

MOTION

Nurturing potential through education

NATIONAL TALENT SEARCH EXAMINATION(NTSE) 2017 STAGE-I

MENTAL ABILITY TEST (MAT) - 210-A

Direction (1-4) : In each of the questions 1 to 4 letter series is given with one term missing shown by question mark (?). This term is one of the alternatives among the four groups of letters given under it. Find the right alternative.

1. A, D, G, J, ?
(1) I (2) M
(3) X (4) None of these
2. LO, JQ, HS, ?
(1) FU (2) FQ
(3) EV (4) DW
3. A, C, F, J, O, ?
(1) P (2) T
(3) S (4) U
4. ZXV, TRP, NLJ, ?
(1) HEF (2) HFD
(3) EFH (4) IGE

Direction (5-8) : In each of the questions 5 to 8 a number series is given with one term missing shown by question mark (?). This term is one of the alternatives among the four numbers given under it. Find the right alternative.

5. 121, 144, 169, ?, 225, 256.
(1) 196 (2) 296
(3) 220 (4) 222.
6. 5, 10, 20, ?, 80.
(1) 35 (2) 40
(3) 45 (4) 50.
7. 4, 8, 9, 27, 16, ?, 25, 125.
(1) 8 (2) 16
(3) 25 (4) 64

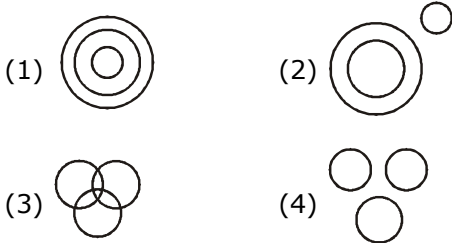
8. 2, 3, 5, 8, ?, 17
(1) 6 (2) 12
(3) 13 (4) 15.

Direction (9-11) : In each of the questions below two statements and two conclusions numbered I and II are given. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two given statements.

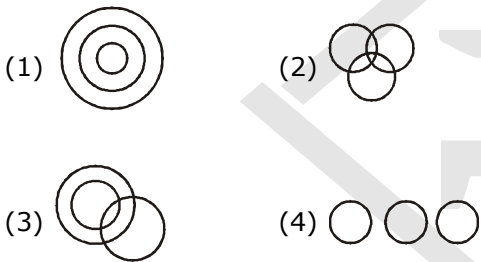
9. Statements : (i) : All dancers are singers.
(ii) : All singers are teachers.
Conclusions : (i) : All dancers are teacher.
(ii) : Some singers are dancers.
(1) Only conclusion I is true
(2) Only conclusion II is true
(3) Both conclusion I and II are true
(4) Neither conclusion I nor conclusion II is true.
10. Statements : (i) : Some fruits are mangoes.
(ii) : Some fruits are not guavas
Conclusions : (i) : All fruits are mangoes.
(ii) : All mangoes are fruits.
(1) Only conclusion I is true
(2) Only conclusion II is true
(3) Both conclusion I and II are true
(4) Neither conclusion I nor conclusion II is true.

- 11.** Statements : (i) : No horse is dog.
 (ii) : All dogs are elephants.
 Conclusions : (i) : No elephant is horse.
 (ii) : Some elephants are dogs.
- (1) Only conclusion I is true
 - (2) Only conclusion II is true
 - (3) Both conclusion I and II are true
 - (4) Neither conclusion I nor conclusion II is true.

12. Which of the following Venn diagrams correctly represents quadrilateral rectangle and square?

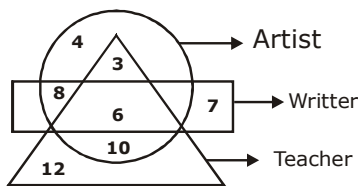


13. Which of the following Venn Diagram correctly represent female mother and Doctor ?



Question (14-15)

Give answer according to the following Venn diagram :

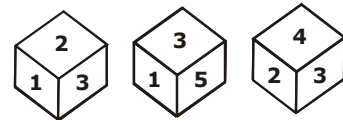


- 14.** Total number of teacher is
- (1) 12
 - (2) 31
 - (3) 19
 - (4) 22
- 15.** How many artists are there who are writer but not teacher ?
- (1) 8
 - (2) 14
 - (3) 13
 - (4) 7

Question (16-19)

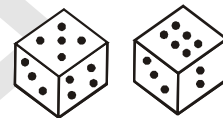
Direction : In questions **16** to **19** three alternatives are alike in a certain way but the rest one is different. Find out the odd one and write correct answer.

- 16.** (1) ABYZ (2) EFUV
 (3) IJOR (4) MNOP
- 17.** (1) $(10)^3$ (2) $(100)^2 \div 10$
 (3) $2^3 \times 5^3$ (4) $2000 \div 2$
- 18.** (1) Pacific Ocean (2) Asia
 (3) Europe (4) Africa.
- 19.** (1) Nepal (2) Pakistan
 (3) Sri Lanka (4) Australia.
- 20.** In the given die the opposite side of the face 3 is having which number ?



- (1) 2
- (2) 4
- (3) 5
- (4) 6

21. The two positions on a dice are shown below. If 1 is at the bottom then what will be on the top ?



- (1) 2
- (2) 3
- (3) 4
- (4) 5

Question (22-23)

Direction : Answer the questions on the basis of cube: A Cube is painted blue on all faces and it is cut into 64 small cubes of equal size. Now answer the following questions :

- 22.** Hom many cubes are not painted on any face?
- (1) 8
 - (2) 16
 - (3) 27
 - (4) 54
- 23.** How many cubes are there which are painted on one face only ?
- (1) 8
 - (2) 16
 - (3) 24
 - (4) 32
- 24.** If in coded language the word 'RAMESH' is written as 'AEHRMS' then in the same code language 'POET' will be written as
- (1) EPTO
 - (2) PEOT
 - (3) ETOP
 - (4) OTPE.

25. If in a coded language the word SCHOOL is written as UAJM QJ then PRINCIPLE will be written as

- (1) RTKPEKRCN (2) NPGLAGNJB
(3) RPKLEGRJG (4) RPKLEKRJG.

Question (26 - 27)

Following alphabets are written in a special coded language like :

B L A C K	W H I T E
0 1 2 3 4	5 6 7 8 9

26. Then code 62830 will be written as
(1) HATCB (2) HATEC
(3) HATBC (4) HATCE

27. 'BHICK' Will be coded as
(1) 06734 (2) 6734
(3) 6743 (4) 06743

28. Sailesh introduces Mahipal as the son of the only brother of his father's wife. How is Mahipal related to Sailesh ?

- (1) Cousin (2) Son
(3) Maternal uncle (4) Son-in-law.

29. Ramesh travels 3 km to east then moves to right and travels 5 km and at the end he again moves right and travels 15 km. Then the distance and direction of initial point from Ramesh is

- (1) 13 km south-west
(2) 13 km north-east
(3) 12 km north-east
(4) 12 km south-east

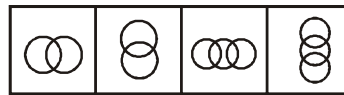
30. How many 5s are there is the following sequence which are immediately followed by 3 but not immediately preceded by 7 ?

- 4 3 6 5 7 5 3 6 4 5 7 3 5 7 3 5 3
(1) 0 (2) 1
(3) 2 (4) 3

Question (31 - 34)

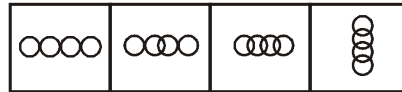
Direction : In questions 31 to 34 there are two sets of figures. One set contains problem-figures while in the other has answer-figures. There is a sequence according to which the problem-figures are arranged. You have to select an answer-figure which can be added in sequence with the problem-figures. Choose the correct figure.

31. Problem - Figures



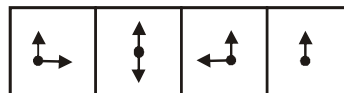
- (A) (B) (C) (D)

Answer - Figures



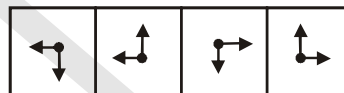
- (1) (2) (3) (4)

32. Problem - Figures



- (A) (B) (C) (D)

Answer - Figures



- (1) (2) (3) (4)

33. Problem - Figures



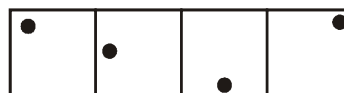
- (A) (B) (C) (D)

Answer - Figures



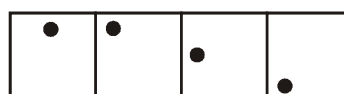
- (1) (2) (3) (4)

34. Problem - Figures



- (A) (B) (C) (D)

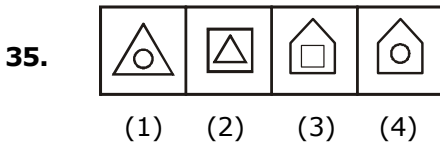
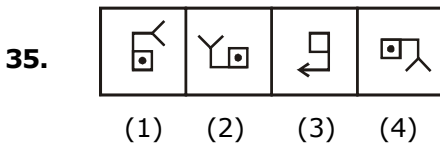
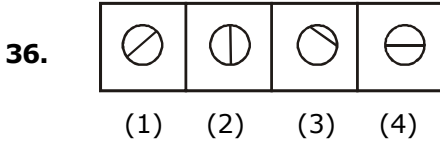
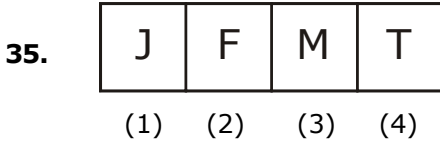
Answer - Figures



- (1) (2) (3) (4)

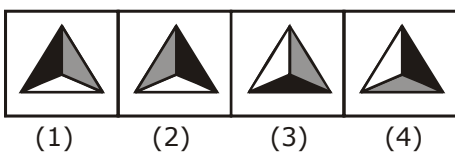
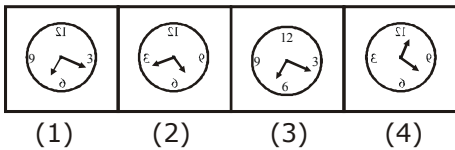
Question (35 - 38)

Direction : In Questions 35 to 38 there are four figures given. One of these does not correlate with the rest of the figures. Find out that odd figure.



Question (39 - 40)

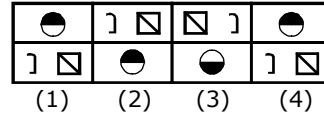
Direction : In Questions 39 to 40. Find the correct mirror image of the given figures, when mirror is placed on right side of the figure.



41. Question-figure



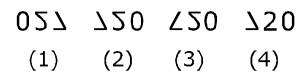
Answer-figure



42. Question-figure

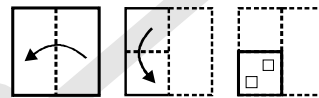
720

Answer-figure

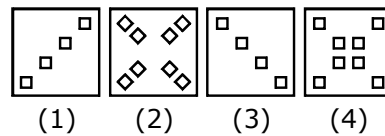


Direction : In the following Questions 43 - 44, figures showing a sequence of folding and cutting a paper are given. Which could resemble the figure in the Answer-figure ?

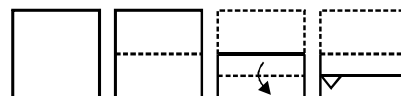
43. Question-figure



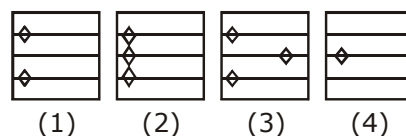
Answer-figure



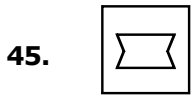
44. Question-figure



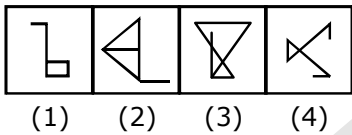
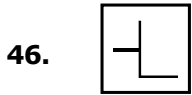
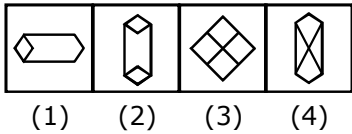
Answer-figure



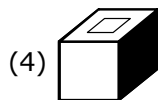
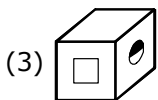
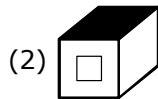
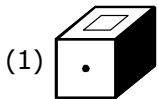
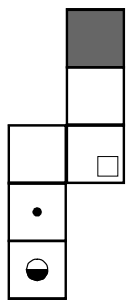
Direction : In the following figure there is a question figure, which is embedded one out of figure. Trace out the correct alternative.



Answer-figure



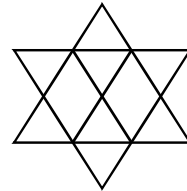
47. In the given figure squares are folded and a cube is formed. Then how will it be seen from the following ?



48. How many numbers between 11 to 50 are there which are exactly divisible by 7 but not divisible by 3 ?

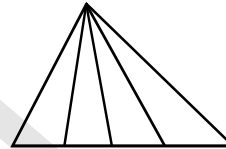
- (1) 3 (2) 4
(3) 5 (4) 6

49. Determine the number of pentagons in the following figure :



- (1) 5 (2) 6
(3) 8 (4) 10

50. Determine the number of triangles in the following figure:



- (1) 5 (2) 6
(3) 8 (4) 10

MOTION

Nurturing potential through education

NATIONAL TALENT SEARCH EXAMINATION(NTSE) 2017 STAGE-I

LANGUAGE COMPREHENSION TEST (LCT) - 211-B

विषय – हिन्दी

इस प्रश्न में कुल 50 प्रश्न हैं। प्रत्येक प्रश्न 1 अंक का है।

प्रश्न संख्या 1–5 के लिए निर्देश : नीचे दिए गए गद्यांश को पढ़कर सबसे सही विकल्प का चयन कीजिए।

कल्पना चावला का जन्म हरियाणा प्रांत के करनाल शहर में 1961 में पहली जुलाई को एक साधारण व्यापारी परिवार में हुआ था। पिता बनवारी लाल एक साधारण व्यापारी थे तथा माँ संयोगिता एक सामान्य गृहिणी। कल्पना की पढ़ाई-लिखाई भी सामान्य लड़कियों की तरह उनके शहर के स्कूल से शुरू हुई थी, लेकिन कल्पना ने अपने लक्ष्य को ध्यान में रखा और साहस के साथ आगे बढ़ती रहीं। जब कल्पना 11वीं कक्षा में पढ़ती थीं, तब अमेरिकी अंतरिक्ष यान 'वाइकिंग' मंगल ग्रह पर उतरा था। इस बात से कल्पना इतनी रोमांचित हुई कि उन्होंने अपनी कक्षा की परियोजना में मंगल ग्रह को दर्शाया। शुरू से ही कल्पना के मन में अंतरिक्ष-विज्ञान के प्रति लगाव रहा और व अंतरिक्ष की यात्रा के सपने देखती रहीं।

- कल्पना चावला का जन्म करनाल शहर में हुआ। करनाल शहर भारत के किस राज्य में स्थित है ?
(1) पंजाब (2) हरियाणा
(3) उत्तर प्रदेश (4) राजस्थान।
- शुरू से ही कल्पना के मन में किसके प्रति लगाव था ?
(1) ज्योतिष विज्ञान (2) जीव विज्ञान
(3) अंतरिक्ष विज्ञान (4) कम्प्यूटर विज्ञान।
- 'सामान्य' शब्द का विलोम है
(1) विशेष (2) संयुक्त
(3) सरल (4) सहज।

4. 'वाइकिंग' क्या है ?

- (1) अमेरिका का अन्तरिक्ष केन्द्र
- (2) अमेरिकी अन्तरिक्ष यान
- (3) अमेरिकी गाँव
- (4) अमेरिकल साइकल।

5. कल्पना ने अपने.....को ध्यान में रखा और.....के साथ आगे बढ़ती रहीं।

- (1) साहस और शरीर (2) क्षमता और साहस
- (3) क्षमता और शरीर (4) लक्ष्य और साहस।

प्रश्न संख्या 6–10 के लिए निर्देश : नीचे दिए गए गद्यांश को पढ़कर सबसे सही विकल्प का चयन कीजिए।

साहित्योन्नति के साधनों में पुस्तकालयों का स्थान अत्यन्त महत्वपूर्ण है। इनके द्वारा साहित्य के जीवन की रक्षा, पुष्टि और अभिवृद्धि होती है। पुस्तकालय सभ्यता के इतिहास का जीता-जागता गवाह है। इसी के बल पर वर्तमान भारत को अपने अतीत गौरव पर गर्व है। पुस्तकालय भार के लिए कोई नयी वस्तु नहीं है। लिपि के आविष्कार से आज तक लोग निरन्तर पुस्तकों का संग्रह करते रहे हैं। पहले देवालय, विद्यालय और नृपालय इन संग्रहों के प्रमुख स्थान होते थे। इनके अतिरिक्त, विद्वज्जनों के अपने निजी पुस्तकालय भी होते थे।

6. 'साहित्योन्नति' का सन्धि विच्छेद होगा।

- (1) साहित्य + उन्नति (2) सहित + उन्नति
- (3) साहित्य + नीति (4) सही + उन्नति

7. पुस्तकालय सभ्यता के.....का जीता-जागता गवाह है। रिक्त स्थानों के लिए सही शब्द होगा।

- (1) ज्ञान (2) भूगोल
- (3) इतिहास (4) साहित्य।

8. पहले पुस्तकालय कहाँ स्थित होते थे ?
 (1) देवालय (2) विद्यालय
 (3) नृपालय (4) इनमें से सभी।

9. पुस्तकालय भारत के लिए कोई नयी वस्तु नहीं है। रेखांकित पद है
 (1) संज्ञा (2) विशेषण
 (3) सर्वनाम (4) कारक।

प्रश्न संख्या 11-15 के लिए निर्देश : नीचे दिए गए गद्यांश को पढ़कर सबसे सही विकल्प का चयन कीजिए।

हमारे गाँव आत्मनिर्भर नहीं है। कहीं-कहीं स्वास्थ्य-शिक्षा तो छोड़िये, भोजन-पानी की बुनियादी सुविधाएँ भी नहीं हैं। इतनी सुविधाओं में जीवन यापन दुष्कर है। इसीलिए लोग गाँव छोड़कर शहर की ओर आते हैं। वे विवशता में अपना घर छोड़ते हैं। कोई भी अपनी जड़े नहीं त्यागना चाहता। जड़ों से कट कर लोगों में भावनात्मक खिन्नता भी आ जाती है। व्यक्तिगत रूप से मेरा मानना है कि हम सभ्य समाज में रहते हैं इसलिए हमें अपने देश को गाँवों और शहरों में बाँटकर नहीं देखना चाहिए।

11. लोग गाँव छोड़ कर कहाँ जा रहे हैं ?
 (1) विद्यालयों में (2) गाँवों में
 (3) शहरों में (4) विदेशों में।
12. हमें अपने देश को किसमें बाँटकर नहीं देखना चाहिए ?
 (1) स्त्री और पुरुषों में (2) गाँव और शहरों में
 (3) अमीरों और गरीबों में (4) स्वास्थ्य और शिक्षा में।
13. 'व्यक्तिगत' शब्द का विलोग है
 (1) सार्वजनिक (2) वैयक्तिक
 (3) निजी (4) धार्मिक।
14. हमारे गाँव आत्मनिर्भर नहीं है, क्योंकि
 (1) बुनियादी सुविधाएँ नहीं हैं
 (2) इन्टरनेट नहीं है
 (3) विदेशी व्यापार नहीं है
 (4) प्रशासनिक नियंत्रण नहीं है।
15. बुनियादी सुविधाओं में सम्मिलित हैं
 (1) स्वास्थ्य, शिक्षा, भोजन, पानी
 (2) इन्टरनेट, ई-मेल, कम्प्यूटर
 (3) विदेशी माल, होटल, रेस्तरां
 (4) समुद्री व्यापार व उद्योग धन्धे।
16. निम्नलिखित में से पार्श्विक व्यंजन है
 (1) प् (2) म्
 (3) क् (4) ल्।

17. निम्नलिखित में से अनुनासिक ध्वनि युक्त वर्ण हैं
 (1) अ (2) प
 (3) क (4) अं।
18. निम्नलिखित में से शुद्ध वर्तनी युक्त शब्द है
 (1) प्रज्वलित (2) प्रज्वल
 (3) प्रजवल (4) प्रज्वल।
19. निम्नलिखित में से शुद्ध वर्तनी युक्त शब्द है
 (1) कुटम्ब (2) विरहणी
 (3) माहात्म्य (4) मैथली।
20. 'अभीप्सा' शब्द का सन्धि विच्छेद है
 (1) अभि + ईप्सा (2) अभी + ईप्सा
 (3) अभि + इप्सा (4) अभी + इप्सा।
21. 'दिगम्बर' शब्द में सन्धि है
 (1) गुण (2) व्यंजन
 (3) यण (4) विसर्ग।
22. 'त्रिनेत्र' शब्द में समास है
 (1) बहुव्रीहि समास (2) अव्ययीभाव समास
 (3) द्विगु समास (4) तत्पुरुष समास
23. 'निर्जन' शब्द में सन्धि है
 (1) गुण सन्धि (2) विसर्ग सन्धि
 (3) व्यंजन सन्धि (4) अयादि सन्धि।
24. 'प्रत्युपकार' शब्द में उपसर्ग है
 (1) प्रत्यु (2) प्र
 (3) कार (4) प्रति।
25. निम्नलिखित में से 'उप' उपसर्ग से निर्मित शब्द नहीं है
 (1) उपयुक्त (2) उपाध्यक्ष
 (3) उपभोग (4) उपर्युक्त।
26. निम्नलिखित में से किस शब्द में 'य' प्रत्यय नहीं है ?
 (1) माधुर्य (2) सौन्दर्य
 (3) दैत्य (4) गांगेय।
27. निम्नलिखित में से किस शब्द में 'आवट' प्रत्यय नहीं है ?
 (1) सजावट (2) लिखावट
 (3) चिल्लावट (4) मिलावट।
28. समूहवाचक संज्ञा का उदाहरण है
 (1) मकान (2) सोना
 (3) गुच्छा (4) मिठास।

29. 'राम विद्यालय पढ़ने जाता है' रेखांकित पद है
 (1) संज्ञा (2) विशेषण
 (3) सर्वनाम (4) अवयव।
30. निम्नलिखित में से सर्वनाम का प्रकार नहीं है
 (1) सम्बन्धवाचक (2) गुणवाचक
 (3) निजवाचक (4) निश्चयवाचक।
31. 'मोहन ने चार जलेबियाँ खायीं।' यहाँ रेखांकित पद है
 (1) गुणवाचक विशेषण (2) संख्यावाचक विशेषण
 (3) परिमाणवाचक विशेषण (4) सार्वनामिक विशेषण।
32. 'यह सोहन का घर है।' वाक्य में 'का' है
 (1) सम्बन्ध कारक (2) सम्प्रदान कारक
 (3) कर्म कारक (4) सम्बोधन कारक।
33. छिः ! धिक ! हट ! आदि विस्मयादि बोधक शब्द दर्शाते हैं
 (1) शोक (2) हर्ष
 (3) आश्चर्य (4) तिरस्कार।
34. निम्नलिखित में से किस विकल्प के सभी शब्द पर्यायवाची नहीं हैं?
 (1) घोड़ा, अश्व, हय (2) चन्द्रमा, शशि, सुधांशु
 (3) अग्नि, अनल, पावन (4) कमल, राजीव, पंकज।
35. निम्नलिखित में से 'इन्द्र' का पर्यायवाची नहीं है
 (1) मेघराज (2) सुरपति
 (3) देवराज (4) रतिपति।
36. 'परीक्षा-परिक्षा' शब्द-युग्म का सही अर्थ है
 (1) सुन्दरी-परख (2) परख-कीचड़
 (3) कीचड़-परख (4) परख-सुन्दरी।
37. 'अंस-अंश' शब्द-युग्म का सही अर्थ है
 (1) भाग-पूर्ण (2) पूर्ण-अन्धेरा
 (3) कन्धा-हिस्सा (4) हिस्सा-कन्धा।
38. निम्नलिखित जोड़ों में से कौन सा जोड़ा विलोम की दृष्टि से सुमेलित नहीं है ?
 (1) उग्र-सौम्य (2) गरल-सुधा
 (3) एकत्र-विकीर्ण (4) कृतज्ञ-कृपण।
39. निम्नलिखित में से कौन-सा वाक्य सही है ?
 (1) श्रीकृष्ण के अनेकों नाम हैं
 (2) मैं गाने की कसरत कर रहा हूँ
 (3) वह प्रातःकाल के समय घूमता है
 (4) यह काम पर निर्भर है।
40. 'यदि तुम पैसे दो तो मैं चलूँ।' यह वाक्य है
 (1) संकेतार्थक वाक्य (2) निषेधात्मक वाक्य
 (3) आज्ञार्थक वाक्य (4) विधानार्थक वाक्य।
41. 'रात हुई और तारे निकले।' वाक्य का प्रकार है
 (1) मिश्र (2) सरल
 (3) संयुक्त (4) सरल और मिश्र।
42. 'सुबरण को ढूँढत फिरत, कवि, व्यभिचारी, चोर।' वाक्य में अलंकार है
 (1) उपमा (2) उत्प्रेक्षा
 (3) श्लेष (4) रूपक।
43. समान आयु वालों को लिखे गये पत्रों में स्वनिर्देश होता है
 (1) तुम्हारा (2) पूज्य
 (3) श्रद्धेय (4) चिरंजीवी।
44. निम्नलिखित में कौनसा शब्द सदैव बहुवचन में प्रयुक्त होता है ?
 (1) प्राण (2) लड़का
 (3) लोहा (4) ताश।
45. 'जूता चाटना' मुहावरे का अर्थ है
 (1) जूते की सफाई करना (2) चापलूसी करना
 (3) जूते मारना (4) अपमान करना।
46. कार्य समाप्त होने का अर्थ निम्नलिखित में से किस मुहावरे से प्रकट होता है ?
 (1) अश्रु श्री (2) श्री गणेशाय नमः
 (3) इति श्री (4) जय श्रीराम।
47. 'जिन ढूँढा तिन पाइयाँ गहरे पानी पैठ' लोकोक्ति का अर्थ है
 (1) परिश्रम का फल अवश्यक मिलता है
 (2) गहरे पानी में नहाना चाहिए
 (3) पानी गहरा होता है
 (4) गहरे पानी में नहीं जाना चाहिए।
48. "भई गति साँप छछूंदर जैसी" लोकोक्ति का अर्थ है
 (1) सुविधा में पड़ना (2) दुविधा में पड़ना
 (3) आपस में लड़ना (4) दुश्मनी रखना।
49. 'अट्टालिका' शब्द का तद्भव रूप है
 (1) अट्टहास (2) अट्टपट्ट
 (3) आटे की मशीन (4) अटारी।
50. जिसमें बाण रखे जाते हैं, वह है
 (1) बाणासुर (2) तरकश
 (3) बाणेश्वरी (4) कर्कश।

Subject : English

There are 50 questions in this paper. Each question carries 1 Mark.

Direction for Question No. 1-5 :

Read the passage and answer the questions based on it.

I have three visions for India. In 3000 years of our history people from all over the world have come and invaded us, captured our lands, conquered our minds. From Alexander onwards the Greeks, the Turks, the Moguls, the Portuguese, the British, the French, the Dutch, all of them came and looted us, took over what was ours. Yet we have not done this to any other nation. We have not conquered anyone. We have not grabbed their land, their culture and their history and tried to enforce our way of life on them. Why? Because we respect the freedom of others. That is why my FIRST VISION is that of FREEDOM. I believe that India got its first vision of this in 1857, when we started the War of Independence. It is this freedom that we must protect and nurture and build on. If we are not free, no one will respect us.

We have 10 per cent growth in most areas. Our poverty levels are falling. Our achievements are being globally recognised today. Yet we lack the self confidence to see ourselves as a developed nation, self-reliant and self assured. Isn't this incorrect? MY SECOND VISION for India is DEVELOPMENT. For fifty years we have been a developing nation. It is time we see ourselves as a developed nation. We are among top five nations in the world in terms of GDP. I have THIRD VISION India must stand up to the world. Because I believe that unless India stands up to the world, no one will respect us. Only strength respects strength. We must be strong not only as a military power but also as an economic power.

1. In 3000 years many countries invaded India. What damage did they do to us ?
 (1) They gave India freedom
 (2) They worked for India's development
 (3) They looted us, took over what was ours
 (4) They helped us to be strong and powerful.
 2. Why we (India) have not conquered any nation? Not grabbed their land and culture?
 (1) Because we were a weak nation
 (2) Because we respect the freedom of others
 (3) Because we did not respect the freedom of others
 (4) Because we were a greedy nation.
 3. The author's first vision is that of freedom. What kind of freedom is it ?
 (1) It is to live and enjoy freely
 (2) It is to grab others' land
 (3) It is the freedom that we must protect and nurture and build on
 (4) It is to enforce our way of life.
 4. What is the second vision of the author?
 (1) His second vision is Independence
 (2) His second vision is to respect others
 (3) His second vision is to take over on others
 (4) His second vision for India is Development.
 5. According to the author what should we do to stand up to the world ?
 (1) We must be strong as military and economic powers
 (2) We must invade others' lands and conquer their minds
 (3) We must respect the strength of others
 (4) We must work with great minds.
- Choose the correct options to fill in the blanks :**
6. Mayank always newspaper in the morning.
 (1) read (2) reads
 (3) was reacting (4) is reading.
 7. Listen! Someone at the door.
 (1) is knocking (2) are knocking
 (3) knocks (4) knocked.
 8. Kezia's father home just now.
 (1) come (2) came
 (3) has come (4) had come.
 9. First prize by Wanda last year.
 (1) were won (2) was won
 (3) are won (4) is won.
 10. A Poem by Roshani now.
 (1) is being recited (2) was being recited
 (3) will be recited (4) are being recited.
 11. National Anthem everyday in the prayer assembly.
 (1) will be sung (2) is sung
 (3) sang (4) is singing.
 12. Prizes by the chief guest in the annual function next week.
 (1) give away
 (2) has been given away
 (3) will be given away
 (4) was given away.

- 13.** Zameer said to me, "What are you doing?" Zameer asked me doing.
(1) what was I (2) what he is
(3) that what I was (4) what I was.
- 14.** He said, "Hurrah! I have won the match." He exclaimed with joy the match.
(1) if he was won (2) that he had won
(3) that he won (4) that he is won.
- 15.** Anjana said to her father, "I want to buy a new dress." Anjana told her father that to buy a new dress.
(1) he wanted (2) she was wanted
(3) she wanted (4) she wants.
- 16.** There are clouds in the sky. It rain today.
(1) should (2) may
(3) could (4) will.
- 17.** you lend me one thousand rupees?
(1) Must (2) May
(3) Would (4) Might.
- 18.** Father warns his children: It's poison, you touch it. .
(1) needn't (2) couldn't
(3) can't (4) mustn't.
- 19.** Jaiprakash as well as his colleagues determined to achieve the goal this year.
(1) am (2) are
(3) is (4) were.
- 20.** The poet and playwright
(1) are dead (2) is dead
(3) are dying (4) were dead.
- 21.** Both Jaysree and Jyotirmay playing badminton now.
(1) is (2) were
(3) was (4) are.
- 22.** The number of farmers using modern technology in agriculture growing more and more.
(1) are (2) was
(3) is (4) were.
- 23.** knowledge is dangerous thing.
(1) The little (2) A little
(3) The few (4) A few.
- 24.** Geeta: Would you lend me money?
Deepika : Certainly, I will.
(1) many (2) several
(3) some (4) much.
- 25.** The snake came into the room the window.
(1) by (2) from
(3) at (4) through.
- 26.** Many people died for the sake their motherland.
(1) of (2) to
(3) for (4) from.
- 27.** What is the time your watch?
(1) In (2) from
(3) by (4) on.
- 28.** Shambhu is so rude nobody can face him publicly.
(1) yet (2) as
(3) that (4) so.
- 29.** Children are fond of sweets.
(1) to eat (2) eating
(3) eat (4) are eating.
- 30.** my sister was washing clothes, the ring slipped off her finger.
(1) Because (2) While
(3) Although (4) Therefore.
- 31.** Add a question tag : Clean India Campaign is growing popular day by day,
(1) isn't it? (2) is it ?
(3) wasn't it ? (4) don't it ?
- 32.** Add a question tag: Devendra won't take a test,
(1) shall he ? (2) won't he ?
(3) will he ? (4) shan't he ?
- For Question Nos. 33 -34 select the proper grammatical arrangement of the given sentences:**
- 33.** Believe / do not / what / he says / In
(a) (b) (c) (d) (e)
(1) (b) (a) (e) (c) (d)
(2) (c) (b) (a) (e) (d)
(3) (a) (e) (b) (c) (d)
(4) (d) (c) (b) (a) (e).
- 34.** Farmers / Indian / Work / Hard / Very
(a) (b) (c) (d) (e)
(1) (b) (d) (e) (a) (c)
(2) (e) (a) (b) (c) (d)
(3) (a) (c) (e) (b) (d)
(4) (b) (a) (c) (e) (d).

For Question Nos. 35 -36 select the word that best expresses the meaning of the given word:

- 35.** downcast
 (1) joy (2) sad
 (3) hopeful (4) hate.
- 36.** workaholic
 (1) A person who finds it difficult to stop working
 (2) A person who does not find it difficult to stop working
 (3) A person who is least interested in working
 (4) A person who works time to time.

For Question Nos. 37 -38 select the word which means the opposite of the given word:

- 37.** Former
 (1) recently (2) early
 (3) lately (4) latter.
- 38.** Ally
 (1) Enemy (2) Friend
 (3) Companion (4) Relative

For Question Nos. 39 -40 select the meaning of the given phrasal verbs:

- 39.** Taken with
 (1) abhorred by (2) disliked by
 (3) attracted by (4) distracted by.
- 40.** Give away
 (1) distribute (2) contribute
 (3) collect (4) gather.
- 41.** The poem "The Road not Taken" is written by
 (1) Coates Kinney (2) Robert Frost
 (3) W. B. Yeats (4) James Kirkup.
- 42.** Who composed the poem "A Tiger in the Zoo"?
 (1) Robert Frost (2) John Berryman
 (3) Robin Klein (4) Leslie Norris.
- 43.** He came 'in'
 Here 'in' is
 (1) Preposition (2) Noun
 (3) Adverb (4) Adjective.
- 44.** He sat in his favoured corner by the fire. In the above sentence 'favoured' functions as a/an
 (1) Verb (2) Adjective
 (3) Adverb (4) Noun.

- 45.** Choose the correct Negative sentence of the given affirmative sentence : December is the coldest month of the year.
 (1) December is as cold as other months
 (2) No month is coldest of the year as December is
 (3) No other month of the year is as cold as December
 (4) None of these.
- 46.** Which of the following can be the appropriate word for the blank space :
 On the day of the of my new office, I was overwhelmed with a sense of achievement.
 (1) inauguration (2) inaugurate
 (3) inaugural (4) inaugurator.
- 47.** Which of the following is correctly spelt :
 (1) Beautifull (2) Beehive
 (3) Bihave (4) Childhud.
- 48.** can get driving licence for all vehicles.
 (1) 16 year and above
 (2) 18 year and above
 (3) 15 year and above
 (4) 14 year and above.

For Question Nos. 49 -50 select the meaning of the underlined phrases / idioms.

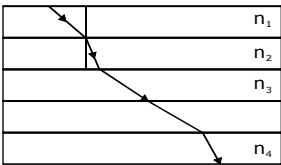
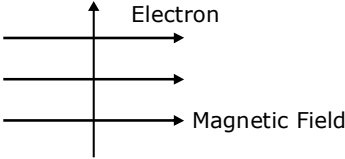
- 49.** The police caught him red-handed.
 (1) in the act of doing something wrong
 (2) with his hands smeared with blood
 (3) when his hands were red
 (4) in the act of painting the hands red.
- 50.** They won the match by hook or by crook.
 (1) by using all the instruments
 (2) by using the hooks
 (3) by using the crooks
 (4) by any means possible.

MOTION

Nurturing potential through education

NATIONAL TALENT SEARCH EXAMINATION(NTSE) 2017 STAGE-I

SCHOLASTIC APTITUDE TEST (SAT) - 212-C

1. The brakes applied to a car produce an acceleration of 8 m/s^2 in the opposite direction to the motion. If the car takes 3 seconds to stop after the application of brakes, the distance it travels during the time will be
(1) 30 m (2) 36 m
(3) 25 m (4) 40 m
2. A bullet of mass 10 gm moving with 100 m/s is embedded in a block of 1 kg which is initially in rest. The final velocity of the system will be
(1) 1 m/s (2) 1.5 m/s
(3) 0.5 m/s (4) 2 m/s
3. The magnitude of buoyant force depends on which one of the following properties of fluid ?
(1) Mass of object (2) Size of object
(3) Density of liquid (4) Size of container
4. The value of 200 units of energy into joules will be
(1) $7.20 \times 10^8 \text{ J}$ (2) $7.20 \times 10^7 \text{ J}$
(3) $72 \times 10^8 \text{ J}$ (4) $7.2 \times 10^6 \text{ J}$
5. In which of the following media, the speed of sound will be maximum ?
(1) Glass (2) Ethanol
(3) Air (4) Vacuum
6. The weight of a body of mass 15 kg on moon is
(1) 24.5 N (2) 2.45 N
(3) 245 N (4) 0.245 N
7. The work required to increase the velocity of a particle from 18 km/h to 72 km/h, if mass of particle is 2 kg, is
(1) 275 J (2) 225 J
(3) 15 J (4) 375 J
8. The image formed by a concave mirror is observed to be real, inverted and larger than the object. Where should be the position of the object ?
(1) At the centre of curvature
(2) Between the principal focus and centre of curvature
(3) Beyond the centre of curvature
(4) Between the pole of the mirror and its principal focus.
9. The path of ray of light in different media of refractive indices n_1, n_2, n_3 and n_4 is shown in figure. The velocity of light will be maximum in the medium whose refractive index is
- 
- (1) n_1 (2) n_2
(3) n_3 (4) n_4
10. Which one of the following phenomena is an example of scattering of light ?
(1) Bending of rod at interface of air and water
(2) Twinkling of stars
(3) Tyndall Effect
(4) Mirage in desert during summer.
11. An electron enters in a magnetic field at right angles to it, as shown in figure. The direction of force acting on the electron will be
- 
- (1) to the right (2) to the left
(3) out of paper (4) into the paper

- 12.** Three $6\ \Omega$ resistors are connected in parallel and the combination is connected to a 15 V battery. The current through any one of the resistors will be
 (1) 2.5 A (2) 2.0 A
 (3) 5 A (4) 10 A
- 13.** The minimum order to temperature required for nuclear fusion is
 (1) 10^{15} K (2) 10^6 K
 (3) 10^3 K (4) 10^2 K
- 14.** What will be the mass/mass percentage of a solution containing 30 gm of common salt in 220 gm of water ?
 (1) 3% (2) 1.2%
 (3) 12% (4) 22%
- 15.** Cheese is an example of which type of colloid?
 (1) Gel (2) Foam
 (3) Sol (4) Solid sol.
- 16.** Which process is used to separate a mixture of two miscible liquids A & B having boiling points 56°C and 65°C respectively ?
 (1) Distillation (2) Fractional distillation
 (3) Sublimation (4) Steam distillation
- 17.** Number of valence electrons in Magnesium is
 (1) 12 (2) 10
 (3) 8 (4) 2
- 18.** Total Number of atoms in 4 gm of oxygen molecule is
 (1) 6.022×10^{23} (2) 7.52×10^{22}
 (3) 1.5055×10^{23} (4) 0.0752×10^{23}
- 19.** Number of which among the following is same in Al^{+3} and F^- ?
 (1) Proton (2) Neutron
 (3) Atomic mass (4) Electron
- 20.** Which of the following is pH of basic solution ?
 (1) 7 (2) 4.2
 (3) 6.9 (4) 10.2
- 21.** Which metal does not react with oxygen at high temperature ?
 (1) Mg (2) Al
 (3) Ag (4) Zn
- 22.** Which reagent is able to dissolve gold and platinum ?
 (1) Nitric acid (2) Aqua-regia
 (3) Hydrochloric acid (4) Sulphuric acid
- 23.** Which metal is most reactive ?
 (1) Na (2) Ca
 (3) K (4) Zn
- 24.** Identify X in the following reaction -

$$\text{CH}_3 - \text{CH}_2 - \text{OH} \xrightarrow[\text{H}_2\text{SO}_4]{\text{Hot, conc.}} (\text{X}) + \text{H}_2\text{O}$$

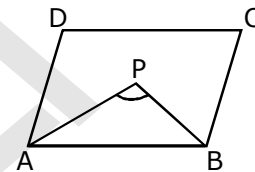
 (1) Ethane (2) Methane
 (3) Ethene (3) Ethanol
- 25.** Electronic configuration of an atom is 2, 8, 1. Which of the following elements is similar with it an chemical reactivity ?
 (1) K (2) Cl
 (3) N (4) Ar
- 26.** Ethanol is made unfit for drinking by adding
 (1) Propanol (2) Methanal
 (3) Methanol (4) Ethanal
- 27.** In cell which cell organelle other than nucleus contains DNA ?
 (1) Lysosome
 (2) Golgi bodies
 (3) Endoplasmic reticulum
 (4) Mitochondria
- 28.** Which plant group is called amphibious plants?
 (1) Algae (2) Fungi
 (3) Bryophyta (4) Pteridophyta
- 29.** The tissue which makes the plants hard and stiff is
 (1) Parenchyma (2) Chlorenchyma
 (3) Collenchyma (4) Sclerenchyma
- 30.** Which of the following plant hormones induces cell division ?
 (1) Auxin (2) Gibberellin
 (3) Ethylene (4) Cytokinin
- 31.** The undifferentiated mass of cell in tissue culture is called
 (1) Tissue (2) Embryo
 (3) Callus (4) Spore
- 32.** Amrita Devi Visnoi of Rajasthan is related with
 (1) Plant conservation
 (2) Education
 (3) Sports
 (4) Politics

- 33.** Which radiation harms ozone layer in the atmosphere ?
 (1) Ultraviolet radiation
 (2) Infrared radiation
 (3) Lysosome
 (4) Mesosome
- 34.** Which cell organ is called "suicide bags" ?
 (1) Centrosome (2) Chromosome
 (3) Lysosome (4) Mesosome
- 35.** The lining of oesophagus and mouth is covered with which type of tissues ?
 (1) Cuboidal epithelium
 (2) Squamous epithelium
 (3) Columnar epithelium
 (4) Stratified squamous epithelium
- 36.** Which is the odd one ?
 (1) Planaria (2) Liver-fluke
 (3) Ascaris (4) Tape-worm
- 37.** An egg laying mammal is
 (1) Kangaroo (2) Bat
 (3) Whale (4) Echidna
- 38.** Normal human blood pressure is
 (1) 80/120 mm of Hg (2) 120/80 mm of Hg
 (3) 100/80 mm of Hg (4) 80/100 mm of Hg
- 39.** Central Nervous system consists of brain and
 (1) Spinal Cord (2) Spinal nerves
 (3) Cranial nerves (4) All the nerves.
- 40.** *Raja saurus* is a fossil of
 (1) Tree trunk (2) Invertebrate
 (3) Fish (4) Dinosaur
- 41.** The cube root of $x + y + 3x^{1/3}y^{1/3}(x^{1/3} + y^{1/3})$ is
 (1) $x + y$ (2) $x^{1/3} + y^{1/3}$
 (3) $(x + y)^{1/3}$ (4) $(x + y)^3$
- 42.** Expressing $0.\overline{23} + 0.\overline{23}$ as a single decimal, we get
 (1) $0.46\overline{5}$ (2) $0.46\overline{5}$
 (3) $0.4\overline{65}$ (4) $0.465\overline{4}$
- 43.** if $(x + \sqrt{2})$ is a factor of $kx^2 - \sqrt{2}x + 1$, then the value of x is
 (1) $-\frac{3}{2}$ (2) $-\frac{2}{3}$
 (3) $\frac{3}{2}$ (4) $\frac{2}{3}$

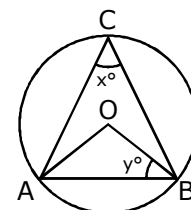
- 44.** In the equations $3x + 2y = 13xy$ and $4x - 5y = 2xy$, the value of x and y that satisfy the equations are
 (1) (2, 3) (2) (3, 2)
 (3) $(\frac{1}{2}, \frac{1}{3})$ (4) $(\frac{1}{3}, \frac{1}{2})$
- 45.** The angles of elevation of the top of a tower from two points at a distance of 9 m and 16 m from the base of the tower and in the same straight line in the same direction with it are complementary. Then height of the tower is
 (1) 12 m (2) 15 m
 (3) 20 m (4) 25 m

- 46.** If $\sin\theta = p$ and $\cos\theta = q$ then the value of $\frac{p - 2p^3}{2q^3 - q}$ is
 (1) $\sec \theta$ (2) $\operatorname{cosec} \theta$
 (3) $\cot \theta$ (4) $\tan \theta$

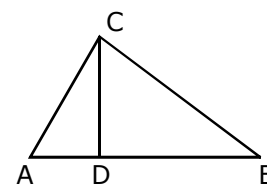
- 47.** If AP and BP are the bisectors of the angle A and angle B of a parallelogram ABCD, then value of the angle APB is



- (1) 30° (2) 45°
 (3) 60° (4) 90°
- 48.** In the following O is the centre of circle and $\angle ACB = x^\circ$, $\angle OBA = y^\circ$ then the value of $x^\circ + y^\circ$ is



- (1) 90° (2) 120°
 (3) 150° (4) 180°
- 49.** In the following figure $\angle ACB = 90^\circ$ and $CD \perp AB$. If $AD = 4$ cm and $BD = 9$ cm then the ratio $BC : AC$ is



- (1) 3 : 2 (2) 2 : 3
 (3) 16 : 81 (4) 81 : 16

50. If in a right angled triangle the hypotenuse is to be 1 cm longer than the base and 2 cm longer than the altitude, then the perimeter of the triangle is

- (1) 24 cm (2) 20 cm
(3) 12 cm (4) 10 cm

51. If the roots of quadratic equation $2x^2 + 3kx + 8 = 0$ are equal, the value of k is

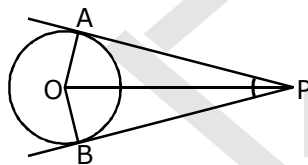
(1) $\pm \frac{2}{3}$ (2) $\pm \frac{3}{2}$

(3) $\pm \frac{3}{8}$ (4) $\pm \frac{8}{3}$

52. If $a = x - y$, $b = y - z$ and $c = z - x$ then the value of $a^3 + b^3 + c^3$ is

- (1) $3(x - y)(y - z)(z - x)$
(2) $(x - y)^3(y - z)^3(z - x)^3$
(3) $(x + y + z)^3$
(4) $x^3 + y^3 + z^3$

53. If tangents PA and PB from a point P to a circle with centre O are inclined to each other at an angle of 110° , the $\angle POA$ is equal to



- (1) 65° (2) 55°
(3) 45° (4) 35°

54. Two coins are tossed once. The probability of getting at least one tail is

(1) $\frac{1}{2}$ (2) $\frac{1}{3}$

(3) $\frac{1}{4}$ (4) $\sqrt{3}$

55. Value of $\tan 25^\circ \tan 35^\circ \tan 45^\circ \tan 55^\circ \tan 65^\circ$ is

- (1) 0 (2) 1
(3) $\sqrt{2}$ (4) $\sqrt{3}$

56. The first term of an A. P. is 5, the last term is 45 and the sum is 400. Then the fourth term of A. P. is

- (1) 13 (2) 11
(3) 15 (4) 14

57. A cow is tied with a rope of length 12 m at a corner of rectangular field of dimensions 25 m \times 45 m. If the length of the rope is increased to 23 m, then the additional grassy area in which the cow can give is

(Take $\pi = \frac{22}{7}$)

- (1) 300.5 m^2 (2) 312.5 m^2
(3) 315.5 m^2 (4) 320.5 m^2

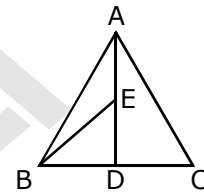
58. If a metallic sphere of radius 6 cm is melted and recast into the shape of a cylinder of radius 3 cm, then the height of the cylinder is

- (1) 30 cm (2) 25 cm
(3) 35 cm (4) 32 cm

59. If mode of any series is 5 and median is 3 then Mean of that series is

- (1) 1 (2) 2
(3) 3 (4) 4

60. In the following figure of triangle ABC, E is the midpoint of median AD. The ratio of areas of the triangles ABC and BED is



- (1) 1 : 4 (2) 3 : 4
(3) 4 : 1 (3) 4 : 3

61. Which among the following is not correctly matched in relation to the symbols of the French Revolution ?

(Attribute) **(Significance)**

- (1) Broken Chains – Being freed
(2) Breast plate with eagle – Willingness to make peace
(3) Sceptre – Symbol of royal power
(4) The winged woman – Personification of the law.

62. Match List-I with List-II correctly and choose the correct code from the following:

List - I

List - II

- (A) Napoleon defeated at Waterloo (i) 1929
(B) Formation of the Hindustan Socialist Republican Army (ii) 1919

- (C) Formation of Comintern (iii) 1928
 (D) Lahore Congress (iv) 1815

Code:

- | | | | | |
|-----|-----|-----|----|-----|
| | A | B | C | D |
| (1) | iii | ii | iv | i |
| (2) | iv | iii | ii | i |
| (3) | i | iv | ii | iii |
| (4) | ii | iv | i | iii |

- 63.** Find out the correct explanation:
 (1) Livre : Unit of currency in France, discontinued in 1794
 (2) Clergy : Building belonging to a community devoted to a religious life
 (3) Tithe : Tax to be paid directly to the state
 (4) Taille : A tax levied by the church.
- 64.** In which state of India is Gujranwala situated ?
 (1) Gujarat (2) Rajasthan
 (3) Karnataka (4) Punjab
- 65.** Who wrote the novel 'Godan' ?
 (1) Muhammad Basheer
 (2) Rabindranath Tagore
 (3) Bhudeb Mukhopadhyay
 (4) Premchand
- 66.** Who was Charles Dickens ?
 (1) King (2) Novelist
 (3) Revolutionary (4) Monk
- 67.** Pay attention on the following points:
 (A) The Non-cooperation-Khilafat Movement began in January 1921
 (B) In February 1922, Mahatma Gandhi decided to withdraw the Non-Cooperation Movement.
 Choose the correct answer from the codes given below :
 (1) only (A) (2) only (B)
 (3) both (A) and (B) (4) none of these
- 68.** By which name is the tribe the camel herder called in West Rajasthan ?
 (1) Bhakar (2) Faal
 (3) Bughal (4) Dhandi
- 69.** Where was Imperial Forest Research Institute established in 1906 ?
 (1) Dehradun (2) Calcutta
 (3) Udaipur (4) Bombay

- 70.** Which one of the following incidents happened first ?
 (1) Convocation of Estates General
 (2) Overthrow of the Jacobin Republic
 (3) Debates over socialism in Russia
 (4) Proclamation of the Weimar Republic
- 71.** When was the first one-day international cricket match between England and Australia played ?
 (1) 1971 (2) 1972
 (3) 1973 (4) 1974

- 72.** Approximately how much is land boundary of India ?
 (1) 15200 Km (2) 7516.6 Km
 (3) 6100 Km (4) 2000 Km
- 73.** What is 'X' in the following map ?
 (1) Jhelum River (2) Chenab River
 (3) Ravi River (4) Indus River
- 74.** How much is the length of Kaveri River ?
 (1) 1400 km (2) 1500 km
 (3) 860 km (4) 760 km

- 75.** Which one of the following is the characteristic of cold weather season in India ?
 (1) Warm days and Warm nights
 (2) Cold days and Cold nights
 (3) Warm days and Cold nights
 (4) Cold days and Warm Nights
- 76.** Match List-I and List-II and choose the correct code from the following:

List-I

List-II

- | | |
|--------------------|------------------|
| (A) Sunderbans | (i) Uttarakhand |
| (B) Nanda Devi | (ii) Tamil Nadu |
| (C) Gulf of Mannar | (iii) Karnataka |
| (D) Nilgiris | (iv) West Bengal |

Code:

- | | | | | |
|-----|----------|----------|----------|----------|
| | A | B | C | D |
| (1) | iii | ii | i | iv |
| (2) | ii | iii | iv | i |
| (3) | i | iv | iii | ii |
| (4) | iv | i | ii | iii |

- 77.** According to the Census 2001, a 'literate' person is one who
 (1) can read and write his/her name
 (2) can read and write in any language
 (3) knows the three-reading, writing & arithmetic
 (4) is above 7 years and can read and write any language with understanding.

- 78. Assertion (A):** Black soil has high capacity to hold moisture.
Reason (R) : Black soil develops in areas with high temperature and heavy rainfall.
 (1) Both (A) and (R) are true and (R) explains (A)
 (2) Both (A) and (R) are true but (R) does not explain (A)
 (3) (A) is true and (R) is false
 (4) (A) is false and (R) is true.
- 79.** Match List-I and List-II and choose the correct code from the following
- | | |
|------------------------|-----------------------|
| List-I | List-II |
| (A) Extinct species | (i) Nicobar Pigeon |
| (B) Vulnerable species | (ii) Asiatic Cheetah |
| (C) Endangered species | (iii) Black Buck |
| (D) Endemic species | (iv) Asiatic Elephant |
- Code:
- | | | | | |
|-----|-----|-----|-----|-----|
| | A | B | C | D |
| (1) | iii | ii | i | iv |
| (2) | ii | iv | iii | i |
| (3) | i | iii | iv | ii |
| (4) | iv | i | ii | iii |
- 80.** Based on the data provided which of the following crops is most probably indicated ?
 Equatorial crop having moist and humid climate, rainfall more than 200 cm, temperature above 25° C, main producer state is Kerala.
 (1) Coffee (2) Rubber
 (3) Jute (4) Sugarcane
- 81.** Which of the following cities is not connected with National Highway No. 8 ?
 (1) Delhi (2) Mumbai
 (3) Kolkata (4) Jaipur
- 82.** Nagecoil of Tamil Nadu is famous for
 (1) Solar Energy
 (2) Wind Power
 (3) Thermal Energy
 (4) Tidal Energy
- 83.** Which of the following statements about the relationship of Democracy and Human Rights is /are correct ?
 (A) When there is democracy then Rights are certain
 (B) Every democratic state gives rights to its citizens
 (C) Rights are not necessary for Democracy
 (D) Every country that gives rights to its citizens is a democratic country.
 (1) A, C, D (2) A, B
 (3) B, C (4) A, B, D
- 84.** Who acts as the Supreme Commandar of defence forces of India ?
 (1) The Chief of Air staff
 (2) The Chief of Army staff
 (3) The President of India
 (4) The Chief of Navy
- 85.** Choose the correct statement describing the word 'code of conduct':
 (A) A set of norms and guidelines to be followed by political parties
 (B) A set of norms and guidelines to be followed by candidates in Election
 (C) Guidelines for Election Commission
 (D) Compulsory voting for voters
 (1) A, C, D (2) A, B
 (3) B, C (4) C, D
- 86.** Which of the following statements properly define the 'Constitution' ?
 (A) Constitution protects the rights of citizens
 (B) It determines the functioning of governments
 (C) It determines the process of legislation
 (D) It decides the name of person who is going to be the President.
 (1) A, B, D (2) B, C
 (3) A, B, C (4) B, C, D
- 87.** Which one of the following is the Institution, functioning for International law, Security, Social equity and World peace ?
 (1) International Monetary Fund
 (2) United Nations Organisation
 (3) World Bank
 (4) None of these

- 88.** Who among the following was the pioneer, to abolish caste inequality and establish social harmony ?
(1) Sir Sayed Ahmed Khan
(2) Dadabhai Naoroji
(3) W. C. Bonerjee
(4) Dr. B. R. Ambedkar
- 89.** Select the mismatched statement given below:
(1) Democracy evolves through public struggles
(2) Peaceful and non-violent struggles strengthen democracy
(3) Democracy exists only through struggles
(4) Freedom of expression is the identity of democracy
- 90.** With reference to democratic system, which statements does not match ?
(1) Democracy and development go together
(2) Inequality does not exist under dictatorship
(3) Inequalities exist in democracy
(4) Democracy provides freedom of expression and livelihood
- 91.** There are some statements with reference to power sharing in Indian democratic system. Select the irrelevant statement:
(1) Participation of Public in general election
(2) Activeness of Gram Panchayat
(3) Activities of Army
(4) We participated in Gram Sabha
- 92.** Homogeneous Society means
(1) Similar kind of cultural heritage
(2) Exist Caste based differences
(3) Absence of community feeling
(4) Different kinds of living style of people
- 93.** Select the mismatched pair from the following names of organisation:
(1) Bhartiya Janata Party, Indian National Congress, Akali Dal
(2) Communist Party of India, Telugu Desam Party
(3) Akhil Bhartiya Vidyarthi Parisad, National Student Union of India
(4) Bahujan Samaj Party, Trinamool Congress
- 94.** Under 'Green Revolution' in India to increase the production of wheat and rice which of the following measures were adopted ?
(1) High Yielding varieties
(2) Chemical fertilizers
(3) Irrigation facilities
(4) All of these
- 95.** For Human Capital Formation investment is done in which of the following ?
(1) Education and medical care
(2) Education, training and medical care
(3) Education and entertainment
(4) Medical care and entertainment
- 96.** The accepted average calorie requirements per person per day for rural and urban areas in India are
(1) 2400 calories and 2100 calories
(2) 2100 calories and 2400 calories
(3) 2300 calories and 2000 calories
(4) 2000 calories and 2300 calories
- 97.** Annapurna Youjna was started in which year ?
(1) 1995 (2) 1996
(3) 2000 (4) 2004
- 98.** 'Human Development Report' is published by
(1) UNDP (2) UNESCO
(3) WHO (4) WTO
- 99.** With development in India, in production sector, the importance of which sector has increased?
(1) Primary sector
(2) Secondary sector
(3) Tertiary sector
(4) Primary and Secondary sectors.
- 100.** Globalisation has enabled which large Indian company to emerge as multinational company?
(1) Tata Motors (2) Infosys
(3) Ranboxy (4) All of these