાๆすা৫
（B）6ลีคด｜ริष
（प）எ๐ถाஜृ
（D）६पฉฐเก
 शัธั＂？
 ©62？
（B）घ®Q ดार्व์4 6mは

 ほ๕り1


（A）2005－2006
（B）2006－2007
（C） $2007-2008$
（D）2008－2009

8．What type of evaluation is the entrance test？
（A）Summative
（B）Diagnostic
（C）Formative
（D）Placement

9．Which one is not a free response type question？
（A）How many gases are released by a tree during day time？
（B）Write the functions of leaf．
（C）Write the use of water．
（D）Explain how a piece of stick can be used．

10．When did multi－lingual education programme start in our state？
（A）2005－2006
（B）2006－2007 ${ }^{\text {＇}}$
（C） $2007-2008$
（D）2008－2009

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(A) 60.46
(B) 60.64
(C) 65.46
(D) 75.46





 g®a
13. ธุดั้ส ตุณை
(A) 68 ¢ิิส
(B) 62 ลึ 6 ฉึก
(C) 6ઘ16ஏવ ロાธ์
(D) ต๐\&®®|व์प
11. According to 2011 Census of our country what is the literacy rate of women?
(A) 60.46
(B) 60.64
(C) 65.46
(D) 75.46
12. Which of the following is not related to child-centred teaching and learning?
(A) Emphasis on learning experience
(B) Emphasis on holistic development
(C) Emphasis on self-learning
(D) Emphasis on class-room teaching
13. Which one is not an evaluation tool?
(A) Checklist
(B) Rating scale
(C) Progress Card
(D) Home task

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（A）बศઘサ1Q ઘ6ศ๔ด

（C）बิब्बा马 గิセุaส

 ฐ๐๕゙？
（A）ถิવूकิ
（B）จสู่ก
（C）६पाத丩｜థดส
（D）घฉธ์ก


（A）घลิઘฉุก
（B）घลิจเฉ
（C）घลิ6ดสุด1
（D）ब®घ।01

（A）曰छ
（B）थाવृ ઘ6ஹાવ
（C）ๆ｜ฮฺ
（D）थाஜุ ฮศ্ศाถ

14．Which one is not a step in experi－ mental learning？
（A）Sensing the problem
（B）Defining the problem
（C）Drawing conclusion
（D）Construction of knowledge

15．Which one is not a step of meaningful learning ？
（A）Engagement
（B）Explanation
（C）Illustration
（D）Demonstration

16．Which of the following is related to the learner＇s hand－ writing？
（A）Maturation
（B）Family
（C）Environment
（D）Peer－groups

17．Which one is the extrinsic motivation？
（A）Punishment
（B）Self－satisfaction
（C）Interest
（D）Self－esteem

# $\bigcirc \bigcirc$ TET-P-I/17(1st) 


(A) இ6ณธा
(B) ฉฯવ-વ1ศิช
(C) ઘค్|ิ๐
(D) ઘเล์ตถฺ




 ถถิจ|


曰ร์|ญથૃ6ก ?
(A) ลกุตाช์
(B) वर्वृ२
(C) क्षाఖ्यิగ्र
(D) 66๘ุ
18. Which is not a nature of learning ?
(A) Purpose
(B) Limited to Age
(C) Active
(D) Universal
19. Which one is not correct?
(A) Showing impartial attitude towards the children
(B) Praising a child before other children
(C) Not comparing a child before other children
(D) Not giving maximum scope to the child
20. "Learning is the modification of behaviour through experience and training." Who stated it?
(A) Hilgard
(B) Skinner
(C) Cavlin
(D) Gates

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 ฐ6ฐँ ？
（A）ขఆิ6ઘลส
（B）สิโ్వส
（C）ลิธ्ञाष
（D）ขखิดุจิ
 ஞু๘ા｜ฉQ ？
（A）थघ्यణ，
（B）घด1ศ木ส
（C）ตূmाฆฉ
（D）घఁ्व์46ロब్สส
 6ミฒひાけ？
（A）घ｜夕ાถิธ
（B）6ลైิถి
（C） 6 ลิส్વిథ్ర



（A）थाવृ वํ⿴囗十⿰幺幺
（B）बवाัช
（C）ตละา
（D）घఠு

21．Which of the following is not a continuous process？
（A）Motivation
（B）Learning
（C）Development
（D）Growth
22．Which of the following is both qualitative and quantitative？
（A）Study
（B）Experimentation
（C）Evaluation
（D）Observation
23．By which process does the growth of the individual take place？
（A）Social
（B）Biological
（C）Educational
（D）Continuous
24．Which one is related with the assimi－ lation of Piaget＇s cognitive develop－ ment？
（A）Self－cognition
（B）Accommodation
（C）Imagination
（D）Perception

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 ตૂळ๙ひાv？


（C） 6 ฉఇษQ 8ฐ8ઘા｜
（D）இઘ6ล｜๑ ฮศศู
 ๕घ6ઘાศ1 थ6ธ ？
（A）ฐबิ घ®1ศส

（C）ஜুछ1 घவ1बฺ ．


（A）6ศศ๔
（B）घほぁ
（C）बิกด


25．Which one refers to＂Cephalocaudal＂ development？
（A）From centre to head
（B）From head to toe
（C）From centre to periphery
（D）All of the above

26．Which method is suitable to identify the gifted learners？
（A）Intelligence Test
（B）Teachers observation
（C）Achievement Test
（D）All of the above

27．Who was the propounder of obsrvational learning？
（A）Gates
（B）Bandura
（C）Skinner
（D）Cavlin

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(A) గิอฉฉ ฉิપ్










 ฉบฉฐ|

(A) ब®पाઘ®૫
(B) घाهप घূส
(C) घథ 6Я๓ก
(D) बฯ ดิธิ
28. Which principle is not associated with growth and development?
(A) Principle of continuity
(B) Principle of contiguity
(C) Principle of integration
(D) Principle of segregation
29. Which is not a feature of special education?
(A) Special school for specific disabled learners
(B) Special educators for teaching disabled learners
(C) Each class should consist of atleast 20 learners
(D) Provision for vocational training for such learners
30. Which is not a Recognition type test?
(A) True and False
(B) Sentence completion
(C) Matching
(D) Multiple choice

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M. I. L. (ODIA)













 ติष్ళิથૃm।














 ลโั゙



(C) ถิछ్घథุఠ్
(D) थाЯฺุส్ళิ


（A）बূ6ตi！
（B）円ถิญด
（C）घूロाஎ
（D）ลิᄈ्षाด








 घลิธัฉลை ？

（B）घเฉЯાข્ર์ळ
（C）घાศบญด
（D）ถฯ｜இญ｜ด
 หथाง？
（A）थ｜รृa囚ख｜ฉ
（B）இ凹｜囚囚।
（C）ๆ｜ஜุઘ๐｜
（D）वஜ৭ఝ®।

 6ms ：











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 ขุ 6 ?






(B) घ๓ घฉฉ1 घાઁ
(C) घฉฉ|ক़ิ घાณั

 เถิฮุ 6 ก ?


(C) ลิઘุ ฉลิથุ 6 ก


(A) ขવ্ৰ6ด વ๐ต|ร
(B) ถิจવ્વ घตศ


 థ|వส ద్థ'ส ?
 6®『ほ


 ถथ્વஇ
 ต'छा ?
(A) Яાศส
(B) घ|๔ส
(C) ขா6ा|
(D) घूळஞ

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（A）6ดีสีเร์
（B） 6 ติกิด
（c）Qब्ष ब
（D）פूธ11．

（A）हิठчषศ์
（B）గิゅஹ
（C）ถิઘूส๒｜
（D）กิดล์ก




 6ఇ囚 घธิิ6m।

 696m 1
Mran Fong ano


（A）बธ｜ฉธा ฉถิ
 ด｜ ด $^{\text {² }}$


 ब＇สा ？
（A）ধূ囚｜ธ4
（B）ฐ84 आa60 ฐ89

（D）घूश्र థष্ष థथा


（A）ขลิ
（B）घロ
（C）घ®ิ
（b）g


（A）ลิธ $181+x$
（B）ลิกิ๑1＋氏
（C）ลิถฺ1＋$\sqrt{ } x_{2}$
（D） 6 ลิ $68+\sqrt{2}$

（A）К168®81
（B）ก ก6ธ＠ロ｜
（C）『16๕＠ด।
（D） $6 \varnothing 6$ ตめด

（A）๕ุฉ
（B）ภை
（ф）ข6รดघ
（D）$\widehat{ฺ \Omega}$
 กล्व4 โू6ั ？
（A）छดธ घबఠाQ ถิक्षाธा वायत

（C）6बीकुषठाQ ถิळाषा बाटर

 ฐ6รั ？





 ฝิøાઘル ？
（A）ఆต్ตฺ（＂＂）
（B）उपाब（－）
（C）बศा（，）
（D）घタロロ1（）

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 ตथाง？
（A）ๆ｜6ดสิธ ลิถाธ์




（A） ภณึ
（B）$\checkmark \boxed{\square Q}$
（C）ศถะ
（D）กถด
 กा






（B）กิศณை घ®

（D）घถิฉถิธ घอ
 6£はひル？




 §6®ั？
（A）છึอกิษก
（B）¢ุषุกิธก

（D）घ® घ०ก



 6®Q？


（C） 6 ตโロ घূ®ロ


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L-ENGLISH
61. Pick out the grammatically acceptable sentence :
(A) Alas, the poor man is dead.
(B) Alas the poor man is dead!
(C) Alas! The poor man is dead.
(D) Alas, The poor man is dead.
62. The French army $\qquad$ defeated at Waterioo.
(A) is
(B) are
(C) was
(D) were
63. Hurry up! We $\qquad$ late for school.
(A) were getting
(B) get
(C) are getting
(D) got
64. Which one of the following sentences is acceptable?
(A) He didn't never go to school.
(P) Never he goes to school.
(C) He never goes to school.
(D) He goes to school never.
65. Pick out the error part of the sentence:

The call of the seas have always found
(A)
(B)
$\underset{\sigma}{e} \frac{\text { an echo }}{(C)} \quad \frac{\text { in him. }}{(D)}$
66. Identify the grammatically acceptable sentence:
(A) He gave some informations.
(B) He gave me an information.
(C) He gave an information to me.
(D) He gave me some information.
67. What time is the news $\qquad$
T. V. ?
(A) in
(B) with
(C) on
(D) at
68. It $\qquad$ when I got up.
(A) was raining
(B) is raining
(C) rains
(D) will rain

## SET-A

69. Many Indians demand to boycott —_ goods.
(A) Chinese electronic beautiful
(B) electronic beautiful Chinese (7) beautiful Chinese electronic
(D) electronic Chinese beautiful
70. Don't think the stranger an ordinary person. He is $\qquad$ S. P.
(A) a

5月.
(B) an
(C) the
(D) some
71. A child studying in Class $V$ says, ' I drinked water.'

It indicates that the child $\qquad$
(A) has not learnt grammar rules properly.
(B) should memorize the correct sentence.
(C) has over generated the rules for making past tenṣe verbs showing that his learning is taking place.
(D) is careless and should be taught to be conscious of its errors.
72. The productive skills of a language are $\qquad$ _.
(A) reading and writing
(B) listening and speaking
(C) reading and speaking
(D) speaking and writing
73. The use of punctuation is a subskill of $\qquad$
(A) listening
(B) speaking
(C) reading
(D) writing
74. Formative assessments are conducted $\qquad$ .
(A) all through the course
(B) at the beginning of a lesson
(C) at the end of the term
(D) at the end of the session
75. Continuous comprehensive evaluation emphasizes $\qquad$ -.
(A) process evaluation
(B) term-end evaluation
(C) product evaluation
(D) summative evaluation
76. Learning of English in India as a second language has been so important since $\qquad$
(A) English is a foreign language.
(B) English is an international language.
(C) People speaking English are highly honoured.
(D) India is a multi-lingual country.
77. On a four-lined hand-writing paper, all the capital letters and the numbers are written in $\qquad$ .
(A) lower three lines
(B) upper two lines
,(C) upper three lines
(D) middle two lines
78. Activity : Fill in the blanks in the following letter.

| Dear___ our holidays in Ooty |
| :---: |
| We___ for |
| very much. Usually we__ marvellous. |
| long walks everyday. The scenery |
| Wish, you were here. |
| Love, |

The above writing activity in the box is a kind of $\qquad$
(A) guided writing
(B) paraliel writing
(C) controlled writing
(D) free writing
79. Sarvesh is about forty five / and his hair / is starting to go grey /

Reading according to the division of the above sentence in the box is called $\qquad$
(A) word reading
(B) phrase reading
(C) chunk reading
(D) clause reading
80. The pronunciation of the word 'take' is $\qquad$
(A) /tark/
(B) 1 teik $/$
(C) /taek/
(D) /tar:k/

Direction (Q. Nos. 81 to 85) : Read the passage carefully and answer the questions choosing the correct alternatives given below.

When I was a boy, I liked swimming very much. One year my two brothers and I spent the summer holidays with my uncle and aunt in their house by the sea. It was only twenty yards from the water. Every day we put on our swimming suit before breakfast, ran down to the sea across the sand and jumped in. From then until evening we were in the sea or on the beach most of the time. When our aunt rang a bell, we went back to the house for food. After food we were back in the sea.

The water was warm, the sun shone every day, and most of the days there were no waves. In the middle of the day a wind always began to blow but it was not strong enough. So it did not make the sea rough.
81. The three boys liked $\qquad$ very much.
(A) playing on the sand
(B) boating on the sea
(ट) swimming in the sea
(D) cycling down the hill
82. One year they spent their
$\qquad$ with their uncle.
(A) Christmas holidays
(B) winter holidays
(C) summer holidays
(D) school holidays
83. They put on their swimming suit
$\qquad$
(A) after lunch
(B) after breakfast
(C) -before breakfast
(D) after tea
84. When their aunt rang a bell, they went to the house for $\qquad$
(A) sleep
(B) study
(C) food
(D) swimming suit
85. The word 'rough' has been used in the given passage. Its opposite is
(A) violent
(B) calm
(C) strong
(D) dangerous

Direction (Q. Nos. 86 to 90) : Read the passage carefully and answer the questions choosing the correct altematives given below.

The ostrich is the largest of all birds. It is found in the grassland areas of Africa. It eats fruits, leaves and seeds.

An ostrich has wings but cannot fly. Instead, it runs very fast. It can run at a speed of eighty kilometres an hour.

Ostrich feathers are soft because they are not needed for flying. Unlike other birds, the ostrich has only two toes on each leg.
86. Ostrich is very popular beacuse
$\qquad$
(A) it can't run very fast
(B). it can fly very high
(C) it is seen all over the world
(ø) . it is the largest of all birds
87. An ostrich cannot fly because
$\qquad$
(A) its feathers are soft
(B) its wings are not strong
(C) its eyes are small
(D) its body is heavy
88. Ostriches run at a speed of about
$\qquad$ an hour.
(A) 180 kilometres
(B) 18 kilometres
(C) 80 kilometres
(D) 88 kilometres
89. Ostriches are found in $\qquad$ areas.
(A) dry land
(B) grass land
(C) wetland
(D) high land
90. A vegetarian eats $\qquad$
(A) fruit, leaves and seeds
(B) chicken, mutton, prawn
(C) blood, flesh, bone
(D) egg, fish, meat

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| สสิช |
| :---: |
| MATHEMATICS |



(B) గิธ్షศ్ళฺุ

(D) ๆ®®ดฉ।
 घ। ठิक्ष ब्र ?
 Эศ
 વ๐ตய| ตสா
 ตสเร
 ตศ


(A) थ1601ร
(B) थロ6018
(C) वొ6్ణీสీ
(D) ลิธฆฆส
91. Which one is not related to the nature of Mathematics?
(A) Exactness
(B) Specific sequence
(C) Expanded expression
(D) Pattern
92. Which one is the correct order in the sub-unit of number identification?
(A) Writing Number, Counting Number and Order of the Number
(B) Writing Number, Order of the Number and Counting Number
(C) Order of the Number, Writing the Number and Counting the Number
(D) Counting the Number, Writing the Number and Order of the Number
93. In which method in teaching Mathematics one proceeds from unknown to known?
(A) Inductive
(B) Deductive
(C) Synthesis
(D) Analysis

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 \％62 ？
 વ688\％ஜๆศิ
 घเฉสิ
 घถิศเઘ ષลิะไ




（A）ఇब घฉ घ1גส
（B）ఇฮఇฉิ घฝ1ชส
（C）สิชสสศด घฉ1ชส


 คดઘル๙ા ？
（A）ๆ『6018
（B）ข16ロ19
（C）ฉิ6ศ్ణสส
（D）व®6థ్ูส

94．Which one is not connected with the usibility of the lesson plan？
（A）Teacher becomes aware of the learning objectives
（B）Leamer，understands the pre－ determined learning objectives
（C）Pre－requisites of content knowledge of the learner is tested
（D）The achievements of the learner is evaluated

95．According to experts which one is most appropriate to identify the gifted learner？
（A）Intelligent Test
（B）Achievement Test
（C）Aptitude Test
（D）Personal Observation of the teacher

96．In which method are the mathematical problems solved using pre－ established rules？
（A）Deductive
（B）Inductive
（C）Analysis
（D）Synthesis







(B) $62 \mathrm{c}^{\circ} 6$ g

(D) gศ্ধநূ
 ®ิน?
(A) ตสิษ 6ศฺ|

(C) बสิะ
(D) ตสิ® gథฺ๐
97. Which is the correct order of teaching Mathematics?
(A) Understanding, Evaluation, Knowledge and Application
(B) Knowledge, Application, Understanding and Evaluation
(C) Evaluation, Application, Understanding and Knowledge
(D) Knowledge, Understanding, Application and Evaluation
98. Which is the technique of observation?
(A) Standardised Test
(B) Rating Scale
(C) Interview
(D) Questionnaire
99. Which one is different from the co-scholastic point of view in Mathematics?
(A) Mathematics Fair
(B) Mathematics Quiz
(C) Mathematics Club
(D) Mathematics Project

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(A) ६श ถิธด

(C) গ্মดสাূূm


(A) 8
(B) 4
(6) $36+36$
$1 / 2$
(C) 2
(D) 1


(A) 18
(B) 22
(C) -18
(D) -22

100. "The measure of all the angles of a triangle are equal, then what type of triangle is it ? " What type of question is it ?
(A) Multiple choice
(B) Recognition type
(C) Recall type
(D) Analogy type
101. $2^{\left(3^{2}\right)}$ is how many times of $\left(2^{3}\right)^{2}$ ?
(A) 8
(B) 4
(C) 2
(D) 1
102. If $\frac{5}{9}$ is divided by $\frac{a+7}{a-5}$, the quotient is 1 , what is the value of ' $a$ '?
(A) 18
(B) 22
(C) -18
(D) -22
 ตเตรด 6ศัต์4 26 69. ดิ. उ घูศ





 69. โิ. 6®ด ?

(A) 396
(B) 496
(C) 500

(D) 600
103. A rectangular sheet of card board, shown below in Fig.-1 is 26 cm long and 16 cm broad. Squares, each of 3 cm edge, has been removed from each corner of the paper sheet. An open cuboidal tray, as shown in Fig.-2, was made using the remaining sheet of card board. What is the volume of the open space, in cubic cm . available in the tray ?

(A) 396
(B) 496
(C) 500
(D) 600









104. The following bar graph shows the quantity of paddy sold in the month of January, February, March and April. If the difference between quantities of paddy sold in February and April is 6 quintals, then what is the total quantity of paddy sold in January and March in quintal?

(A) 14
(B) 16
(C) 22
(D) 24

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105. 2, 5, 10, 17, 26,

 689?
(A) $38,50,65$
(B) $37,52,65$
(C) $37,50,64$
(D) $37,50,65$
 6ฆ6๒1สิ ธิญะ หิอิตเลิจ ?
(A) 5

(B) 6
(C) 8
(D) 10
106. 2, 5, 10, 17, 26 ,

What are the three numbers to be placed in blank space left in the sequence of numbers given above to make the sequence correct?
(A) $38,50,65$
(B) $37,52,65$
(C) $37,50,64$
(D) 37, 50, 65
106. How many triangles can be obtained by joining the vertices of a quadrilateral?
(A) 5
(B) 6
(C) 8
(D) 10





 ๔ઘા円ાઘิจ ？
（A） 64
（B） 68
（C） 72
（ロ） 76




（A） $33 \frac{1}{3} \%$
（8） $33 \frac{2}{3} \%$
（C） $35 \frac{1}{3} \%$
（D） $35 \frac{2}{3} \%$

107．Each edge of a garden of square shape is 54 m long．In order to surround it by wire netting，pillars are to be raised at intervals of 3 m ．If the raising of pillars starts from a corner of the garden，what will be the number of pillars necessary？
（A） 64
（B） 68
（C） 72
（D） 76

108．A shopkeeper sold 6 cold－drink bottles at his cost price of 8 ．What percentage of profit he made？
（A） $33 \frac{1}{3} \%$
（B） $33 \frac{2}{3} \%$
（C） $35 \frac{1}{3} \%$
（D） $35 \frac{2}{3} \%$

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(A) 100
(B) 90
(C) 80
(D) 70



 69. ดิ. ?

$$
\text { (A) } 8
$$

(B) 12

(D) 32
109. In a school, the total number of students was 160 in the year 2015. In the following year, the number of girls decreased by 20 and the number of boys increased by 20 . As a result, the number of boys became 7 times the number of girls. During 2015, the number of boys was how much more than the number of giris?
(A) 100
(B) 90
(C) 80
(D) 70
110. 16 number of square sheets of paper each of 1 cm edge were kept adjacent to each other on a table to form a bigger square. What is the perimeter of the bigger square in cm . ?
(A) 8
(B) 12
(C) 16
(D) 32

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 बะ વรાด ఇ6த ?
(A) ₹ $120^{\prime}$
(B) ₹ 75
(C) ₹ 80
(D) ₹ 90






(A) 392
(B) 380
(C) 292
(D) 280
111. $25 \%$ of what sum of money is equal to $12 \frac{1}{2} \%$ of ₹ 180 ?
(A) ₹ 120
(B) ₹ 75
(C) ₹ 80
(D) ₹ 90
112. The length of a rectangular field is 80 m and breadth is 60 m . A road of width 2 m is constructed inside the field adjoining one side representing its length and two sides representing its breadth. What is the area of the road in square metre?
(A) 392
(B) 380
(C) 292
(D) 280





(A) 1000
(B) 2000

$$
\pi 2 x^{1.5 x 1}
$$

(C) 2500
(D) 1500







(A) 3.20 pm
(B) 3.15 pm
(C) 2.20 pm

113. The length, breadth and height of the inner space of a cuboidal tank are 2 m ., 1.5 m ., and 1 m . respectively. If a quantity of 500 litres of water is taken out of it while it was full to the brim, then how many litres of water will be left in it?
(A) 1000
(B) 2000
(C) 2500
(D) 1500
114. At 6 am, Satyajit started his journey from his house to his Uncle's house. Firstly he made his journey by a bus for 3 hours 25 minutes, then he made his journey in a train for 4 hrs 15 min and lastly he made a journey by a rickshaw which took him 40 min and he reached his Uncle's house. At what time did he reach his Uncle's house if he did not waste any time while changing the vehicles?
(A) 3.20 pm
(B) 3.15 pm
(C) 2.20 pm
(D) None of these



(A) $30^{\circ}$
(B) $45^{\circ}$
(C) $60^{\circ}$
(D) $120^{\circ}$

(A) 2864423
(B) 2863423
(C) 2865423
(D) 285,3423


(A) 225
(B) 237
(C) 239
(D) 240
115. If the length of the side of a rhombus is equal to the length of its smaller diagonal, then what is the measure of its angle of larger magnitude?
(A) $30^{\circ}$
(B) $45^{\circ}$
(C) $60^{\circ}$
(D) $120^{\circ}$
116. Which number is divisible by 11 ?
(A) 2864423
(B) 2863423
(C) 2865423
(D) 2853423
117. What is the sum of all the odd natural numbers from 1 to 29 ?
(A) 225
(B) 237
(C) 239
(D) 240



(A) 8932
(B) 8392
(C) 8931
(D) 8391



(A) 25
(B) 28
(c) 35
(D) 105

(A) $\frac{307}{300}$
(B) $\frac{1023}{900}$
(C) $\frac{308}{300}$
(D) $\frac{1021}{900}$
118. What is the difference between the sum of the place value and real value of 9 and the sum of the place value and real value of 7 in 9876 ?
(A) 8932
(B) 8392
(C) 8931
(D) 8391
119. The HCF of 14, 21 and another number is 7 and their LCM is 210 . Then what is the third number?
(A) 25
(B) 28
(C) 35
(D) 105
120. Which of the following is the rational form of $1.02 \overline{3}$ ?
(A) $\frac{307}{300}$
(B) $\frac{1023}{900}$
(C) $\frac{308}{300}$
(D) $\frac{1021}{900}$

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## घลิ6ด๘ ดิฒ্ঞাด <br> ENVIRONMENTAL SCIENCE



（A）घถิจाश16々 ลิฐपष घดाश थृฉा－ 686\％
（B）※ূ－ઘ

 686
 ఆपूथृద66\％

（A）घब्ष์ส घm


（D）Яाघ्घाட्্র์夭 ఇగ

 ลุใั ？
（A）Яાळ์ $9 e$
（B） B $_{2} 9$
（C）6ロ6ઘุศムล 9ๆ
（D）ชิ6घศด 99

121．In which case，positive work is done with least resistance？
（A）While there is electric current in a conductor
（B）While a ball is rolling on a horizontal levelled floor
（C）While a ripe fruit is falling from a tree
（D）While a helicopter is rising up from the ground

122．Which one belongs to a different class？
（A）Frictional force
（B）Magnetic force
（C）Static electric force
（D）Gravitational force

123．On which day sun－set does not occur for 24 hours in the region from the Arctic Circle to the North Pole？
（A）March 21
（B）June 21
（C）September 23
（D）December 22

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 ผลิひાฟ ？
（A）घศ์46ロशูธ



 － 6 ほ์る ข66 ？
ถิส્ส｜ข์1 ：
 ฐิสิฮा’ไิ
 ฐโิตเฉลุร
 ฉฐิઘાฉลิ



 ぼઘஜ゙વ
 ぼઘ
 ฐ্｜ઘร\％1
 ฐ｜ઘ尺๐1

124．Relating to the study of a phenomenon of environmental study，mainly on which one of the following the degree of correctness of the inference depends？
（A）Observation
（B）Recording the observed data
（C）Classification of collected data
（D）Analysis of classified data
125．Which ability of a school level learner is the best？

The learner ：
（A）listens attentively while the teacher is teaching
（B）understands fully all that is taught
（C）keeps in memory all that is taught
（D）explains to others correctly all that is taught

126．Which is the correct order of respiratory system？
（A）Nasal passage $\rightarrow$ Trachea $\rightarrow$ Pharynx $\rightarrow$ Lungs
（B）Nasal passage $\rightarrow$ Pharynx $\rightarrow$ Trachea $\rightarrow$ Lungs
（C）Nasal passage $\rightarrow$ Lungs $\rightarrow$ Pharynx $\rightarrow$ Trachea
（D）Lungs $\rightarrow$ Nasal passage $\rightarrow$ Fhiarynx $\rightarrow$ Lungs
 669 ?
(A) बृत
(B) बाछ
(C) घm
(D) ஜূm







 ขઘถิઘุ® ญை

 ขอิઘลิฮุษ ฐป
 ขઘลิઘฺุ ฐ
 ઘลิઘฺุ ๕
127. In which part of cauliflower is food stored?
(A) Inflorescence
(B) Stem
(C) Fruit
(D) Root
128. Who is scientific aptitude based person?
(A) Who analyses threadbare
(B) Who accepts all events easily
(C) Who does not give importance to others opinion
(D) Who argues unnecessarily
129. Which one is not correct?
(A) At a particular temperature on adding solvent in a saturated solution, it becomes unsaturated
(B) At a particular temperature on adding solute to a saturated solution, it becomes supersaturated
(C) On heating a saturated solution, it becomes unsaturated
(D) On boiling an unsaturated solution, it becomes saturated

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(i) घ








 ઊઘ6スึ Яઘ્યઊ :
(A) (i) ৫ (ii) Oิథ $\vee Q^{\circ}$ (iii) Q


(D) (i), (ii) $\checkmark \square^{\circ}$ (iii) 0 Q





130. In case of a balanced chemical equation:
(i) The total number of atoms of the reactants should be equal to the total numbers of atoms of the products
(ii) The total number of molecules of the reactants should be equal to the total number of molecules of the products
(iii) The total number of atoms of each element of the reactants should be equal to the total number of atoms of each element of the products

Out of the above :
(A) (i) and (ii) are correct and (iii) is wrong
(B) (ii) and (iii) are correct and (i) is wrong
(C) (i) and (iii) are correct and (ii) is wrong
(D) (i), (ii) and (iii) are correct
131. Which is not the aim of environment study?
(A) To analyse environment
(B) To pollute environment
(C) To protect environment
(D) To identify learning technique of environment


(A) Яูลสฺิญิธ

(C) กิธ์|รหญิอิธ








(B) घ1สิอ ำเก
(C) घ८๑ இઘ
(D) घิอ ฉด
 ฐ๘ะั ?



(D) घ16ळाสิด
132. Which is the gas liberated during Photosynthesis ? Which type of question is it ?
(A) Recall type
(B) Selection type
(C) Recognition type
(D) Analogy type
133. Which are energy yielding food?
(A) Vitamins and minerals
(B) Carbohydrates and fats
(C) Carbobhydrates and minerals
(D) Carbohydrates and vitamins
134. Which does not contain enzyme?
(A) Pancreatic juice
(B) Saliva of mouth -
(C) Digestive juice
(D) Bile juice
135. Which is not included in Vitamin-B complex?
(A) Riboflavin
(B) Folic acid
(C) Ascorbic acid
(D) Biotin
 ฐ๐๕ँ ？

（B）๔ઘฐ｜ઘ
（C）વূณmाణ：
（D）घ6ศाดค
 वर्वायूक्व？




 6థั้ก162 ข曰ฮิธ ？
（A）ミ12ाタ
（B）வகสルตฺดด
（C）घ२ศฺ̣
（D）थ｜ઘ



（B）षิศ
（C）ขฉฉิถิ


136．Which is not a step in lesson planning？
（A）Specific objectives
（B）Presentation
（C）Evaluation
（D）Promotion
137．Which type of forest has the maxi－ mum area in Odisha？
（A）Tropical semi－evergreen
（B）Tropical moist deciduous
（C）Tropical dry deciduous
（D）Coastal Tidal
138．Where in Odisha are both Sugar and Cement factories located？
（A）Hirakud
（B）Rajgangpur
（C）Baragarh
（D）Aska
139．Which of the following can not be properly shown on the globe？
（A）Small land forms
（B）Direction
（C）Location
（D）Shape of the continents


(A) घ6ุ์ตส
(B) घศ์์ก
(C) घลิษศส
(D) घ®11ศঞ
 §ัธั?


 กิด|๑6ดด|






 ตลิธ|


140. In which method of learning of social science "zoo" could be used ?
(A) Survey
(B) Demonstration
(C) Excursion
(D) Experiment
141. Which is not correct in black board work?
(A) Teacher to write down in big letters clearly
(B) To maintain gap between lines
(C) To erase quickly without reading
(D) To read aloud at the time of writing
142. Which is not associated with the understanding objectives of social science?
(A) Showing the cause of changes in environment
(B) Determining the relations between the economy and the progress of the country
(C) To draw historical sketch maps
(D) Showing the differences in the transport sector

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 ๕ฺตgઘ｜थฉฆิఠ ？

（B） 6 \＆ $1 / \mathrm{II} / \mathrm{C}$
（C）6จัอฉ๙1
（D）इढ़｜Qロต
 6卫はひા ？

（B）उढุ̣ธ｜
（C）बढึंब
（D）Я！

 OT §
（A）घघ।－ઘลิโุฉต

（C）ठ｜இ1－Ø｜ઘ！я


 ตฎข26m ？
（A）बु6घबा1
（B）タู｜खิศ｜ร
（C）थबाম 『ाธิ®4


143．On which riverbed is the Barehipani waterfall located？
（A）The Nagavali
（B）The Kolab
（C）The Baitarani
（D）The Budhabalanga
144．In which coast does rainfall occur during winter？
（A）Coromandal
（B）Odisha
（C）Konkan
（D）Malabar
145．Which pair is not correct in relation to the highest production of agricultural crops with the corresponding states in India？
（A）Cotton－West Bengal
（B）Sugarcane－Uttar Pradesh
（C）Tea－Assam
（D）Groundnut－Andhra Pradesh
146．Which idea was popularised by the early nationalists to promote Industries in India？
（A）Swadeshi
（B）Swabhiman
（C）Laissez－fair
（D）Anti－colonialism

（A）थाঞ জাঁ
（B）Я®প্न区 थగ్మ


 สิฉ๙ 6ఇ｜囚と્6m ？
（A）Яมूવূaล बाव
（B）6สाઘマล 凹ाa
（C）ह1ாफ़ घाव

 ตถลิิ ？
（A）М｜ศูઘఠิ
（B）gdाகqณை 1
（C）घ $9 \varnothing$

 ฉลิฐ๙ด ผถิઘเดริ ？
（A）Мศูઘ®
（B）Мबपघ।

（D）ศूฐ4ศคฺ

147．Who was not associated with the formation of the Muslim League？
（A）Agha Khan
（B）Mohammad Ali Jinna
（C）Nawab Salimullah
（D）Nawab Mohasin－ul－Mulk
148．Who was arrested for his involvement in the Kanika agitation ？
（A）Madhusudan Das
（B）Gopabandhu Das
（C）Nilakantha Das
（D）Nabakrushna Chaudhury
149．Who does act as the guardian of the Fundamental Right？
（A）President
（B）Prime Minister
（C）Parliament
（D）Supreme Court
150．Who can remove the Chairman of the State Public Service Commission ？
（A）President
（B）Governor
（C）Prime Minister
（D）Chief Minister

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