FIRST SESSION
प्रथम पार्टी
2018

Q.B. No. 3576853

Question booklet series
प्रश्न-पुस्तिका सीरीज

Max. Marks : 150

महत्वपूर्ण अनुशंसा

1. सभी प्रश्न के उत्तर देने के लिए विद्यार्थी सभी प्रश्न-पुस्तिका के लिए दिए गए उत्तरों का उपयोग करें।
2. OMR उत्तर-पत्र पर लिखें। सभी प्रश्न-पुस्तिका के संबंधी उत्तर लिखें।
3. प्रश्न-पुस्तिका में 150 प्रश्न हैं। प्रत्येक प्रश्न के जवाब का उत्तर लिखें।
4. प्रश्न-पुस्तिका में कुल पांच भाग हैं। प्रत्येक भाग का उत्तर दें।
5. सभी प्रश्न-पुस्तिका में निम्न भाग हैं:
6. रोल नं. के लिए उत्तर लिखें। सभी प्रश्न-पुस्तिका के लिए दिए गए उत्तरों का उपयोग करें।
7. प्रश्न-पुस्तिका में 20 प्रश्न हैं। प्रत्येक प्रश्न का जवाब दें।
8. OMR उत्तर-पत्र में विद्यार्थी सभी प्रश्न-पुस्तिका की संख्या के अनुसार उत्तर लिखें।
9. अन्य प्रश्न-पुस्तिका की संख्या के अनुसार उत्तर लिखें।

अतिरिक्त समय : 2:30 प्रति हंगो और Max. Marks : 150

Do not open the booklet until you are told to do so.
प्रश्नों के अनुसार उसके लिए गेम को बाल-बालिंट देने का इतिहास करें।

To mark answer use black/blue ballpoint pen only.
अप्रत्यावर्ती उत्तर-पत्र पर उत्तर देने से पहले सभी अनुदेशों का साधारण उत्तर पत्र पर लिखें।

Candidate must read all the instructions carefully before writing the answers.
आपको अपने प्रश्नों के उत्तर देने से पहले सभी अनुदेशों का साधारण उत्तर पत्र पर लिखें।

You have to mark your answer on OMR Answer Sheet only. After the examination is over,
प्रश्नों के उत्तर देने से पहले सभी प्रश्न-पुस्तिका को लें।

Hand over the Answer Sheet to the Invigilator.
प्रश्नों के उत्तर देने से पहले सभी प्रश्न-पुस्तिका को लें।

IMPORTANT INSTRUCTIONS

1. Answer all questions. All questions carry equal marks.
2. The candidate should indicate his Category, Registration No., Roll No., Question Booklet Series at the space provided on OMR Answer Sheet.
3. This Question Booklet contains 150 questions. Each question has four alternative answers. The candidate has to darken only one circle/bubble on the answer sheet using black/blue ballpoint pen indicating the correct answer as shown below:

   Example : (1) (2) (3), where (3) is the correct answer.
4. This Question Booklet contains Five Parts. Each question carries 1 mark. Attempt all the questions selecting any one language from Language-II in Part-III. All questions are multiple-choice types.
5. This Question Booklet consists of the following Parts:
   Part-I : Child Development and Teaching Method
   Q. Nos. 1-30
   Part-II : Language-I : Hindi
   Q. Nos. 31-60
   Part-III : Language-II : English OR Urdu
   Q. Nos. 61-90 OR Q. Nos. 61-90
   Part-IV : Mathematics OR Sanskrit
   Q. Nos. 91-120
   Part-V : Environmental Studies OR Sanskrit
   Q. Nos. 121-150
6. Do not write anything on the cover page and inside the question booklet except the spaces provided for Roll No.
7. If you happen to find that the question booklet issued to you does not have all the pages properly printed or it has any other deficiency, then you need to approach the invigilator to get another question booklet of same series and code.
8. The number of questions attempted must be written in words and figures in the specified place on the OMR sheet.
9. In case of any ambiguity in Hindi version, English version shall be considered authentic.

(Read the OMR instructions on the last page of this booklet.)

(स्थिर के तालिका के लिए दिया गया है)
1. Which is the correct sequence of cognitive domain?
   (1) Evaluation–Application–Analysis–Synthesis–Comprehension–Knowledge
   (2) Evaluation–Synthesis–Analysis–Application–Comprehension–Knowledge
   (3) Knowledge–Application–Comprehension–Analysis–Synthesis–Evaluation
   (4) Knowledge–Comprehension–Application–Analysis–Synthesis–Evaluation

2. Which of the following is not a quality of good teaching?
   (1) Democratic
   (2) Sympathetic
   (3) Autocratic
   (4) Desirable information provider

3. Expectancy theory of motivation has been given by
   (1) Maslow
   (2) Herzberg
   (3) Victor Vroom
   (4) Skinner

4. To which family advance organizer model is related with?
   (1) Social interaction
   (2) Information processing
   (3) Personal
   (4) Behaviour modification

5. Which is useful in the transformation of skills?
   (1) Linear programme
   (2) Branching programme
   (3) Skills transformation is a journey, not a destination
   (4) Preparation and acquisition
6. Which one is not the maxim of teaching from the following?
(1) From indefinite to definite
(2) From seen to unseen
(3) From simple to complex
(4) From deduction to induction

7. First step of microteaching cycle is
(1) teaching (2) planning
(3) feedback (4) introduction

8. Which of the following is included in the teaching of understanding level?
(1) Application (2) Comparison
(3) Abstraction (4) Exploration

9. For educational reforms effective decentralization is possible by
A. greater involvement of cluster and block resource centres
B. availability of local resource person
C. resource and reference material for the use of teachers

Choose the correct answer:
(1) A and B
(2) B and C
(3) A and C
(4) A, B and C

10. A student is reading, someone called him by name. By which sensation he will respond from the following?
(1) Tactial sensation
(2) Auditory sensation
(3) Visual sensation
(4) Perceptual sensation

11. What is the age of preoperational stage in Piaget theory?
(1) Birth to two years
(2) Two to seven years
(3) Four to eight years
(4) Five to eight years
12. Which of the following is not the characteristic of intellectual development of later childhood?
(1) High interest in science fiction
(2) Increased logical power
(3) Operational planning of career
(4) End of imaginary fears

13. Which of the following psychologists is associated with 'language development'?
(1) Binet
(2) Chomsky
(3) Pavlov
(4) Maslow

14. Thorndike proved his theory titled
(1) trial and error learning
(2) sign learning
(3) cognitive learning
(4) space learning

15. Gang age associated with age and delayed development is
(1) 3–6 years and language
(2) 8–10 years and socialization
(3) 16–19 years and morality
(4) 16–19 years and cognitive

16. Which of the following is the third stage of cognitive development according to Piaget?
(1) Pre-operational stage
(2) Concrete operational stage
(3) Formal operational stage
(4) Sensory motor stage

17. Which is not included in psychological factors that contribute in learning from the following?
(1) Motivation
(2) Interest
(3) Learning desire
(4) Nature of content

18. Which of the following is a social value?
(1) Primary goal
(2) Instinct
(3) Altruism
(4) Aggression need
19. Backward exploration and means-end analysis are examples of which of the following?
   (1) Algorithms
   (2) Mental sets
   (3) Heuristics
   (4) Functional fixedness

20. “Curves of learning give graphic representation of the amount, rate and limit of improvement brought about by practice.” Who said it?
   (1) Ross
   (2) Ebbinghaus
   (3) Skinner
   (4) M. L. Bigge

21. Which one is not included in Thorndike’s primary laws of learning from the following?
   (1) Law of exercise
   (2) Law of effect
   (3) Law of associative shifting
   (4) Law of readiness

22. Conditioned response theory lays emphasis on conditioning of
   (1) behaviour
   (2) thinking
   (3) reasoning
   (4) motivation

23. The other name of operant conditioning is
   (1) instrumental conditioning
   (2) classical conditioning
   (3) contiguous conditioning
   (4) trace conditioning

24. Which of the following is not a characteristic of learning?
   (1) Learning is a relatively permanent change in behaviour
   (2) Learning is a growth of organism
   (3) Learning is directly observed
   (4) Learning is a goal-directed process
25. Kohler wanted to prove that learning is
(1) an autonomous random activity
(2) cognitive operation
(3) a situation in which individuals are superior to animals
(4) the perception of different parts of the situation

26. From where to start in order to learn any new language?
(1) Formation of sentences
(2) Formation of words
(3) Association between letters and words
(4) None of the above

27. Which type(s) of students is/are included in inclusive class?
(1) General and specific students
(2) Only general students
(3) Only specific students
(4) Multilingual and gifted students

28. From the following, which term defines the mathematics-related learning disability?
(1) Dyslexia
(2) Dyscalculia
(3) Dystopia
(4) None of the above

29. Successful inclusion needs
(1) no involvement of parents
(2) segregation
(3) lack of capacity building
(4) sensitization

30. Which of the following is not the element of emotion?
(1) Physical
(2) Cognitive
(3) Behavioural
(4) Sensory
भाषा—I / हिंदी / Language—I : HINDI

36. यह पुस्तक किसकी है? में रेखांकित शब्द का पद-परिचय दीजिए:

- सार्वनामिक विशेषण (पुस्तक विशेषण), एकवचन, सीलिंग
- सर्वनाम, एकवचन, सीलिंग
- गुणवाचक विशेषण (पुस्तक विशेषण), एकवचन
- सम्बोधन अव्यय

37. ‘विशेषण’ शब्द का विलोम होगा:

- विचारन / संशोधन
- व्याख्या
- विभाजित

38. जिसका उच्चारण ऊपर के शब्दों पर जीवन लगाये से होता है, उसे क्या कहते हैं?

- कंटेंप
- दत्त
- मूर्ति
- अनुसारिक

39. निम्नलिखित में से ‘ऊँचा व्यंजन’ कौन-से हैं?

- श-स
- अ-ब-स
- च-छ-ज
- य-र-ल

40. ‘अत्यधिक’ का विलोम क्या है?

- अत्यधिक
- अधिक
- अधिकतम
- अधिकतम
41. ‘उन्नत’ का विलोम क्या है?
(1) अमृत
(2) वक्र
(3) विक्रीय
(4) अमृतय

42. ‘संक्षिप्त’ शब्द में उपसर्ग बताएँ : 
(1) सम्
(2) सक्
(3) सत्
(4) सात

43. मुझे खड़ा भी हुआ नहीं जाता। इस वाक्य का वाच्य होगा :
(1) भाववाच्य
(2) कर्मवाच्य
(3) कर्तृवाच्य
(4) अन्य

44. तद्भव और उसके तत्सम का कौन-सा मेल गलत है?
(1) लीग—लिंग
(2) आ०त—अत्र
(3) लुप्त—लावण्यता
(4) आयुसु—आदेश

45. लेखक और उसकी रचना का कौन-सा जोड़ा गलत है?
(1) संस्कृति के चार अंधाय—रामधरी सिंह ‘दिनकर’
(2) पसंद—रंजन—आचार्य महाराणे प्रसाद द्विवेदी
(3) स्कन्दपुरा—लक्ष्मीमातायाय मिथ्र
(4) अयोक्त के पूल—आचार्य हजारी प्रसाद द्विवेदी

46. कवि और उसकी रचना का कौन-सा जोड़ा सही नहीं है?
(1) शिवराज भूपण—भूपण
(2) शब्द रसायन—देव
(3) परिमल—सर्वदकात ग्रामीण ‘निरंतर’
(4) उदय शतक—भारतेन्दु हरिश्चandra

47. लेखक और उसकी कृति के युग में कौन-सा हुआ गलत है?
(1) बोला से गंगा—राहुल सांकृत्याय
(2) रूपज का सातवाण घोड़ा—धर्मचारी भाकमल
(3) आयम का आदि देश—दृष्टि सम्पूर्णांद
(4) दर्शन दिव्याशी—रामचंद्र शुक्ल

48. विराम-चिह की दृष्टि से कौन-सा वाक्य अत्यंत है?
(1) बह इमानदार, परिश्रमी, कर्मठ और मुझमार है।
(2) उसके पास धन-बैभव, नीकर-चाकर आदि सभी कुछ था।
(3) हों में यही विचार है।
(4) आप हमारे घर आना चाहते हैं, तो आइए, वहाँ चाहते हैं, तो ठहरें।

49. कौन-सा शब्द भिन्न अर्थ और प्रकृति का है?
(1) चिरंजन
(2) शाक्ति
(3) सनातन
(4) अधुनातन

50. ‘अवस्थित’ शब्द का विलोम होगा :
(1) प्राचीन
(2) अवधन
(3) अधुनातन
(4) सनातन
51. आकर्षण की दृष्टि से कौन-सा शब्द अभूतपूर्व है?
(1) विद्रोही
(2) गृहधिनी
(3) विविधण
(4) जलदर्श

52. निम्न में से कौन-सा शब्द गलत है?
(1) लुढ़िथा इकठ्ठा—सारा काम चौपट होना
(2) समज बाग दिखलाना—हय-भय करना
(3) मुश्किलाम भरना—रिश्वद्ध देना
(4) माई का लाल—साहसी व्यक्ति

53. नमो भव बाधा हरी, राधा नागरि सोय।
जात की बोलिये परे, स्थायी हरित दुःख होय।
उपवन्दे दोहे में कौन-सा अलंकार है?
(1) अभूतपूर्व
(2) अभूत
(3) रमाय
(4) रूपक

54. ‘बौंसला’ में कौन-सा समास है?
(1) तत्पुष्ट
(2) दंड
(3) बहुस्त्री
(4) हिंगु

55. ‘देवभक्ति’ में कौन-सा समास है?
(1) दंड
(2) कर्मधाराय
(3) तत्पुष्ट
(4) हिंगु

56. ‘प्रागुतिहनिक’ में किस उपसर्ग का प्रयोग है?
(1) प्राक्र
(2) प्रांगन
(3) प्रा
(4) प्राभत

57. ‘बुलंदीदास’ किसकी कविता है?
(1) मुक्तिनाथ
(2) अद्वित
(3) हरिवंशराय बच्चन
(4) सूर्यकांत तिपाती ‘निराला’

58. ‘बहिष्कार’ का संधि-विच्छेद क्या है?
(1) बहिष्कार + बहार
(2) बहिष्कार + अकार
(3) बहिष्कार + कार
(4) बहिष्कार + कार

59. ‘बैद्यत-वनवास’ किसकी रचना है?
(1) अयोध्या सिंह उपाध्याय ‘हरिभूषण’
(2) रामधारी सिंह ‘दिनकर’
(3) वैधितिष्ठार ‘गुप्त’
(4) श्रीभद्र पाटलक

60. निम्न में से पुड़गा शब्द का उच्चार कीजिए:
(1) पुड़िता
(2) पुड़वाणि
(3) पुड़वाणि
(4) पुड़िता
Yesterday, two brave children of Gangapur were awarded Brave Hearts Award. They have exhibited a great spirit of selflessness and courage. Harsh, a twelve-year-old boy, saved a little girl from drowning in the river that flows along his village. Garima has been awarded for her presence of mind.

61. Which kind of noun is Gangapur?

(1) Common noun
(2) Collective noun
(3) Material noun
(4) Proper noun

62. Which part of speech is the word 'brave'?

(1) Noun
(2) Pronoun
(3) Adjective
(4) Preposition

63. Which of the following words is a material noun?

(1) Cow
(2) Gold
(3) Air
(4) Class

64. Which of the following words is an abstract noun?

(1) Connection
(2) Boy
(3) Woman
(4) Plough

65. Which kind of noun is 'adversity'?

(1) Common noun
(2) Proper noun
(3) Abstract noun
(4) Collective noun
66. Which part of speech is the word ‘hard’ in the sentence ‘He is working hard’?
(1) Adverb  (2) Conjunction  (3) Preposition  (4) Noun

67. Which of the following sentences has a ‘conjunction’?
(1) She is awfully busy.
(2) I am nobody for you.
(3) She is poor but she is by nature hospitable.
(4) My grandfather is not well.

68. Point out the sentence which is in present perfect tense.
(1) I shall go to Jaunpur tomorrow.
(2) She is very intelligent.
(3) Your sister visited us yesterday.
(4) I have finished my work.

69. Which of the following is a misspelt word?
(1) Desiccation  (2) Descendant  (3) Derogatary  (4) Dermatitis

70. Which of the following sentences has a transitive verb?
(1) She walks in the morning daily.
(2) He is running very fast.
(3) She writes well.
(4) I killed a snake last night.

71. Which of the following sentences is negative?
(1) I come from a rich family.
(2) You can do all this in no time.
(3) He does not listen to me.
(4) They are very gentle people.

72. Which of the following sentences is exclamatory?
(1) What a piece of work is man.
(2) What do you know about ancient India.
(3) Which is your favourite book.
(4) His cruelty knew no bounds.

73. Point out the complex sentence.
(1) They are very wise people.
(2) You know me well.
(3) She does not sing.
(4) One who does not love one’s country is a wretched person.
74. Which of the following words is 'plural'?

(1) Dog
(2) Fox
(3) Goat
(4) Mice

75. Which of the following words is regarded as singular?

(1) Dogs
(2) Mathematics
(3) Cats
(4) Cars

76. Which of the following sentences is in active voice?

(1) He was asked to keep quiet.
(2) A house was bought for fifty lacs.
(3) I requested him to come in time.
(4) He was hit badly.

77. Which of the following sentences is in passive voice?

(1) Please mind your business.
(2) I kept quiet throughout the meeting.
(3) He was assisted by a group of students.
(4) They came late and lost the match.

78. "That is the man the police was seeking."

In the above sentence, what is the status of the two the's?

(1) Verb
(2) Noun
(3) Conjunction
(4) Definite article

79. "These students are most disobedient."

In the above sentence, point out the gender of the word 'students'.

(1) Feminine gender
(2) Common gender
(3) Masculine gender
(4) None of the above

80. In the sentence 'He was going along the road', point out the tense.

(1) Present perfect
(2) Past perfect
(3) Past continuous
(4) Future indefinite

81. Language learning starts from

(1) writing
(2) reading
(3) listening
(4) speaking
82. What is the main purpose of poetry recitation in a language classroom?
(1) To know the historical background of the poem
(2) To enjoy and appreciate the poem
(3) To give their opinions about poem
(4) To become aware of the poet and his/her work

83. Fill in the blanks with the correct article:
Yesterday I saw ____ European riding on ____ elephant.
(1) the, the
(2) a, an
(3) a, a
(4) a, the

84. Choose the correct sentence:
(1) Please describe about the story.
(2) Please describe the story.
(3) Please describe of the story.
(4) Please describe to the story.

85. Fill in the blank with correct preposition:
A prisoner was accused ____ murder.
(1) of
(2) for
(3) to
(4) off

86. The antonym of 'innocent' is
(1) clever
(2) ignorant
(3) active
(4) guilty

87. The synonym of 'significant' is
(1) prominent
(2) magnificent
(3) efficient
(4) important

88. Which one of the following words can be made plural by adding a suffix 'en'?
(1) Box
(2) Tax
(3) Max
(4) Ox

89. Choose the correct pronoun to complete the following sentence:
This dress is ____ and that one is mine.
(1) our book
(2) yours
(3) your
(4) your book

90. Change the following sentence into passive voice:
Have the girls asked this question?
(1) This question have asked by girls.
(2) Has this question been asked by the girls?
(3) Has this question asked by the girls?
(4) Have this question asked by the girls?
<table>
<thead>
<tr>
<th>پروپوزال کی تعلیم ہے؟</th>
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| اورس | پنیا | |

| صورت 62 | افکار کی تعلیم ہے؟ |
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| اورس | پنیا | |
65. { فی حیث بہی— 
   (1) میں پوچھتا  
   (2) شعرون  
   (3) پچا  
   (4) شفیعہ  

66. "شیخ اوشیدا کس کا قلم ہے؟  
   (1) جنگ  
   (2) قائل  
   (3) پیغمبر  
   (4) تھیر  

67. تلقی کے سمتی ہو—  
   (1) فرط  
   (2) ضیافت  
   (3) رین کے لوگ  
   (4) والدین  

68. وہ قلم جس میں اور قلم کی تعریف بیان کی جاتی ہے،  
   اس کے سمتی ہو—  
   (1) نعت  
   (2) زیادہ  
   (3) مبینہ  
   (4) انتخبہ  

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Paper-1/A
86. اس تصویر سے کہا ہے؟
(1) ذو الفقار
(2) ذیل
(3) اثناء
(4) ذیل

87. کہا ہے?
(1) ذو الفقار
(2) ذیل
(3) اثناء
(4) ذیل

88. کہا ہے?
(1) ذو الفقار
(2) ذیل
(3) اثناء
(4) ذیل

89. کہا ہے?
(1) ذو الفقار
(2) ذیل
(3) اثناء
(4) ذیل

90. کہا ہے?
(1) ذو الفقار
(2) ذیل
(3) اثناء
(4) ذیل
भाग—III / PART—III
भाषा—II : संस्कृत / Language—II : SANSKRIT

61. ‘वोधि’ पदे के संधि?
   (1) अप्राप्ति
   (2) पूर्वरूप
   (3) पश्चरूप
   (4) स्वरूप

62. नीतिमार्ग के न घरशहयति?
   (1) जना:
   (2) सेवका:
   (3) कुलीना
   (4) बालका:

63. ‘तारत’ में संधि है?
   (1) दीर्घ संधि
   (2) गुण संधि
   (3) वृद्धि संधि
   (4) पूर्वरूप संधि

64. संस्कृत में अयोग्यवाह वणों की संख्या है?
   (1) पाँच
   (2) चार
   (3) सी
   (4) तीन

65. ‘अनूपस्म’ में समास है?
   (1) हंद
   (2) चहुँडीकि
   (3) अवविधावन
   (4) तस्मुख

66. कौन स्वर हस्त नहीं होता है?
   (1) क
   (2) ज
   (3) लू
   (4) ओ

67. ‘सहयुक्तग्रामने’ सूक्त किस विभक्ति का वोधक है?
   (1) विन्योग विभक्ति
   (2) पश्चरूपी विभक्ति
   (3) तुनीया विभक्ति
   (4) चुँथी विभक्ति

68. ‘बालकाविप’ शब्द का संधि-विच्छेद होगा?
   (1) बालकौ + अष्टि
   (2) बालक + आविपर
   (3) बालक + बन्धि
   (4) बालकाव + अष्टि

69. बदुङ्के को संस्कृत में कहते है?
   (1) चटक:
   (2) बक:
   (3) कपोट:
   (4) काक:

70. ‘हरये कृत्यति’ में ‘हरये’ में कीन-सा कारक है?
   (1) करण
   (2) अपादान
   (3) सम्प्रदान
   (4) कलार
76. ‘ह’ का उच्चारण स्थान है
(1) कण्ठ
(2) लाल्लु
(3) नासिका
(4) मुंह

77. ‘चौस्मृया’ वह में प्रयुक्त तत्त्वांत समास हिस विभक्ति का है?
(1) तृतीया
(2) चतुर्थी
(3) पञ्चमी
(4) द्वितीया

78. ‘पितृया’ वह में विभक्ति और वचन है?
(1) द्वितीया, एकवचन
(2) द्वितीया, द्विवचन
(3) तृतीया, एकवचन
(4) पञ्चमी, बहुवचन

79. ‘नद’ वह में विभक्ति और वचन है?
(1) पञ्चमी, बहुवचन
(2) पञ्चमी, एकवचन
(3) पञ्चमी, बहुवचन
(4) चतुर्थी, एकवचन

80. ‘श्रणविती’ हिन्दी संख्या का बोधक है?
(1) छत्रांश #
(2) छिंदांश #
(3) सातस #
(4) छलांस #
81. ‘भवत’ क्रियापद में प्रयुक्त लक्ष, पुत्र और वचन है
   (1) लूट, प्रथम, एकवचन
   (2) लोट, प्रथम, एकवचन
   (3) लोट, प्रथम, बहुवचन
   (4) लोट, मध्यम, बहुवचन

82. सर्वनाम शब्द नहीं है
   (1) यूरस्
   (2) ती
   (3) अपि
   (4) तस्मे

83. ‘स्वस्ति’ पद के योग में प्रयोग की जाने वाली विभक्ति है
   (1) चतुर्थी
   (2) द्वितीया
   (3) प्रथमी
   (4) चतुर्थी

84. ‘कालमटी’ प्रथम के रचनाकार है
   (1) भक्तित
   (2) वाणिज्य
   (3) भास
   (4) श्रीहर्ष

85. महाकवि कालिनास द्वारा विचित्रित नाटक है
   (1) रघुवंशम्
   (2) कुमारसम्भवम्
   (3) मालविकामित्रम्
   (4) मेघदूतम्

86. व्यञ्जन सन्धि का उदाहरण है
   (1) साधूकम्
   (2) पारकः
   (3) साजनः
   (4) जलोपः

87. ‘उभयमुख’ से सम्बन्धित सर्वनाम शब्द है
   (1) युवाम्
   (2) सः
   (3) ववम्
   (4) तस्मीनः

88. ‘धृ’ धातु में किन प्रत्यय का योग करने पर रूप बनता है
   (1) धृत्वा
   (2) धरति:
   (3) धृति:
   (4) धाति

89. छन्दसुगत शिखर प्रणाली होती है
   (1) पद्य की
   (2) गद्य की
   (3) व्याकरण की
   (4) कथा की

90. शुद्ध वाक्य है
   (1) सः गुँहं गच्छसि।
   (2) तवः गुँहं गच्छति।
   (3) अहं गुँहं गच्छति।
   (4) तवं गुँहं गच्छसि।
91. If $P\%$ of $P$ is 36, then $P$ is equal to
   (1) 3600  (2) 600  (3) 15  (4) 60

92. If $2352 = 2^x \times 3^y \times 7^z$, then the value of $x + y + z$ is
   (1) 5  (2) 7  (3) 8  (4) 9

93. The number of even divisors of 100 will be
   (1) 6  (2) 5  (3) 7  (4) 8

94. How many cubes of side 3 cm can be separated from a cube of side 15 cm?
   (1) 25  (2) 27  (3) 125  (4) 144

95. If $3^{1989}$ is divided by 7, then remainder is
   (1) 7  (2) 6  (3) 8  (4) 0

96. The sum of interior angles of a polygon is $2160^\circ$. The number of sides of the polygon is
   (1) 12  (2) 13  (3) 14  (4) 15

97. The least non-negative prime integer is
   (1) 0  (2) 1  (3) 2  (4) 3
98. \((1\frac{1}{2} + 11\frac{1}{2} + 111\frac{1}{2} + 1111\frac{1}{2})\) बराबर है

(1) 1236 के  
(2) 1233 के  
(3) 1263 के  
(4) 1239 के  

99. यदि सभी प्राकृतिक संख्याओं \(a\) और \(b\) के लिए, \(a*b=a^2+b^2-ab\) है, तो \(9*10\) का मान है

(1) 90  
(2) 91  
(3) 181  
(4) 182  

100. यदि \(x\) और \(y\) शून्य वाले वास्तविक संख्याएँ हों, तो \(x^2+xy+y^2\)

(1) हमेशा धनात्मक है  
(2) \(x\) और \(y\) के कुछ मानों के लिए शून्य है  
(3) हमेशा धनात्मक है  
(4) का मान धनात्मक और ऋणात्मक दोनों हो सकता है  

101. संलग्न चित्र

```
 3  2  7  5  
4  6  1  8  6  
 3  5  1  8  15 6  
 4  7  6  
 1  9  7
```

में * के स्थान पर संख्या होगी

(1) 8  
(2) 9  
(3) 10  
(4) 11  

102. यदि किन्हीं दो प्राकृतिक संख्याओं \(a\) और \(b\) के लिए \(a^b=125\) हो, तो \(b^a\) है

(1) 241  
(2) 242  
(3) 243  
(4) 247  

103. 1 से 10 तक की सभी प्राकृतिक संख्याओं से विभाजित होने वाली सबसे छोटी संख्या है

(1) 5040  
(2) 2520  
(3) 1000  
(4) 100  

98. \((1\frac{1}{2} + 11\frac{1}{2} + 111\frac{1}{2} + 1111\frac{1}{2})\) is equal to

(1) 1236  
(2) 1233  
(3) 1263  
(4) 1239  

99. If \(a*b=a^2+b^2-ab\) for all natural numbers \(a\) and \(b\), then the value of \(9*10\) is

(1) 90  
(2) 91  
(3) 181  
(4) 182  

100. If \(x\) and \(y\) are non-zero real numbers, then \(x^2+xy+y^2\)

(1) is always negative  
(2) takes the value zero for some \(x\) and \(y\)  
(3) is always positive  
(4) takes both positive and negative values  

101. The number at the place of * in the adjoining figure

```
 3  2  7  5  
4  6  1  8  15 6  
 3  5  1  8  15 6  
 4  7  6  
 1  9  7
```

will be

(1) 8  
(2) 9  
(3) 10  
(4) 11  

102. If for any two natural numbers \(a\) and \(b^a=125\), then \(b^a\) is

(1) 241  
(2) 242  
(3) 243  
(4) 247  

103. The least number, divisible by all natural numbers from 1 to 10, is

(1) 5040  
(2) 2520  
(3) 1000  
(4) 100
104. If it is Friday on 4/8/2017, then what will be the day after 61 days?
(1) Tuesday  (2) Wednesday  (3) Thursday  (4) Friday

105. In the given figure
\[
\begin{align*}
\angle A &= 110^\circ \\
\angle C &= 120^\circ \\
\angle N &= x^\circ \\
\angle Q &= y^\circ \\
\angle M &= P
\end{align*}
\]

\(AB \parallel CD\), then the value of \(y^\circ - x^\circ\) is
(1) 10°  (2) 20°  (3) 30°  (4) 40°

106. If by selling an article for ₹390, a shopkeeper gains 20%, then the cost price of article is
(1) ₹321  (2) ₹323  (3) ₹324  (4) ₹325

107. If the population of a town has increased from 60000 to 65000, then the increase in population (in percent) is
(1) \(\frac{7}{13}\)  (2) \(\frac{8}{3}\)  (3) \(\frac{7}{4}\)  (4) \(\frac{8}{9}\)

108. 40 persons consume 200 kg of rice in 30 days. In how many days will 30 persons consume 500 kg of rice?
(1) 120  (2) 80  (3) 90  (4) 100

109. In a rhombus, the lengths of diagonals are 16 cm and 12 cm. The side of the rhombus is
(1) 7 cm  (2) 8 cm  (3) 9 cm  (4) 10 cm
110. In the given figure $PAQ$ is the tangent of the circle at point $A$ and $ABCD$ is a cyclic quadrilateral.

If $\angle CAQ = 70^\circ$, then $\angle ABC$ is

(1) $70^\circ$  
(2) $80^\circ$  
(3) $110^\circ$  
(4) $90^\circ$

111. If the cost price of 8 pens is same as the selling price of 6 pens, then the gain percent is

(1) $11\frac{1}{2}\%$  
(2) $13\frac{1}{3}\%$  
(3) $33\frac{1}{3}\%$  
(4) $25\%$

112. Which of the following rational numbers does not lie between $\frac{3}{5}$ and $\frac{4}{5}$?

(1) $\frac{19}{30}$  
(2) $\frac{2}{3}$  
(3) $\frac{7}{10}$  
(4) $\frac{16}{30}$

113. If the price of 3 pens, 2 pencils and 4 erasers is ₹92 and the price of 8 pencils and 16 erasers is ₹68, then the price of 24 pens is

(1) ₹625  
(2) ₹500  
(3) ₹675  
(4) ₹600

114. We cannot construct a triangle, if we are given

(1) two angles and one side  
(2) only three sides  
(3) only three angles  
(4) two sides and included angle
115. If the length and breadth of a rectangular plot are increased by 50% and 20% respectively, then how many times will its area be increased?

(1) 1\(\frac{4}{5}\)  
(2) 1\(\frac{1}{5}\)
(3) 4\(\frac{4}{5}\)  
(4) 4\(\frac{1}{5}\)

116. The temperature of a normal human body is 37°C. In Fahrenheit scale, this temperature is

(1) 98.4 °F  
(2) 98.6 °F
(3) 98 °F  
(4) 98.8 °F

117. If \(1^2 + 2^2 + \ldots + 9^2 = 285\) then the value of \((0.11)^2 + (0.22)^2 + \ldots + (0.99)^2\) is

(1) 2.4485  
(2) 0.24485
(3) 3.4485  
(4) 0.34485

118. A sum of money at simple interest doubles in 10 years. In how many years, at the same rate, it will be tripled?

(1) 30 years  
(2) 25 years
(3) 20 years  
(4) 15 years

119. In a circular park of diameter 80 m, there is a square-shaped playground of maximum area. The area of the playground is

(1) 6400 \text{ m}^2  
(2) 1600 \text{ m}^2
(3) 3200 \text{ m}^2  
(4) 12800 \text{ m}^2

120. In an examination of 240 marks, a student scored 52 marks. In pie-chart, the corresponding angle is

(1) 75°  
(2) 78°
(3) 63°  
(4) 21\(\frac{2}{3}\)°
121. ‘विश्व पर्यावरण दिवस’ कब मनाया जाता है?
(1) 2 दिसम्बर
(2) 16 सितम्बर
(3) 5 जून
(4) 11 जुलाई

122. एस॰एस॰ स्वामीनाथन एक
(1) पत्रकार थे
(2) वैज्ञानिक थे
(3) पारंपरिक वैज्ञानिक थे
(4) पक्षी वैज्ञानिक थे

123. वाइक्लिकल इंस्ट्रेंशन ऑफ इंडिया (ईआईआई) कहाँ स्थित है?
(1) नई दिल्ली
(2) खोटान्सीराज
(3) अहमदाबाद
(4) देहरादून

124. प्रकाश-संश्लेषण के दौरान होने वाले निम्न में से किसे सोख लेते है?
(1) हीलियम
(2) नाइट्रीजन
(3) कार्बन डाइऑक्साइड
(4) ऑक्सीजन

125. अपशिष्ट उत्पादों को खाने वाले जीवों को कहा जाता है?
(1) मृतकभक्षी
(2) मांसभक्षी
(3) शातिरभक्षी
(4) रसायनभक्षी

126. तस भौतिक जीव जिस प्रकार की ऊर्जा प्राप्त होती है?
(1) जल-विद्युत ऊर्जा
(2) सौर ऊर्जा
(3) भूतापीय ऊर्जा
(4) नाभिकीय ऊर्जा

121. The World Environment Day falls on
(1) 2nd December
(2) 16th September
(3) 5th June
(4) 11th July

122. M.S. Swaminathan was
(1) a journalist
(2) an agricultural scientist
(3) an ecologist
(4) an ornithologist

123. Where is Wildlife Institute of India (WII) located?
(1) New Delhi
(2) Coimbatore
(3) Ahmedabad
(4) Dehradun

124. During photosynthesis, which of the following is absorbed by green plants?
(1) Helium
(2) Nitrogen
(3) Carbon dioxide
(4) Oxygen

125. The organisms which feed on the waste products are called
(1) detritivores
(2) carnivores
(3) herbivores
(4) chemovores

126. What type of energy is derived from heated groundwater?
(1) Hydroelectric energy
(2) Solar energy
(3) Geothermal energy
(4) Nuclear energy
127. Shola grasslands are found in
(1) the Western Ghats
(2) the Eastern Ghats
(3) the Himalayas
(4) the Vindhyans

128. In India, pelicans breed in
(1) Nelapattu
(2) Koonthankulam
(3) Kokkare Bellur
(4) All of the above

129. ‘Minamata disease’ was caused by eating fish which have high levels of
(1) arsenic
(2) mercury
(3) cadmium
(4) All of the above

130. Maximum ozone depletion has been observed in which of the following?
(1) The North Pole
(2) The South Pole
(3) The Equator
(4) None of the above

131. Who among the following was the first Chief Justice of India?
(1) M. Patanjali Sastri
(2) Mehr Chand Mahajan
(3) Hiralal J. Kania
(4) S. R. Das

132. The ‘Red Data Book’ is related to
(1) pollution in rivers
(2) decreasing underground water level
(3) animals near extinction
(4) air pollution
133. Who among the following is the present Chairperson of the National Commission for Women?
   (1) Girija Vyas
   (2) Rekha Sharma
   (3) Malini Bhattacharya
   (4) Yasmeen Abrar

134. The joint sitting of the Lok Sabha and the Rajya Sabha of states is summoned by
   (1) the President
   (2) the Speaker of the Lok Sabha
   (3) the Parliament
   (4) the Chairman of the Rajya Sabha

135. Which Part of the Constitution has the provisions for Panchayati Raj System?
   (1) IX
   (2) VI
   (3) III
   (4) IV

136. 74th Amendment of the Constitution is related to
   (1) Rural Local Self-Government
   (2) Urban Local Self-Government
   (3) Powers of the President
   (4) Powers of the Parliament

137. Which of the following gases soluble in rainwater causes acidic?
   (1) Hydrogen peroxide
   (2) Nitrogen monoxide
   (3) Carbon dioxide
   (4) Sulphur dioxide

138. ‘Rule of Law’ concept has been taken in the Indian Constitution from
   (1) USA
   (2) England
   (3) Switzerland
   (4) Ireland
139. Who carries out notification for the election of the Lok Sabha?
(1) Election Commission of India
(2) The President
(3) Home Ministry
(4) Lok Sabha Secretariat

140. The first hour of business of the Lok Sabha is known as
(1) Public hour
(2) Privileges hour
(3) Zero hour
(4) Question hour

141. What is Rainwater Harvesting?
(1) Collection and storage of used water
(2) Collection and storage of rainwater
(3) Distribution of water
(4) None of the above

142. Indian Rhinoceros is protected in
(1) Corbett National Park
(2) Kaziranga National Park
(3) Bandipur National Park
(4) Gir National Park

143. Which of the following series is true about energy flow in an ecosystem?
(1) Producers→Consumers→Decomposers
(2) Decomposers→Consumers→Producers
(3) Producers→Consumers→Producers
(4) Consumers→Producers→Decomposers

144. Greenhouse gas, which is present in the highest quantity in atmosphere, is
(1) propane
(2) ethane
(3) carbon dioxide
(4) methane
145. Which crop belonging to the family Euphorbiaceae is known for producing biodiesel?
(1) Jatropha
(2) Candlenut tree
(3) Copper leaf
(4) Sarpagandha

146. Which activity does not contribute to climate change on the earth?
(1) Use of aerosols
(2) Agricultural activities
(3) Use of aerosol cans
(4) All of the above

147. What does the word 'जिजा-जूरिया' mean in Hindi?
(1) Tulsi
(2) Rosemary
(3) Thyme
(4) Coriander

148. ‘जिजा-जूरिया’ is known as a Sacred herb. What is it called?
(1) Tulsi
(2) Rosemary
(3) Thyme
(4) Coriander

149. The water that is safe to drink is called
(1) Tap water
(2) Distilled water
(3) Freshwater
(4) Tap water

150. The Bhopal Gas Tragedy of 1984 was due to the leakage of which of the following gases?
(1) Methyl isocyanate
(2) Nitrous oxide
(3) Methane
(4) Carbon monoxide
PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MARKING ANY ENTRY ON THE OMR ANSWER SHEET.

1. This answer sheet consists of three copies, the original copy, the Board Copy and the Candidate’s Copy. Do not separate or displace them.

2. Use Black/Blue Ballpoint Pen only. Use of Pencil/Gel pen is strictly prohibited. Do not darken the Board Copy and Candidate’s Copy separately.

3. Do not fold or put any stray marks anywhere on the OMR answer sheet. Use of any other paper, calculating machine, mobile, etc., is prohibited and will lead to disqualification.

4. The answer given will be evaluated through electronic scanning process. Incomplete or incorrect entries will render your OMR answer sheet invalid and will not be evaluated.

5. Carefully fill in all the necessary particulars on the OMR answer sheet. Change of OMR answer sheet is not permitted.

6. If you darken more than one circle in your answer, your answer will be treated as wrong. While darkening the appropriate circle(s) in the boxes, darken the chosen circle(s) fully as given below:

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<thead>
<tr>
<th>सही तरीका / CORRECT METHOD</th>
<th>गलत तरीका / WRONG METHODS</th>
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</thead>
<tbody>
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<td>1 (•)</td>
<td>2 (○)</td>
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<td>3 (•)</td>
<td>4 (○)</td>
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</tbody>
</table>

7. Candidates have to answer questions from the multiple choice of answers 1, 2, 3 and 4. Select the right answer of each question and darken the correct circle on the OMR answer sheet. Once darkened, damage in any manner on the OMR answer sheet during examination is strictly prohibited.

8. Candidates must hand over the OMR Answer Sheet without separating the three copies to the invigilator at the end of examination. The candidate can take away the Candidate’s Copy of OMR Answer Sheet with him/her.

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