

**CG Vyapam
Asst. Teacher
(SEAE)**

**Previous Year Paper
11 Aug, 2019**





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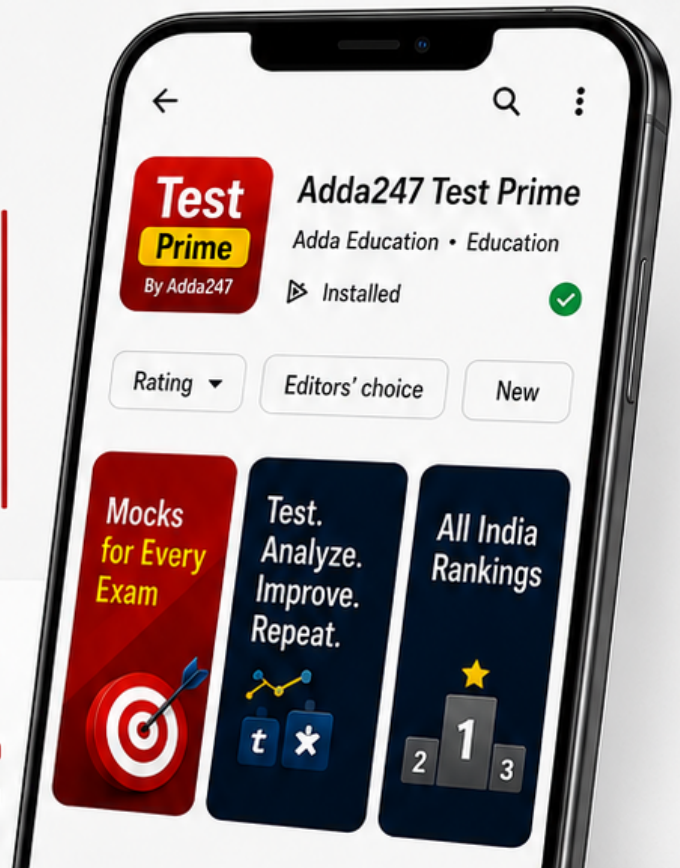


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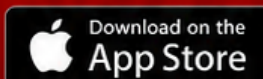


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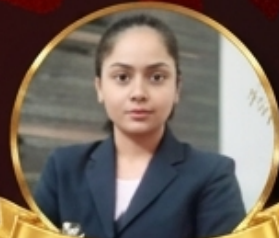
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Subject Code: 0912/TE-TAE/RCE-M SET - A Question Booklet No. 100762

परीक्षा केन्द्राध्यक्ष की मोहर Seal of Superintendent of Examination Centre SLAE - 19	परीक्षार्थी द्वारा बॉल-प्वाइंट पेन से भरा जाए To be filled in by Candidate by Ball-Point pen only उत्तर-शीट का क्रमांक Sl. No. of Answer-Sheet
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घोषणा : मैंने नीचे दिये गये निर्देश अच्छी तरह पढ़कर समझ लिए हैं। Declaration : I have read and understood the instructions given below.	
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प्रश्न-पुस्तिका में पृष्ठों की संख्या Number of Pages in this Question Booklet	24	प्रश्न-पुस्तिका में प्रश्नों की संख्या Number of Questions in this Question Booklet	150
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INSTRUCTION TO CANDIDATES

- Immediately after getting the booklet read instructions carefully, mentioned on the front and back page of the question booklet and do not open the seal given on the question booklet, unless asked by the invigilator.
- Write your Roll No., Answer-Sheet No., in the specified places given above and do your signature.
- Make all entries in the OMR Answer-Sheet as per the given instructions otherwise Answer-Sheet will not be evaluated.
- After opening the seal, ensure that the Question Booklet contains total no. of pages as mentioned above and printing of all the 150 questions is proper. If any discrepancy is found, inform the invigilator within 15 minutes and get the correct booklet.
- While answering the question from the Question Booklet, for each question choose the correct/most appropriate option out of four options given, as answer and darken the circle provided against that option in the OMR Answer-Sheet, bearing the same serial number of the question. Darken the circle only with Black or Blue ball point pen.
- Darken the circle of correct answer properly otherwise answers will not be evaluated. The candidate will be fully responsible for it.
- There are 150 objective type questions in this Question Booklet. 1 mark is allotted for each correct answer and 1/4 mark will be deducted for each wrong Answer.
- Do not write anything anywhere in the Question Booklet and the Answer-Sheet except making entries in the specified places otherwise OMR sheet will not be evaluated.
- After completion of the examination, only OMR Answer Sheet and cover page of question booklet is to be handed over to the invigilator. Carbon copy of the Answer-Sheet and Question Booklet may be taken away by the examinee.
- This Question Booklet consists of Parts namely :

(1) Child Development and Pedagogy	30 Marks
(2) General Hindi	25 Marks
(3) General English	25 Marks
(4) Mathematics	30 Marks
(5) Environmental Studies	20 Marks
(6) Computer Related General Knowledge	10 Marks
(7) General Knowledge	10 Marks

All questions are compulsory.

अभ्यर्थियों के लिए निर्देश

- प्रश्न-पुस्तिका मिलते ही मुख पृष्ठ एवं अंतिम पृष्ठ में दिए गए निर्देशों को अच्छी तरह पढ़ लें। प्रश्न-पुस्तिका में लगी सील को वीक्षक के कहने से पूर्व न खोलें।
- ऊपर दिए हुए निर्धारित स्थानों में अपना अनुक्रमांक, उत्तर-पुस्तिका का क्रमांक लिखें तथा अपने हस्ताक्षर करें।
- ओ.एम.आर. उत्तर-शीट में समस्त प्रविष्टियां दिये गये निर्देशानुसार करें अन्यथा उत्तर-शीट का मूल्यांकन नहीं किया जाएगा।
- सील खोलने के बाद सुनिश्चित कर लें कि प्रश्न-पुस्तिका में कुल पृष्ठ ऊपर लिखे अनुसार दिए हुए हैं तथा उसमें सभी 150 प्रश्नों का मुद्रण सही है। किसी भी प्रकार की त्रुटि होने पर 15 मिनट के अंदर वीक्षक को सूचित कर सही प्रश्न-पुस्तिका प्राप्त करें।
- प्रत्येक प्रश्न हेतु प्रश्न-पुस्तिका में प्रश्न के नीचे दिए गए चार विकल्पों में से सही/सबसे उपयुक्त केवल एक ही विकल्प का चयन कर उत्तर-शीट में सही विकल्प वाले गोले को जो उस प्रश्न के सरल क्रमांक से सम्बंधित हो काले या नीले बॉल-प्वाइंट पेन से भरें।
- सही उत्तर वाले गोले को अच्छी तरह से भरें, अन्यथा उत्तरों का मूल्यांकन नहीं होगा। इसकी समस्त जिम्मेदारी परीक्षार्थी की होगी।
- प्रश्न-पुस्तिका में 150 वस्तुनिष्ठ प्रश्न दिए गए हैं। प्रत्येक सही उत्तर हेतु 1 अंक आबंटित किया गया है तथा गलत उत्तर अंकित करने पर 1/4 अंक काटे जायेंगे।
- प्रश्न-पुस्तिका तथा उत्तर-शीट में निर्दिष्ट स्थानों पर प्रविष्टियां भरने के अतिरिक्त कहीं भी कुछ न लिखें। अन्यथा OMR शीट का मूल्यांकन नहीं किया जायेगा।
- परीक्षा समाप्ति के उपरान्त केवल ओ.एम.आर. उत्तर-शीट एवं प्रश्न-पुस्तिका की कव्हर पेज वीक्षक को सौंपनी है। उत्तर-शीट की कार्बन कॉपी तथा प्रश्न-पुस्तिका परीक्षार्थी अपने साथ ले जा सकते हैं।
- इस प्रश्न-पुस्तिका में निम्न भाग होंगे :

(1) बाल विकास एवं शिक्षा शास्त्र	30 अंक
(2) सामान्य हिन्दी	25 अंक
(3) सामान्य अंग्रेजी	25 अंक
(4) गणित	30 अंक
(5) पर्यावरण अध्ययन	20 अंक
(6) कम्प्यूटर संबंधी सामान्य ज्ञान	10 अंक
(7) सामान्य ज्ञान	10 अंक

सभी प्रश्न करने अनिवार्य हैं।

0912/TE-TAE/RCE-M

Set - A

SPACE FOR ROUGH WORK / रफ कार्य के लिये जगह



PART - 1

CHILD DEVELOPMENT AND PEDAGOGY

1. "Parents spend a lot of time towards the crying children".
The above statement was given by :
(A) Erickson
(B) John Watson
(C) Kolburg
(D) Bandura
2. Vygotsky proposed that child development is :
(A) Due to genetic components of a culture
(B) A product of social interaction
(C) A product of formal education
(D) A product of assimilation and accommodation
3. For Nutrition the diet enriched with proteins is :
(A) Milk
(B) Pulse
(C) Soyabean
(D) All of the above
4. Those students who run away from the class, your behaviour towards them will be :
(A) Repressive
(B) Complimentary
(C) Empathetic
(D) Diagnostic
5. Curriculum means :
(A) All the experiences which students get in school
(B) Subjects that are transferred by the faculty
(C) Syllabus prescribed for the course
(D) Class experiences, games and sports
6. With increase in age, the growth in body of children is known as :
(A) Development
(B) Enlargement
(C) Maturation
(D) Change
7. Right to Education Act-2009 is in implementation for children of which age group ?
(A) 6 - 12 years
(B) 6 - 14 years
(C) 7 - 13 years
(D) 5 - 11 years
8. "Problems are not dangerous instead they are important points for the increase in sensitivity and potential" - was said by :
(A) Piaget
(B) Erickson
(C) Giligan
(D) Kolburg

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9. "Emotional situation of human depends upon body and mind which is the resultant of Emotional development that also affects heredity" was said by :
- (A) Klinberg
(B) McDougall
(C) Skinner
(D) Cattle
10. A child rubs his eyes frequently, he blinks frequently and squints his eyelids together. He is suffering from :
- (A) Hearing impairment
(B) Visual impairment
(C) Speech impairment
(D) Learning impairment
11. Special children are :
- (A) Dull
(B) Gifted
(C) Backward
(D) All the above
12. Knowledge Constructivism means :
- (A) A philosophy of learning which assumes that learning is an active process where learners internally construct knowledge.
(B) The teacher-student relationship where the teacher constructs knowledge and imparts it to the students.
(C) A process of learning where there is a little enquiry and much hands on experiences.
(D) A teaching process that is almost impossible to implement.
13. On the basis of Interview Kolburg's ethical contemplation consist of how many stages ?
- (A) four
(B) two
(C) three
(D) one
14. For the best development in children which age category is considered most important ?
- (A) 15 - 20 years
(B) 10 - 15 years
(C) 05 - 10 years
(D) 01 - 05 years

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15. According to Piaget if a child develops logical operations and can add, subtract, multiply and divide, then he is in which stage of development ?
- (A) Sensory-motor
(B) Pre-operational
(C) Concrete-operational
(D) Formal operational
16. Which affects the most to children's development from mentioned below ?
- (A) Disease
(B) Intelligence
(C) Heredity and Environment
(D) Skill
17. In order to modify an undesirable behaviour permanently it is more effective that immediately after it occurs it should be :
- (A) Punished
(B) Praised
(C) Ignored
(D) Discussed with the person who shows that behaviour
18. Objective of counselling is :
- (A) To understand children
(B) To find out the reasons of shortcoming in children
(C) To help children in adjustment
(D) All the above
19. The main factor in a child for social development is :
- (A) Family
(B) School
(C) Environment
(D) Play ground
20. ZPD means :
- (A) Zeal of Product Determination
(B) Zone of Previous Development
(C) Zone of Proximal Development
(D) Zone of Positive Development
21. Sequencing in development is constant but the speed is different in :
- (A) Social action
(B) Publical action
(C) Individual action
(D) Familial action

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22. Which of the following is **incorrect** pair ?
- (A) Sign theory of learning - Tolman
 - (B) Field theory of learning - Lewin
 - (C) Social learning theory - Bruner
 - (D) Trial and Error theory - Thorndike
23. According to which principle - the development in a child is directional from Head to toe ?
- (A) Principle of developmental direction
 - (B) Principle of development sequence
 - (C) Principle of development uniform pattern
 - (D) Principle of continuous development
24. The aim of Reinforcement in Hull's theory of learning is :
- (A) Need reduction
 - (B) Stimulus reduction
 - (C) Drive reduction
 - (D) Motivation reduction
25. Mainstreaming and inclusion are the parts of which of the following integration ?
- (A) Physical integration
 - (B) Social integration
 - (C) Pedagogical integration
 - (D) Emotional integration
26. Programmed learning is based on the principle of :
- (A) Conditioned learning theory
 - (B) Cognitive learning theory
 - (C) Gestalt theory of learning
 - (D) Operant conditioning theory
27. What are the ways for knowing the children ?
- (A) Observation Process
 - (B) Survey/Interview
 - (C) Case Study
 - (D) All of the above
28. Example of macro functional skill is :
- (A) Holding things
 - (B) Holding the glass
 - (C) Attacking through foots
 - (D) To button
29. A teacher after preparing a question paper checks whether the questions test specific testing objectives. He is concerned primarily about the question paper's :
- (A) Content coverage
 - (B) Typology of questions
 - (C) Reliability
 - (D) Validity
30. The stage of child's acute emotional change is :
- (A) Infancy
 - (B) Early Childhood
 - (C) Adolescence
 - (D) Middle Childhood

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भाग - 2

सामान्य हिन्दी

31. 'हाथ पाँव फूल जाना' मुहावरे का अर्थ है :
- (A) प्रसन्न होना
(B) बीमार हो जाना
(C) पूरी तरह से घबरा जाना
(D) चोट लग जाना
32. निम्नांकित में द्वितीय प्रेरणार्थक क्रिया शब्द का चयन कीजिए।
- (A) खरीदना
(B) आजमाना
(C) स्वीकारना
(D) जगवाना
33. बच्चे स्कूल आने से पहले क्या सीख कर आते हैं?
- (A) मौखिक रूप से बोलचाल
(B) भाषा का व्याकरण
(C) भाषा का साहित्य
(D) भाषा की लिपि का पूर्ण ज्ञान
34. निम्नांकित में किस शब्द में एक से अधिक उपसर्ग का प्रयोग हुआ है?
- (A) बदहवास
(B) सुसंगठित
(C) निखालिस
(D) इनमें से कोई नहीं
35. 'साँप' शब्द के बाद 'एरा' प्रत्यय के योग से निर्मित 'सँपेरा' शब्द में प्रयुक्त प्रत्यय किस भेद के अंतर्गत आएगा?
- (A) भाववाचक तद्धित प्रत्यय
(B) गुणवाचक तद्धित प्रत्यय
(C) कर्तृवाचक तद्धित प्रत्यय
(D) अपत्यवाचक तद्धित प्रत्यय
36. निम्नांकित में उच्चारण-स्थान के आधार पर कंद्य-ओष्ठ्य स्वर वर्ण, कौनसा है?
- (A) आ
(B) ओ
(C) ई
(D) ऊ
37. निम्नांकित में 'पौर्वात्य' का विलोमार्थी शब्द चुनिए।
- (A) पौरस्त्य
(B) पाश्चात्योन्मुखी
(C) पाश्चात्य
(D) उपरोक्त सभी
38. 'नदी-किनारे की ऊँची जमीन जहाँ नदी में आई बाढ़ का पानी कभी न पहुँच पाता हो अथवा उजाड़ क्षेत्र' के लिए प्रयुक्त एक शब्द कौन सा है?
- (A) बाँगुर
(B) बागड़
(C) पनेहड़ी
(D) अवष्टब्ध

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39. 'वज़ीफ़ाधारी' शब्द में किस-किस भाषा के शब्द हैं ?
- (A) अरबी एवं संस्कृत
(B) अरबी एवं उर्दू
(C) अरबी एवं फारसी
(D) इनमें से कोई नहीं
40. 'खर्च कोई करे, दूसरों को दर्द हो', इस कथन को व्यक्त करने वाली कहावत है :
- (A) मीठी बानी बनियाँ बोले, वह ग्राहक की जेब टटोले
(B) एक की ईद, दूसरों की शबरात
(C) जीती मक्खी निगलना
(D) तेली का तेल जले, मशालची का पेट फटे
41. भाषा में मूल्यांकन आवश्यक है :
- (A) बालक के भाषा परीक्षण के लिए
(B) बालक के सामाजिक परीक्षण के लिए
(C) बालक के व्याकरण ज्ञान के परीक्षण के लिए
(D) बालक की शैक्षिक प्रगति, शारीरिक, मानसिक, नैतिक, सामाजिक गुणों के परीक्षण के लिए
42. निम्न में से क्या भाषा विकास की अवस्था नहीं है ?
- (A) अलंकारिक भाषा की ओर रुचि
(B) दूसरों के द्वारा कही हुई बात को समझ सकना या ग्राह्यता
(C) शब्द निर्माण तथा शब्द प्रयोग
(D) वाक्य निर्माण तथा वाक्य प्रयोग
43. विधेय वाक्य का वह अंश है जो :
- (A) वाक्य के शेषांश को बताये
(B) जो उद्देश्य के बारे में सूचना दे
(C) जो वाक्य की निपुणता बताये
(D) जो वाक्य की सुन्दरता बताये
44. भाषा कौशल के प्रकार हैं :
- (A) सुनना, बोलना, लिखना, क्रिया
(B) अलंकार, सुनना, बोलना, पढ़ना
(C) सुनना, बोलना, पढ़ना, लिखना
(D) बोलना, पढ़ना, लिखना, व्याकरण
45. भाषा सीखने के साधन हैं :
- (A) अनुकरण
(B) खेल
(C) बातचीत
(D) उपरोक्त सभी
46. निम्नांकित में कौनसा शब्द-समूह स्त्रीलिंग सूचक है ?
- (A) बाड़, आँख, दौड़
(B) खेत, आलू, कोदों
(C) बाना, रमण, पठन
(D) उपग्रह, खूँट, पिंड
47. 'मनुष्य कितना धन देगा और याचक कितना लेगा'- इस वाक्य में रेखांकित शब्द किस विशेषण के अंतर्गत है ?
- (A) गुणवाचक विशेषण
(B) संबंधवाचक विशेषण
(C) सार्वनामिक विशेषण
(D) संख्यावाचक विशेषण

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48. “यदि + अपि = यद्यपि” किस स्वर संधि का उदाहरण है?
- (A) दीर्घ स्वर संधि
(B) गुण स्वर संधि
(C) वृद्धि स्वर संधि
(D) यण स्वर संधि
49. निम्नलिखित में अनिश्चयवाचक सार्वनामिक शब्द का चयन कीजिए।
- (A) कोई
(B) कौन
(C) यह
(D) जो
50. अपठित गद्यांश का सारांश कितना होना चाहिए?
- (A) दो तिहाई
(B) चार तिहाई
(C) पाँच तिहाई
(D) एक तिहाई
51. निम्नांकित में ‘पाशी’ शब्द का अर्थसूचक शब्द कौन सा शब्द है?
- (A) वरुण
(B) यम
(C) बहेलिया
(D) उपरोक्त सभी
52. हिन्दी वाक्यों का सही पदक्रम है :
- (A) कर्म, कर्ता, क्रिया
(B) क्रिया, कर्म, कर्ता
(C) क्रिया, कर्ता, कर्म
(D) कर्ता, कर्म, क्रिया
53. परीक्षा प्रविधि के कितने रूप होते हैं?
- (A) तीन
(B) दो
(C) चार
(D) एक
54. ‘मुकुल, सौरभ को पत्र लिखता है’ – सरल वाक्य का यह कौन सा प्रकार है?
- (A) एक कर्मक
(B) कर्तृपूरक
(C) द्विकर्मक
(D) कर्मपूरक
55. पठन कौशल में 8 से 10 वर्ष आयु वर्ग के बालकों में निम्नांकित में कौन-सी क्षमताएँ आ जानी चाहिए?
- (A) अर्थ ग्रहण करते हुए स्पष्ट पठन की क्षमता
(B) वाक्यों, परिच्छेदों का पूर्वापर सम्बन्ध स्थापित करते हुए सारांश ग्रहण करने की क्षमता
(C) परिच्छेद में आये हुए कथन का अर्थ ग्रहण करने की क्षमता
(D) उपरोक्त सभी

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PART - 3
GENERAL ENGLISH

Direction for Q. No. 56 to 63.

Read the passage and answer the questions given :

The object of economic development is the improvement of the level of crores of our countrymen. This means having a bigger and bigger supply of food, clothes, housing and such other things and greater facilities for medical care, education and cultural growth, that is, having more and more of what economists call consumer goods and services. Our aim, then must be to increase continually the production of consumer goods.

How can this be done ? To some extent by using traditional methods of production, such as weaving and handicrafts and by employing idle hands to the fullest possible extent. This would give employment to millions of our countrymen who are sitting idle for the whole or a good part of the day for lack of gainful work. But this can go only part of the way.

To increase production in a really big way, we must use machinery. For eighty or ninety years or more we have been manufacturing cloth in textile factories. Where did we get the machinery for this purpose ? We have been importing it from abroad. Why ? Because we did not have factories to produce machinery. This brings us to the heart of the problem.

Machinery is made of steel and other metals. The cost of such materials is small and is often only ten or fifteen percent of the price we pay to purchase the machinery from abroad. If we use our own steel and raw materials and make the machinery ourselves, we can have much more than what we can purchase from abroad. Obviously then, we must set-up factories to manufacture heavy electrical and other equipment.

56. "This brings us to the heart of the problem". Which is the problem mentioned in third paragraph ?

- (A) The problem of giving employment to millions of our countrymen.
- (B) The problem of not producing machinery locally in order to increase production in a big way.
- (C) The problem of increasing the production of consumer goods.
- (D) The problem of improving the level of living of crores of our countrymen.

57. How can the production of clothes be increased ?

- (A) By importing machines from abroad.
- (B) By buying materials from other countries.
- (C) By increasing the manpower.
- (D) By setting up factories to make machines ourselves.

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58. Choose the **correct** option for the change in voice of the following sentence.

We must setup factories to manufacture heavy electrical and other equipments.

- (A) Factories must be setup to manufacture heavy electrical and other equipments by us.
- (B) Factories are setup to manufacture heavy electrical and other equipments.
- (C) Setup factories to manufacture heavy electrical and other equipments.
- (D) To manufacture heavy electrical and other equipments, we must setup factories.

59. Identify the tense of the underlined word.

We have been importing it from abroad.

- (A) Present continuous tense
- (B) Present perfect tense
- (C) Present indefinite tense
- (D) Present perfect continuous tense

60. The phrase 'gainful work' in the second paragraph means work :

- (A) which adds to the profits of the workers.
- (B) which increases the employment of the workers.
- (C) which keeps the workers usefully busy.
- (D) connected with weaving and handicrafts.

61. The first paragraph of the extract is mainly about :

- (A) The means of making India a rich country.
- (B) The definition of consumer goods and services.
- (C) How to improve the standard of living of our countrymen through economic development.
- (D) The relationship between economic development and increase in the production of consumer goods.

62. Choose the **correct** option.

Antonym of 'purchase' :

- (A) Sell
- (B) Buy
- (C) Market
- (D) Retail

63. Choose the **correct** option.

Synonym of 'production' :

- (A) Manufacture
- (B) Destruction
- (C) Execution
- (D) Fulfillment

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Direction for Q. No. 64 to 70.

Read the passage and answer the questions based on it.

Mountaineering is now looked upon as the king of sports. But men have lived amongst the mountains since prehistoric times and in some parts of the world, as in the Andes and Himalayas, difficult mountain journeys have inevitably been part of their everyday life. While some of the modern mountaineers prefer difficult routes for the greater enjoyment of sport, the early climbers looked for the easiest ones, for the summit was the prize they all set their eyes on.

In the risky sport of mountaineering, the element of competition between either their individuals or teams is totally absent. Rather one can say that the competition is between the team and the peaks themselves. The individuals making up a party must climb together as a team, for they depend upon one another for their safety. Mountaineering can be dangerous unless reasonable precautions are taken. However, the majority of fatal accidents happen to parties which are inexperienced or not properly equipped. Since many accidents are caused due to bad weather, the safe climber is the man who knows when is the time to turn back, however, tempting it may be to press on and try to reach the summit.

64. Mountaineering can be dangerous unless reasonable precautions are taken.

Identify the part of speech of the word underlined.

- (A) Noun
(B) Adjective
(C) Conjunction
(D) Adverb

65. In the risky sport of mountaineering, the element of competition between either individuals or teams is totally absent.

Identify the part of speech of the underlined word.

- (A) Verb
(B) Adjective
(C) Noun
(D) Adverb

66. "..... the summit was the prize they all set their eyes on". In the context of the passage, this means :

- (A) reaching the top was their exclusive concern.
(B) they kept their eyes steadily on reaching the summit.
(C) they cared for nothing but the prize of reaching the summit.
(D) they chose a route from which they could see the summit clearly.

67. Mountaineers climb as a team because :

- (A) the height is too much for one individual.
(B) the competition is between the team and the peak.
(C) they have to rely on each other for safety.
(D) there is no competition among them.

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68. Mountaineering is different from other sports because :
- (A) it is risky and dangerous.
(B) it can be fatal.
(C) it is more thrilling and exciting.
(D) there is no competition between individuals.
69. Mountaineering is now looked upon as the king of sports. looked upon means :
- (A) considered
(B) ignored
(C) disregarded
(D) detested
70. Synonym of inevitably :
- (A) Necessarily
(B) Uncertain
(C) Unlikely
(D) Avoidable
71. The method of teaching in a large classroom should be chosen on the basis of :
- (A) the needs of the most brilliant learners.
(B) the needs of the slow learners.
(C) some common needs of the learners.
(D) the comfort of the teacher only.
72. While teaching a second language which words should be taught first ?
- (A) The most commonly used words.
(B) The most difficult words.
(C) The words easiest to spell.
(D) The words easiest to pronounce.
73. Listening and speaking are skills which should be practiced :
- (A) before learning to read and write.
(B) only after mastering the skill to read and write.
(C) only after developing good handwriting.
(D) only if it is included in the board examination.
74. The best way to learn a language is to :
- (A) learn its spelling system.
(B) practice communication in the language.
(C) practice good handwriting.
(D) learn the sounds in a language.

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75. While teaching a second language a teacher should use :
- (A) only the textbook.
 - (B) only multimedia.
 - (C) only charts and models.
 - (D) the most suitable resources.
76. While testing paragraph writing the teacher should ask the students to :
- (A) write their own thoughts.
 - (B) copy a paragraph from their textbook.
 - (C) write only what is dictated.
 - (D) write only what is learnt by heart.
77. If second language learners make language errors, it means :
- (A) they are learning to use the language.
 - (B) they cannot learn the language.
 - (C) they should first unlearn the first language.
 - (D) the second language should be changed.
78. One can learn speaking in the second language only after :
- (A) learning all the words in the language.
 - (B) learning all the grammar rules in the language.
 - (C) learning to write in the language.
 - (D) listening to the language.
79. Remedial teaching is done :
- (A) after taking a test.
 - (B) just before taking a test.
 - (C) just before admission in a new school.
 - (D) as a part of a test.
80. The role of grammar is important :
- (A) only for verbal communication.
 - (B) only for written communication.
 - (C) for both verbal and written communication.
 - (D) for neither verbal nor written communication.

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PART - 4
MATHEMATICS

81. The Mathematical games and puzzles help in :
- Developing a positive attitude towards mathematics.
 - Making connection between maths and everyday thinking.
 - Making mathematics enjoyable.
 - Promoting problem-solving skills.
- (A) (i), (ii), (iii) and (iv)
(B) (i) and (ii)
(C) (i) and (iv)
(D) (i), (ii) and (iii)
82. If $a_1, a_2, \dots, a_8$ are eight numbers whose average is 40, and average of numbers at even places is 25, then average of numbers at odd places is :
- (A) 220
(B) 320
(C) 55
(D) 100
83. Which of the following is **not** the total area of all surfaces of cube of side 1 meter ?
- (A) $6 \times 10^{-6} \text{ km}^2$
(B) $6 \times 10^4 \text{ cm}^2$
(C) $6 \times 10^6 \text{ mm}^2$
(D) $6 \times 10^{-4} \text{ dec.m}^2$
84. If P = principal, R = rate of interest per annum, T = time in years, A = amount and I = simple interest, then which of the following is **not** correct ?
- (A) $\frac{PRT}{I} = 100$
(B) $T = \frac{100 I}{PR}$
(C) $P + I = A$
(D) $T = \frac{R}{100 I}$
85. If 5 men and 3 women together can earn ₹ 31,800 in 6 days, and 6 men and 10 women together can earn ₹ 77,000 in 11 days, then in how many days 5 men and 7 women can earn ₹ 74,100 ?
- (A) 13 days
(B) 11 days
(C) 17 days
(D) 21 days
86. A teacher asks her students to write 4 ones and 3 tens. Some students wrote it as 43 instead of 34. As a teacher how will you help the students in understanding the concept ?
- (A) Give a lot of questions to practice in column method.
(B) Ask the students to represent on abacus and then write.
(C) Tell them it is wrong and ask them to write correct answer 5 times.
(D) Always teach by column method of tens and ones to avoid confusion.

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87. A child mentally calculated $27 + 38$ as 65. When he was asked to explain his method of addition, he responded that 38 is near to 40 so $27 + 40$ is 67, then I subtracted 2 to get 65. This strategy of addition is :
- (A) Direct Modelling
(B) Regrouping
(C) Incrementing
(D) All of the above
88. Some students of class II, face difficulty in the addition of two digit numbers involving 'carrying over'. Reason behind this problem is lack of :
- (A) Understanding of difference between face value and place value.
(B) Understanding the importance of zero.
(C) Understanding of regrouping process.
(D) Interest in Mathematics.
89. At the primary level, use of Tangram (Chinese Puzzle), dot games, patterns etc. helps the student to :
- (A) Enhance spatial understanding ability.
(B) Develop sense of comparing numbers.
(C) Strengthen calculation skills.
(D) Understand basic operations.
90. What is the difference of place value and face value of 4 in the number 536478 ?
- (A) 360
(B) 396
(C) 440
(D) 404
91. Volume of a solid box of length 2 meter, breadth 50 cm and height 100 millimeter is :
- (A) 10^5 cm^3
(B) 10^4 cm^3
(C) 10^5 m^3
(D) 10^5 mm^3
92. A Mathematics teacher, assigns a lot of survey-based projects to mathematics classrooms. The purpose of such activity is :
- (i) to promote problem-solving skills.
(ii) to give an opportunity to students to collect authenticated data.
(iii) to break the monotony of class.
(iv) to use it as an alternate assessment.
- Which of the above purposes are true ?
- (A) (i), (ii) and (iii)
(B) (i) and (ii)
(C) (i) and (iii)
(D) (i), (ii) and (iv)
93. If 1st May 2019 was Wednesday, then what was the day on 12th May 2016 ?
- (A) Wednesday
(B) Sunday
(C) Thursday
(D) Friday
94. If $3 - 2x^2 - 5 + 52 = 0$, then $x =$
- (A) ± 5
(B) ± 1
(C) 0
(D) 5

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95. If $0.0b\%$ of $a = c$, then what % of c is a ?
- (A) b
- (B) $\frac{10^6}{b}$
- (C) $\frac{b}{10^4}$
- (D) None of these
96. $\sqrt{625.0025} =$
- (A) 25.005
- (B) 25.05
- (C) 25.0005
- (D) 25.00005
97. A given rectangle and a parallelogram have the same area. However, many students respond that the parallelogram has a larger area. How can a teacher help the students to understand that their areas are the same ?
- (A) Using scale
- (B) Using a geoboard
- (C) Using a graph paper
- (D) Using paper folding
98. If $x : 3 :: 4 : 5$, then $x =$
- (A) 12
- (B) $\frac{12}{5}$
- (C) $\frac{5}{12}$
- (D) None of these
99. Evaluation should be done in teaching of Mathematics :
- (A) At the time of providing learning experiences.
- (B) At the time of clarification of learning objectives.
- (C) After the clarification of learning objectives and providing the learning experiences.
- (D) All of the above.
100. If following fractions are arranged in ascending order, then the third fraction from the end is :
- $3\frac{2}{5}, 5\frac{2}{3}, 2\frac{3}{5}, 3\frac{5}{2}, 5\frac{3}{2}, 2\frac{5}{3}$
- (A) $5\frac{2}{3}$
- (B) $3\frac{5}{2}$
- (C) $3\frac{2}{5}$
- (D) None of these
101. The method based upon real thinking, experiments and inspection is :
- (A) Analysis
- (B) Synthesis
- (C) Heuristic
- (D) Laboratory
102. The place value of 'Zero' in 2375.09 is :
- (A) Hundred
- (B) Tens
- (C) Units
- (D) Tenths

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103. Appropriate method for the establishment of the formulae in Maths is :

- (A) Synthesis Method
- (B) Heuristic Method
- (C) Deduction Method
- (D) Induction Method

104. How many positive integers are there whose sum is 100 and HCF is 3 ?

- (A) 25
- (B) 0
- (C) 3
- (D) None of these

105. Which of the following is **not** a contributing factor responsible for mathematics anxiety ?

- (A) Nature of subject
- (B) Gender
- (C) Examination system
- (D) Curriculum

106. If a man travels a certain distance with the speed of x km/hour and the same distance with the speed of y m/second, then the average speed of whole journey is :

- (A) $\frac{2xy}{x+y}$ m/second
- (B) $\frac{5xy}{9(1000x+y)}$ m/second
- (C) $\frac{5xy}{9(x+y)}$ m/hour
- (D) None of these

107. If L = loss, l = loss %, P = profit, Pr = profit %, C = cost price and SP = selling price, then which of the following is **not** correct ?

- (A) $L = \frac{l \times 100}{Pr \times C}$
- (B) $Pr = \frac{P \times 100}{C}$
- (C) $SP = C + P$ or $SP = C - L$
- (D) $L \times 100 = C \times l$

108. Length of diagonal of a cube is $10\sqrt{3}$ cm. Then its volume is :

- (A) 1000 m^3
- (B) 0.01 m^3
- (C) 0.001 m^3
- (D) None of these

109. The difference between the place value of 5 in 27503 and the face value of 7 in 42073 is :

- (A) 430
- (B) 43
- (C) 2
- (D) 493

110. A teacher of class I asks a student to count the total number of objects in a collection of pens, erasers and sharpeners. The student puts all the objects in a line and starts counting. He says that there are 2 pens, 5 erasers and 3 sharpeners instead of 10 objects. In which principle/principles of counting do you think that the student is facing difficulty ?

- (A) Stable order and abstraction principles
- (B) One to one correspondence principle
- (C) Abstraction principle
- (D) Abstraction and order irrelevance principles

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PART - 5
ENVIRONMENTAL STUDIES

111. What causes the seasons during the year ?
 (A) Moon and tides
 (B) Sun and its orbit
 (C) Tilting of the Earth's axis
 (D) Distance between the Earth and the Sun
112. A good assignment in EVS should primarily aim at :
 (A) Revise the lesson for effective learning
 (B) Ensure better utilization of time
 (C) Keep the students engaged and disciplined
 (D) Provide extended learning opportunities
113. Example of primary consumer is :
 (A) Herbivores
 (B) Carnivores
 (C) Omnivores
 (D) All of the above
114. Standard unit of time measurement according to SI system is :
 (A) Second
 (B) Minute
 (C) Hour
 (D) Day
115. Anjali's friend suggested the following four ways to avoid tooth decay :
 (a) Brush your teeth twice a day
 (b) Wear braces to avoid enamel decay
 (c) Avoid sweets, chocolates and carbonated drinks
 (d) Rinse mouth after every meal
 Which of the above should Anjali follow ?
 (A) (a) and (c)
 (B) (b), (c) and (d)
 (C) (c), (d) and (a)
 (D) (d), (a) and (b)
116. Community is an important teaching and learning resource because :
 (A) Elderly people are wise and have time.
 (B) It provides learning community in real setting.
 (C) One can accept all knowledge available in the community uncritically.
 (D) It is inexpensive and accessible.
117. Marriage is a sacrament amongst :
 (A) Hindus
 (B) Muslims
 (C) Christians
 (D) Both (A) and (C)

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118. Teacher wants his students to be sensitised for conservation of trees which one of the following is the most suitable strategy to do so ?

- (A) Group discussion
- (B) Poster making
- (C) Helping children to adopt and nurture a plant
- (D) Conducting a debate in classroom

119. Ecosystem is smallest unit of :

- (A) Ionosphere
- (B) Lithosphere
- (C) Biosphere
- (D) Mesosphere

120. Which of the following is/are activity/activities in EVS classroom ?

- (A) Picture reading
- (B) Field visit
- (C) Use of blackboard
- (D) All the above

121. Which one of the following is **not** an objective of including poems and stories in EVS text-books ?

- (A) To develop interest in the subject
- (B) To have a change in routine and monotonous content
- (C) To provide fun and enjoyment for learners
- (D) To promote imaginative and creative ability in the learners

122. As an EVS teacher, the major objective of organizing a field trip to a Zoo should be :

- (A) To provide fun and enjoyment to students.
- (B) To have a change in monotony of routine teaching schedule.
- (C) To provide active learning experience to students.
- (D) To satisfy parents on quality education.

123. Rina stays in Delhi. She wants to visit her aunt in Gwalior. In which direction should she travel ?

- (A) East
- (B) West
- (C) South
- (D) North

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124. Which one of the following will be effective for transacting the concept in class 5 ?
"Some material float and others sink in water".
(A) Through observation and discussion
(B) Through observation, experimentation and inferencing
(C) Through survey
(D) Through observation
125. Select from the following a group of diseases caused by mosquitoes :
(A) Malaria, Dengue, Cholera
(B) Malaria, Chikengunia, Typhoid
(C) Dengue, Malaria, Chickengunia
(D) Malaria, Cholera, Typhoid
126. Environmental studies curriculum may lead to holistic learning of children if it is :
(A) Integrated
(B) Inclusive
(C) Thematic
(D) All of the above
127. Which of the following tools will be appropriate for assessing social-personal qualities of children engaged in learning EVS through group work ?
(A) Paper - pencil test
(B) Oral questions
(C) Rating scales
(D) Assignments
128. The section on "Do this and find out" included in different topics in EVS text-book aims at :
(A) Providing direct hands-on experiences
(B) Improving performance in examination
(C) Learning definitions of scientific terms
(D) Keeping the students engaged at home
129. No child below the age of _____ shall be employed to work in any factory.
(A) 14
(B) 15
(C) 16
(D) 18
130. Which of the following is derived from the hemp plant ?
(A) Opium
(B) Marijuana
(C) Methaadone
(D) Heroin

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PART - 6
COMPUTER RELATED GENERAL
KNOWLEDGE

131. In what year was google launched as a search engine ?
(A) 1998
(B) 1995
(C) 1997
(D) 1999
132. Any computer regardless of its type is controlled by :
(A) User
(B) Programmed Instructions
(C) Booting
(D) Hardware
133. Which storage type is used in the modern digital cameras, mobile phones, MP3 players etc. ?
(A) Pendrive
(B) Flash Memory Card
(C) Optical drive
(D) Floppy drive
134. What is "Trend Micro" ?
(A) It is anti-virus program
(B) It is just a program
(C) It is virus program
(D) None of the above
135. A combination of an encryption algorithm and a decryption algorithm is called a :
(A) Plain text
(B) Cipher
(C) Original text
(D) Shift cipher
136. The communication protocol used by Internet is :
(A) HTTP
(B) WWW
(C) TCP/IP
(D) FTP
137. Which part of the computer is the brain of the computer ?
(A) ALU
(B) Keyboard
(C) CPU
(D) Monitor
138. Which is single user operating system ?
(A) MS-DOS
(B) UNIX
(C) XENIX
(D) LINUX
139. Word processor can be used to :
(A) Write text
(B) Edit text
(C) Print text
(D) All of these
140. Type of printer in which characters or letters are formed without the use of any mechanical impact is termed as :
(A) Page printers
(B) Line printers
(C) Impact printer
(D) Non-impact printer

SPACE FOR ROUGH WORK / रफ कार्य के लिये जगह

PART - 7
GENERAL KNOWLEDGE

141. When did Shivaji declared himself an independent ruler ?
(A) 1665 AD
(B) 1674 AD
(C) 1656 AD
(D) 1680 AD
142. Which of the following Constitution amendment provides the Local Self Government Constitutional Status ?
(A) 53rd and 54th
(B) 63rd and 64th
(C) 73rd and 74th
(D) 77th
143. Himalayan mountain originated due to sediment deposits in which of the following oceans ?
(A) Arabian sea
(B) Tithies sea
(C) Pacific ocean
(D) Indian ocean
144. Which of the following reasons control the climate ?
(a) Height of surface
(b) Distance from sea
(c) Longitudinal position
(d) Atmospheric pressure
Choose the **correct** option :
(A) (a), (b), (c), (d)
(B) (a), (b), (c)
(C) (b), (d)
(D) (b), (c), (d)
145. In which Five Year Plan was the Industrial Liberalization to new policy was adopted ?
(A) 6th
(B) 7th
(C) 8th
(D) 5th
146. To which tribe of this State Dashahara dance belong ?
(A) Baiga
(B) Pardhan
(C) Bhatara
(D) Halba
147. Vir Hanuman Singh award of this state is given for the special performance under which category ?
(A) Police department
(B) Sports
(C) Fire Extinguish
(D) Commando
148. Which of the following education institute was established by Nationalists during non-cooperation movement ?
(A) Zamiya Miliya
(B) Nalanda Education Center
(C) Hindustani Education Center
(D) Delhi University
149. Which of the following crops can **not** be produced in more humidity and high temperature ?
(A) Paddy
(B) Masur
(C) Maize
(D) Soyabean
150. When was the film 'Raja Harishchandra' released ?
(A) 1913
(B) 1943
(C) 1917
(D) 1923

- o O o -

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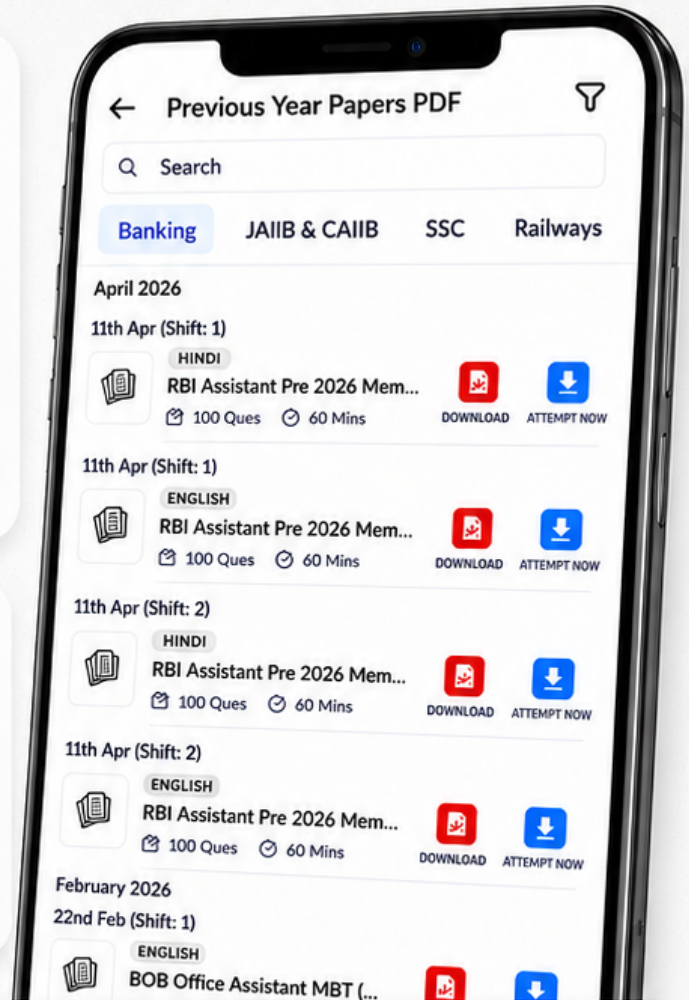
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SET - A

उत्तर अंकित करने का समय : 3 घंटे
Time for marking answers : 3 Hours

अधिकतम अंक : 150
Maximum Marks : 150

नोट :

1. इस प्रश्न-पुस्तिका में निम्न भाग होंगे :

- | | |
|------------------------------------|--------|
| (1) बाल विकास एवं शिक्षा शास्त्र | 30 अंक |
| (2) सामान्य हिन्दी | 25 अंक |
| (3) सामान्य अंग्रेजी | 25 अंक |
| (4) गणित | 30 अंक |
| (5) पर्यावरण अध्ययन | 20 अंक |
| (6) कम्प्यूटर संबंधी सामान्य ज्ञान | 10 अंक |
| (7) सामान्य ज्ञान | 10 अंक |

प्रत्येक प्रश्न 1 अंक का है। सभी प्रश्न करने अनिवार्य हैं।

2. प्रश्नों के उत्तर, दी गई OMR उत्तर-शीट (आंसरशीट) पर अंकित कीजिए।

3. गलत उत्तर अंकित करने पर 1/4 अंक काटे जायेंगे।

4. किसी भी तरह के कैलकुलेटर या लॉग टेबल एवं मोबाइल फोन का प्रयोग वर्जित है।

5. OMR उत्तर-शीट (आंसरशीट) का प्रयोग करते समय ऐसी कोई असावधानी न करें/बरतें जिससे यह फट जाये या उसमें मोड़ या सिलवट आदि पड़ जाये जिसके फलस्वरूप वह खराब हो जाये।

Note :

1. This Question Booklet consists of Parts namely :

- | | |
|--|----------|
| (1) Child Development and Pedagogy | 30 Marks |
| (2) General Hindi | 25 Marks |
| (3) General English | 25 Marks |
| (4) Mathematics | 30 Marks |
| (5) Environmental Studies | 20 Marks |
| (6) Computer Related General Knowledge | 10 Marks |
| (7) General Knowledge | 10 Marks |

Each question carries 1 mark. All questions are compulsory.

2. Indicate your answers on the OMR Answer-Sheet provided.

3. 1/4 mark will be deducted for each wrong Answer.

4. Use of any type of calculator or log table and mobile phone is prohibited.

5. While using OMR Answer-Sheet care should be taken so that the OMR Answer-Sheet does not get torn or spoiled due to folds and wrinkles.