

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2014

Conducted by : **AJMAL FOUNDATION, A Registered Public Charitable Trust**

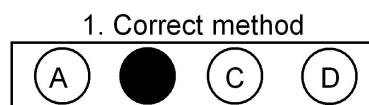
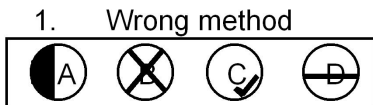
Hojai, Nagaon (Assam)

ANTSE/ V / 8000

Class / **æ ØÝf v**

INSTRUCTIONS TO CANDIDATE

1. Write your **CENTRE CODE AND ROLL NO.** legibly in the **OMR ANSWER SHEET ATTACHED.** Do not write your name anywhere in the **ANSWER SHEET.**
2. Questions are of multiple-choice type carrying one mark each and all questions are compulsory.
3. Candidates are required to mark the correct choice by shading the circle completely with blue or black ball point pen. (Pencil is not allowed). For example, if the correct answer to question no 1. Is 'B' then the marking should be:



4. Only one circle, i.e. the correct one should be shaded and not more than one.
5. A candidate having completed his/her **OMR ANSWER SHEET** must hand it over, even if blank, to the invigilator before leaving the Examination Hall.
6. An examinee must not bring any loose paper, book, etc. except the **ADMIT CARD** to the Examination Hall. Any examinee found in possession of even loose papers will be **EXPELLED.**
7. No extra sheet will be provided for making notes or calculations. **CANDIDATES MAY USE THE INNER COVER PAGES OF THIS BOOKLET FOR THIS PURPOSE.**
8. An examinee must not talk to, disturb or seek help from a fellow examinee during the examination.
9. Any mechanical or digital calculating device (calculator etc.) shall not be used by the examinee during the examination.
10. Mobile Phones shall not be used by candidates inside the examination Hall.
11. No candidate will be allowed to leave the Examination Hall during the first hour of the examination.
12. Contravention of any of the instruction mentioned above shall render a candidate liable for disciplinary action as per rule.

Y»Íl ùlÙ [yá]Xá/U ç¼ Y

- 1* Y»Íl ùlÙ 000 YyTöaIÇg_Éö ääö Ed00 äç_ X=ö Y»Íl ùlÙ ×_F [y EdaIç_XL» Xç] ×_×_F [y
- 2* Y0Ä]É=1 X=ö × [y r0 [ç × [Fó' [yöX Y^iö* aEö_ç Y0Ä 000 Eöç [yI]É Éö
- 3* Y»Íl ùlÙ CY»» K× [y É^ú=w»TöaVFC¾ç Wp»S XY_ç [y Ed_ç [y_ äYX» acé^Tö [y»öç Yb Eö» [y_çG [y^ äEöçXç Wp»S» EöPöäY×tu_ [y^çç» Eö» [yáXçç» [y^
- 4*]' [y+_ äZöX [y_ äEöçXç Wp»S» +ä_ Eö»XÉö aç_aLç_ Y»Íl ùlÙ GÉ:Ïö%çX [yáXçç» [y^
- 5* Y»Íl ùlÙ ç: Tö"AO»] EÖÉÜ» [yçä» YÜVÉ^ äEöçXç Wp»S» EöGL, ×ÉçY %çV %çX [yáXçç» [y %çXä_ Y»Íl ùlÙ GÉ» Y»ç [yçç» Eöç ç: [y
- 6* ×çç [y_ äEöç %çV ×_ ×_F [y_ %çTö»Np EöGL × [yçXç: [y Acç [y^FX» ä [y]çö ×äö» Yb [yçç» Eö» [yYç» [y
- 7* Y»Íl ùlÙ UEç_a] I^TöEöç_ GTöEÜç [yöç YçTö [y ac: Y»Íl ùlÙ Y»ç acé^ [yç» Eöçç_ [yNp Eö» [yáXçç» [y
- 8* Y»Íl ùlÙ äÉ_ÉÜ_ 00 %çV äEöçXç Wp»S» ^çÜÉöa [yç_ [yçç» Eö» [yáXçç» [y
- 9* Y»Íl ùlÙ GÉ» ×äöTöY»Íl ùlÙ]' [yç_ äZöX [yçç» Eöç ×äöV
- 10* Y»Íl ùlÙ ççPöäçç» YÜ] HÏ0 ä b äçççç_ äEöçXç Y»Íl ùlÙ [yçç_ C_ç [yáXçç» [y
- 11* 000äNp Xá/U ç¼ b^ × äEöçXç A00% çI Eöä_ ×I^]] äTö%çX çX] É Eö [y]çç_ ä_çç ç: [y

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2014

CLASS : V

Time : 2 Hours / দুই ঘণ্টা

Full Marks / পূর্ণমান / সাধারণ জ্ঞান (25+25+25+25)=100

General Knowledge / সাধারণ জ্ঞান / সাধারণ জ্ঞান

1. The Duleep Trophy is associated with
 V_Y Y BZo aF _ » _GTöL-QÖTö / V_Y Y BZo aF _öyaqU L-QÖTö
 (A) Football (B) Cricket (C) Badminton (D) Hockey
 ZÖfY yÖEÖ [yÖÖ]³ÖX c*EÖ

2. Prince Khurram was popularly known as :
 ^%öL Föc] Xcā] » LXcL cTö / [yL Yy Föc] Xcā] LXxYD*
 (A) Humayun (B) Akbar (C) Jahangir (D) Shah Jahan
 Ş]dX %EÖy / %EÖy LcÖfVö / LcÖfVö Şö=LcÖX / `cLcÖX

3. The Mississippi river lies entirely in :-
 x] öxY XVFX »]cā] » é[yöGāK* / x] » xY XVYÖÖcTöcf A[y] Wj »Vā*
 (A) Canada (B) The US (C) Brazil (D) Peru
 EöXÖ / EöXÖ %cā] » Eö / %cā] » Eö [yL_ äY»Ö / äY[y]

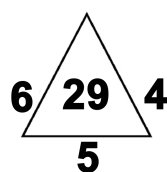
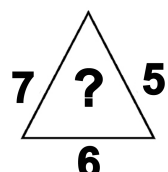
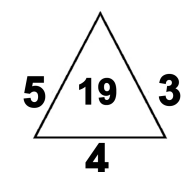
4. The chemical element recognized by the symbol 'C' is -
 'C' » öÖ [yLc/c » cā] » XEöā]i_ äö ecāK* / [yad » XEö=Yö/cX 'C' » öÖ yöc] [yö] ^*
 (A) Chlorine (B) Calcium (C) Carbon (D) Chromium
 zö»S / azö]S äEö »K[c] / äEö »a[c] Eö]X yÖ]r[c]

5. The snake that builds a nest for laying eggs :-
 äEöX [y] aöY EöY » » [y] y [y] » aöL ? / ä^ acY »ö] Yö]y LXi »äL [y] yac [y] xö^*
 (A) Python (B) Rattle snake (C) King Cobra (D) Anaconda
 %L G » / YcUX ä»ö_ acY / ä]ö_ EäÖEö »cL äZÖY / »Eö äEö]ö %öX EöÖ

6. In the human body contains the nephrons that filters the water content of blood every 45 minutes.
]cX/ä/cTöUEö TöäZÖK UöEö^ä YÖö45 x] » XÖTöäTöUEö YcX » XEöY » Ö]S Eö »*
]cX [y] a/c] y %cā] » äZÖK UöEö^c YÖö45 x] » äö] y [y] L_ Y %e` äEöY [y] ö]S Eö]y
 (A) Liver (B) Kidney (C) Heart (D) Stomach
 ^EÖö [yö cÖ » y%ö YcÖö_Y

7. Pointing out to a lady, Rajen said, "She is the daughter of the woman who is the mother of the husband of my mother". How is the lady related to Rajen ?
 »cā] äX ALXY] » c: cEö äVÖc+ Eö, ""A+LXY äa+] » c: cLXY» L] » Eö » LXY ä] »] » Ö] »]c"*] » c: cLXY » cā] X » » Eöcf ?
 AEd X] » c: cEö äVÖc+ Fä [y] L X [y, "" » X äa+] » c: dY EÖKic » X %c] dY] cā] [y] Ö] » [y]]c"-] » c: cÖ] yL äX [y] » Eöcf ?
 (A) Grand daughter (B) Daughter (C) Sister (D) Aunt
 XcTÖY / äYiy L] » Eö / EÖKic \ÖY / ä]yX äYcY / »Yal

8. Find the missing number :



- (A) 25 (B) 37 (C) 41 (D) 47

9. Arijit Singh, the singer of 'Tum Hi Ho' from 'Ashiqi-2', hails originally from the state of :

- (A) Punjab (B) West Bengal (C) Uttar Pradesh (D) Maharashtra

10. The book 'Train to Pakistan' is authored by :

- (A) N. C. Choudhury (B) Chetan Bhagat (C) Amitabh Ghosh (D) Khushwant Singh

11. first addressed Mahatma Gandhi as 'Father of the Nation' :

- (A) Subash Ch. Bose (B) Rabindranath Tagore (C) Bal Gangadhar Tilak (D) Jawaharlal Nehru

12. The 'Loktak Lake' is in the state of :

- (A) Jammu and Kashmir (B) Himachal Pradesh (C) Arunachal Pradesh (D) Manipur

13. CNG stands for :

- (A) Converted Natural Gas (B) Conduced Natural Gas (C) Conducted Natural Gas (D) Compressed Natural Gas

14. Which of these neighbouring countries of India is the smallest in terms of area ?

- (A) Myanmar (B) Bhutan (C) Nepal (D) Sri Lanka

15. Valmiki composed the Ramayana on the banks of the

- (A) Sarayu (B) Ganga (C) Tamsa (D) Alakananda

16. Which of these personalities has won both a Nobel prize and an Oscar ?
 Tõ » àEòXLX [y^A]á^ Xá[y_ Yç•õ» %ç0%•õ» - A+ Vò^ç[y]y [õ» »[j]L Tõ ?
 Xòá[y]áEòX [y^A]òá^ Xá[y_ Yç•õ» %ç0%•õ» - A+ Vò^ç[y]y »[j]L Tõ ?
 (A) Pearl S. Buck (B) Ernest Hemingway (C) G. B. Shaw (D) T.S. Eliot
 Yç_iAò [y]EòYç_iAa [y]Eò %ç0%•õ» / %ç0%•õ» »[j]L Tõ
17. The planet that has the strongest magnetic force :
 %ç0%•õ» TõEòá[y]ç•õ» »[j]L Tõ »[j]L Tõ »[j]L Tõ »[j]L Tõ / à^ Gòç [y]y [õ]Eò [p`^]A] a [yç+ãTõá[y] Yf
 (A) Jupiter (B) Mars (C) Neptune (D) Saturn
 [yç+ãTõá[y] Yf]t_ àYç
18. If you have the GPS service enabled on your phone, which of these would you be able to do ?
 à [y]ç+TõGPS àá%ç» a [y]ç+TõGPS àá%ç» a [y]ç+TõGPS àá%ç» a [y]ç+TõGPS àá%ç» ?
 ^»[ãTõ]á[y]ç+TõGPS àá%ç» a [y]ç+TõGPS àá%ç» a [y]ç+TõGPS àá%ç» Xòá[y]áEòX EòL »Eò [y]ç+TõGPS àá%ç» ?
 (A) Listen to songs (B) Enable chatting (C) Navigate (D) Watch TV
 Gç E Xç EòLç [y]ç+TõGPS àá%ç» »[j]L Tõ »[j]L Tõ »[j]L Tõ »[j]L Tõ
 Gç á çç %ç_çY Eò [y]ç+TõGPS àá%ç» [y]ç+TõGPS àá%ç» »[j]L Tõ »[j]L Tõ »[j]L Tõ »[j]L Tõ
19. ISRO launched its Mars Orbiter Mission or Mangalayan in Nov, 2013 from :
 +k»+ 2013 \$X» Xá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 +á [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» =dál úX Eò»*
 +á [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» =dál úX Eò [y]ç+TõGPS àá%ç» àUáEò*
 (A) Thumba (B) Sri Harikota (C) Balasore (D) Chandipur
 Uç [y]ç+TõGPS àá%ç» / [y]ç+TõGPS àá%ç» [y]ç+TõGPS àá%ç» / [y]ç+TõGPS àá%ç» \$ç»VYç / \$ç»VYç
20. Bees and mosquitoes create a loud buzzing noise by :
 à [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» / à [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 (A) Rubbing of legs (B) Blinking of eyes (C) Vibrations of Antennae (D) Beating of wings
 a [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» E»[ãTõ]á[y]ç+TõGPS àá%ç»
 Yá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» Aá [y]ç+TõGPS àá%ç» Eò [y]ç+TõGPS àá%ç»
 Qç [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» Qç [y]ç+TõGPS àá%ç»
21. The motto depicted in our National symbol is :
 \»Tõ LçTõ^ YòEòTõUçç XYTõá [y]ç+TõGPS àá%ç» c: / \»Tõ LçTõ^ YòEòTõUçç XYTõá [y]ç+TõGPS àá%ç» c: f
 (A) Satyameva Jayate (B) Athithi Devo Bhaba (C) Basudeiva Kutumbakam (D) None of these
 aTõá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 aTõá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 aTõá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
22. Sanskrit is one of the official languages of
 ae•õTõ »çLi» %XiTõ \$òEòY \»Tõ [y]ç+TõGPS àá%ç» / ae•õTõ [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 (A) Bihar (B) Uttar Pradesh (C) Uttarakhand (D) Madhya Pradesh
 [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 =w» Yò / =w» [y]ç+TõGPS àá%ç» =w» [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 =w» [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
23. The highest mountain peak in India is :
 \»Tõ àá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» / \»Tõ àá [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 (A) Everest (B) Nanda Devi (C) Kanchanjunga (D) Yamunotri
 A\»[ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 X^Vç [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 Eç [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»
 ^]çç [y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç» [ççTõ] t_ %»[ãTõ]á[y]ç+TõGPS àá%ç»

24. The Prime Minister of attended the Indian Republic Day, 2014 as the Chief Guest.
..... » YUx]U#2014 \$X» \D>T> GSTÜeV%a»]Fi %>TöU %ÖK:- *
..... A[y YUx]U#2014 aaX[y \d]at]yGXTÜeV[yaly]Fi %>TöU *Kä_X*
- (A) England (B) Japan (C) Italy (D) Malaysia
+eä_%# LçYÇ +Ü_Y]c_ä>Kfç]c_ä>rc
25. The company that has recently acquired mobile messaging service 'WhatsApp' -
%_Yätöa]çy+ [yTöaa%ç'WhatsApp'>ÖX ä çç äEç]YçKäÜecäK:-.....
ä^ äEç]YçKäÜecäK_ä]çy+ [yTöaa]ç'WhatsApp'>ÖX äXr.....
- (A) Google (B) Twitter (C) Yahoo (D) Facebook

General English

26. Choose the correct noun form in the following sentence :
Mastering basic computer skills is an important goal for younger students.
(A) Mastering (B) Important (C) Younger (D) Students
27. Each person in the room turned head to the front when the guest entered.
(A) their (B) her (C) his (D) none of the above
28. The two words given in the question have a certain relationship. Select the pair which has the same relationship.
AFTER : BEFORE
(A) First : second (B) Present : Past
(C) Contemporary : Historic (D) Successor ; Predecessor
29. The grammatically correct response to the question "Are there many students in the hall ?" is :
(A) Yes, they are (B) No, they aren't (C) Yes, there are (D) No, there aren't.
30. You play tennis I do.
(A) better than (B) more well than (C) more good than (D) more well
31. When two things are very alike, we say they are the each other.
(A) same with (B) same as (C) same like (D) same about
32. Mrs. and Mr. Bora dinner at the moment.
(A) is having (B) are having (C) are eating (D) b & c are correct
33. The bomb when he started the car.
(A) went over (B) went on (C) went out (D) went off
34. He made me for an hour.
(A) to wait (B) wait (C) waiting (D) waited

35. "You are good nothing" , the mother shouted at the boy.
(A) at (B) on (C) for (D) with
36. Fill the bottle hot water.
(A) in (B) by (C) with (D) of
37. The given sentence in Direct Narration has four choices in Indirect Narration. Choose the correct one.
He said, " I must go now".
(A) He said that he must go then. (B) He said that he had to go then.
(C) He said he must go now. (D) He said that he had to go now.
38. All of them are jealous of
(A) one another (B) each other (C) themselves (D) them
39. He is junior Ashok.
(A) than (B) to (C) from (D) with

Pick out the word that is opposite in meaning (antonym) to the word given in bold capitals : (40 & 41)

40. My grandfather has become very **FEEBLE**.
(A) Strong (B) Weak (C) Fat (D) Lean
41. The girl was fined for her **UNRULY** conduct.
(A) Dirty (B) Noisy (C) Orderly (D) Disobedient

Pick out the word that is most similar in meaning (Synonym) to the word given in bold capitals : (42 & 43)

42. Deforestation destroys the **HABITAT** of many species of animals and birds.
(A) Locality (B) Habits (C) Area (D) Home
43. The **ABRUPT** stopping of the car annoyed us.
(A) Sudden (B) Violent (C) Irritating (D) Noisy

The following sentences are divided in to three parts and each part is underlined and marked a,b,c. Only one part contains an error. Identify the error part. If there is no error, mark it (D)..

44. He came across with a beggar. No error.
(A) (B) (C) (D)
45. I know how to start the engine but do not know to stop it. No error.
(A) (B) (C) (D)
46. He says that he has a car beside a scooter. No error.
(A) (B) (C) (D)

From the given sentences pick up the correct one :

47. (A) Wait here until I donot come back (B) wait here as long as I come back
(C) Wait here still I come back (D) Wait here until I come back

48. (A) My brother goes to school everyday (B) My brother is going to school everyday
(C) My brother has been going to school everyday (D) My brother has gone to school everyday
49. (A) K.K. Handique is a man of little words (B) K.K. Handique is a man of few words
(C) K.K. Handique is a man of many a words (D) K.K. Handique is a man of much words
50. 'VI' is the Roman number of 'English 6'. Then what is the Roman number of 66 ?
(A) VIVI (B) LX (C) LXV (D) LXVI

General Maths / সাধাৰণ গণিত / সাধাৰণ গণিত

51. $0.05 \times 0.09 \times 5 = \dots\dots\dots$
(A) 0.025 (B) 0.225 (C) 0.005 (D) 0.0225
52. What is the angle between two hands of the clock at 2 : 30 ?
2 : 30 [যলৈচিহ্নৰ] এণ্ড [যলৈচিহ্নৰ]ৰ মাজত কিমান ডিগ্ৰীৰ কোণ আছে? / ২ : ৩০ [যলৈচিহ্নৰ] এণ্ড [যলৈচিহ্নৰ]ৰ মাজত কিমান ডিগ্ৰীৰ কোণ আছে?
(A) 100° (B) 105° (C) 120° (D) 110°
53. Identify the largest value among the options given below :
তলত দিয়া বিকল্পবোৰৰ মাজত সৰ্বাধিক মানটো চিনাক্ত কৰা। / খনিৰ মাজত সৰ্বাধিক মানটো চিনাক্ত কৰা।
(A) $\frac{4}{5}$ (B) 80% (C) $0.2 \times 0.2 \times 0.2$ (D) 0.9×0.9
54. An angle which measures more than 0° and less than 90° is called
 0° ৰ তুলনাত বেছি আৰু 90° ৰ তুলনাত কম মাপৰ কোণক কোণ বোলা হয়। / 0° ৰ তুলনাত বেছি আৰু 90° ৰ তুলনাত কম মাপৰ কোণক কোণ বোলা হয়।
(A) obtuse (B) acute (C) right (D) straight
[অক্ষুণ্ণ] [কোণ] [সোঁৱণ] [কোণ] [কোণ] [কোণ]
55. A triangle is formed by joining three points.
তিনিগুটি বিন্দুৰে যোগ কৰি ত্ৰিভুজ গঠিত হয়। / তিনিগুটি বিন্দুৰে যোগ কৰি ত্ৰিভুজ গঠিত হয়।
(A) collinear (B) non-collinear (C) equal (D) none of these
[সৰল] [অসৰল] [সমান] [কোনোটিও নহয়]
56. How many edges does a cube have altogether ?
এটা ঘনকৰ মুঠ কিমানটি বাহু আছে? / এটা ঘনকৰ মুঠ কিমানটি বাহু আছে?
(A) 6 (B) 8 (C) 9 (D) 12
57. With perimeter 16 m how many rectangles can be formed ?
১৬ মিটাৰ পৰিধিৰে কিমানটি চক্ৰাকৃতিৰ আকৃতি গঠিত কৰা যাব পাৰিব? / ১৬ মিটাৰ পৰিধিৰে কিমানটি চক্ৰাকৃতিৰ আকৃতি গঠিত কৰা যাব পাৰিব?
(A) 8 (B) 4 (C) 3 (D) None of these
[কোনোটিও নহয়] [কোনোটিও নহয়]

58. X's salary is 50% more than Y's. How much percent is Y's below X's?

X » V»] cç Y TëEö50% ä[yk=cä_ Y » V»] cç X TëEöEö]ç `Tç` Eö] ?

X A[yä[yTç Y äJäEö50% ä[y Ycä_ Y A[yä[yTç X äJäEöEö]ç ?

- (A) 50% (B) $33\frac{1}{3}\%$ (C) 75% (D) None of these
Açç Xç / AEöç Xç

59. How many of these statements are true?

Tö TöVç » Npç [y Eö » Eö]ç Xç aTö ? / Xç Vç Cç » Npç [y Eö » Eö]ç aTö ?

(i) $12 \div \frac{1}{2} = 6$	(ii) $3\% = 0.3$	(iii) $\frac{1}{7} < \frac{1}{9}$	(iv) $0.2 \times 0.4 = 0.8$
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- (A) One (B) Two (C) Three (D) None of these
Açç / AEöç Vçç / Vçç XçXç / XçXç Açç Xç / AEöç Xç

60. On what sum of money lent out at 9% per annum for 6 years does the simple interest amount to Rs. 810?

Eö]É Vç » [Kç 9% çç 6 [Kç » a_ aTö810 OEç çç[y? / äEç]É Vç [Kç 9% çç 6 [Kç]ä[y aV 810 OEç çç[y?

- (A) Rs. 500 (B) Rs. 1,250 (C) Rs. 750 (D) Rs. 1,500

61. A brick weighs $\frac{3}{4}$ the weight of itself plus $\frac{3}{4}$ kg. The weight of the brick (in kg) is

Açç + Açç CLX + Açç $\frac{3}{4}$ %e » CLX äç $\frac{3}{4}$ » Eç Gç çä (» Eç Gç] Tö) + Açç CLX çç[y*

AEöç + Açç CLX + Açç $\frac{3}{4}$ %eä [y CLX ç $\frac{3}{4}$ » Eç Gç A[yä]ç çä + Açç CLX çç[y*

- (A) 2 (B) 2.5 (C) 3 (D) 2.75

62. What is the value of $m + m - 3$ when $m = 4$?

^V m = 4 çç, äTäU m + m - 3 »]ç Eö]ç ? / ^V m = 4 çç, Tö[y m + m - 3 A[y]ç Eöö?

- (A) 1 (B) 5 (C) 11 (D) 13

63. Which of the following is equivalent to $3\frac{3}{4} + 1\frac{1}{2}$?

Tö » äEçXäç $3\frac{3}{4} + 1\frac{1}{2}$ » a]Tö î ? / Xç Vç EçXç $3\frac{3}{4} + 1\frac{1}{2}$ A[yä]Tö î ?

- (A) $4\frac{1}{4}$ (B) $4\frac{3}{4}$ (C) $5\frac{1}{4}$ (D) $5\frac{3}{4}$

64. How many 10 thousands are equal to 800,000?

Eö]çXç 10 çç »]ç 800,000 çç ? / Eöç 10 çç [y »]ç 800,000 çç ?

- (A) 8 (B) 80 (C) 800 (D) 8,000

65. Which of the following is in descending order?

Tö » äEçXäç %Wç y] Töçççç ? / Xç Vç EçXç %Wç y] %çççç ?

- (A) 0.34, 0.29, 0.4, 0.04 (B) 0.04, 0.4, 0.29, 0.34 (C) 0.4, 0.34, 0.29, 0.04 (D) 0.29, 0.34, 0.04, 0.4

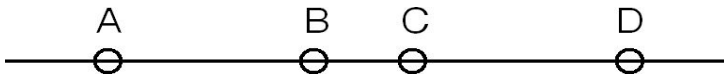
66. Which of the following is a true statement?
 Tõ » aEçXaC = Np aTõ ? / XaVyaEç = Npõ aTõ ?

- (A) Parallel lines always intersect
 a]d]Bç_ à»Fç aVd^ aV çf
 a]d]Bç_ à]Fç a]ç aV çf
- (B) Intersecting lines are never parallel
 aV Eõç à»Fç aEõTõ C a]d]Bç_ Xçf
 aV cEç à]Fç a]ç aV çf Xç
- (C) Perpendicular lines never intersect
]b à»Fç aEõTõ C aV XEõ
]b à]Fç EçXC aV çf Xç
- (D) Intersecting lines are always perpendicular
 aV Eõç à»Fç aVd^ _]b
 aV cEç à]Fç a]ç_ aVd^ _]b

67. A car travels at a speed of 45 km/h. How far will it travel in 36 minutes?
 AFX]õ» Gõ 45 Eç x]f/Hõ a]çGà» GõTõEõ»à 36 x]XõõõEõ]ç Võ»TõYõ] Eõ»]y?
 AEõõ]õ]Gõ 45 Eç x]f/ Hõ a]çG_ 36 x]XõõõEõ]ç^ç]y?

- (A) 27 k.m. (Eç x]f) (B) 20 k.m. (Eç x]f) (C) 36 k.m. (Eç x]f) (D) 45 k.m. (Eç x]f)

68. If AC=10 m, BD=15 m, AD=22 m in the figure below, then the length of segment BC is equal to
 Tõ TõVç_ à]y Tõ^V AC=10 x]õ», BD=15 x]õ», AD=22 x]õ» çf àTõ]BC à»FçFõ»]ç ç]y.....*
 XõõõVçç_ à]y ^V AC=10 x]f, BD=15 x]f, AD=22 x]f çf, Tõ]BC à]FçFõ»]ç ç]y.....*



- (A) 1 m (x]f) (B) 2 m (x]f) (C) 3 m (x]f) (D) 4 m (x]f)

69. If 4 m and 7 m are the lengths of two sides of a triangle, then the length of the third side would probably be
 ^V Aõç_ à]ç_ Võç]çS» àLç 4 x]õ» %õ07 মিটার হয় তেন্তে তৃতীয় বাহুর সম্ভাব্য জোখ হবে।
 ^V AEõõ_ à]ç_ Võç]çS]çY 4 x]f C 7 x]f çf Tõ]ç তৃতীয় বাহুর সম্ভাব্য মাপ হবে।

- (A) 6 m (x]f) (B) 11 m (x]f) (C) 12 m (x]f) (D) 13 m (x]f)

70. The weight of 3 apples and 2 oranges is 255 g. The weight of 2 apples and 3 oranges is 285 g. If each apple weighs the same and each orange weighs the same, what is the combined weight of 1 apple and 1 orange?
 3 õç_ ç]ç_ %õ02 õçEõ]_ ç CLX 255 Gõ] * 2 õç_ ç]ç_ %õ03 õçEõ]_ ç CLX 285 Gõ] * ^V Yõõõõç_ ç]ç_ CLX a]çç_ %õ01 YõõõõçEõ]_ ç CLX a]çç çf àTõ]õõ õç_ ç]ç_ %õ01 õçEõ]_ ç =e]çTõç CLX Eõ]ç?
 3 õç_ ç]ç_ C 2 õçEõ]_ ç CLX 255 Gõ] * 2 õç_ ç]ç_ C 3 õçEõ]_ ç CLX 285 Gõ] * ^V Yõõõõç_ ç]ç_ CLX a]çç C YõõõõçEõ]_ ç CLX a]çç çf Tõ]ç 1 õç_ ç]ç_ C 1 õçEõ]_ ç CLX Eõ]çç]ç?

- (A) 110 g (Gõ]f) (B) 108 g (Gõ]f) (C) 105 g (Gõ]f) (D) 104 g (Gõ]f)

71. $12.500 + 8.75 + 2.25 = \dots\dots\dots$

- (A) 23.500 (B) 13.600 (C) 13600 (D) 23.050

72. $40 + 3 + \frac{2}{10} + \frac{0}{100} + \frac{8}{1000} = \dots\dots\dots$

- (A) 40.28 (B) 43.208 (C) 43.28 (D) none of these
 Aõç Xçf/ AEõõç Xç

73. The average of 0.3, 0.03 and 0.003 is

- 0.3, 0.03 %õ00.003 » Gõõççç:..... / 0.3, 0.03 A]ç 0.003 A]çGõõçç:.....*
 (A) 0.3 (B) 0.1 (C) 0.111 (D) 0.333

74. All prime numbers are

- aEõ_ ç]ç]ç_ EõaeFçç_ / aEõ_ à]ç]ç_ EõaeFçç_*
 (A) even numbers (B) odd numbers (C) composite numbers (D) none of these
 ^ç]çaeFçç_ %^ç]çaeFçç_ à^çEõaeFçç_ Aõç Xçf/ AEõõç Xç

75. The longest chord of a circle is
- (A) radius (B) arc (C) diameter (D) none

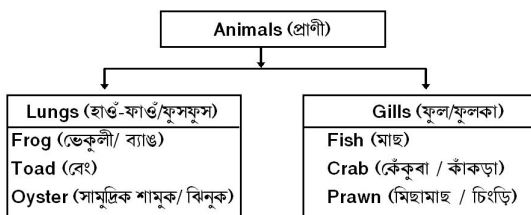
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76. The diagram below shows a part of the skeletal system.



Which part of the body does these bones protect ?

- (A) Brain (B) Kidneys (C) Spinal cord (D) Lungs
77. Mina had a list of animals that live in water. She classified them on their breathing methods. Which of the following is wrongly classified ?



- (A) Toad (B) Oyster (C) Crab (D) Prawn
78. When a stone is thrown up in the air, it will come down after sometime because of
- (A) electrical force (B) frictional force (C) magnetic force (D) gravitational force
79. Primarily, air pollution is caused by
- (A) insecticides (B) sewage (C) smoke (D) loud speaker

80. A natural pesticide or biological pesticide is

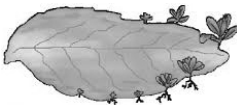
(A) DDT (B) neem (C) baygon spray (D) naphthalene

81. Which of the following food chain is in correct order ?

(A) Snake → bird → plant → grasshopper (B) Plant → grasshopper → bird → snake

(C) Grasshopper → plant → bird → snake (D) bird → grasshopper → plant → snake

82. The figure shows the leaf of a plant.



What additional function is performed by the given leaf ?

(A) Respiration (B) Reproduction (C) Excretion (D) none of these

83. Which of the following animals does not reproduce by laying eggs ?

(A) sparrow (B) Lizard (C) Butterfly (D) None of these

84. Which of the following seeds is dispersed by wind ?

(A) Coconut (B) Madar (C) Mango (D) None of these

85. Which of the following plant parts play the role of protecting seeds ?



86. An electrical fire should not be put out by using water since there is a danger of

(A) burning (B) electrocution (C) fracture (D) spreading

92. Millions of years ago, the earth consisted of dense forests. When the plants and animals died, they got covered by sand and mud and slowly decayed to form
- (A) quartz (B) granite (C) coal (D) mica
93. Which of the following is an example of sedimentary rock ?
- (A) Marble (B) Granite (C) Sandstone (D) Pumice
94. Which of the following is not a form of energy ?
- (A) Gravity (B) Light (C) Sound (D) Electricity
95. Frictional force always reduces
- (A) speed (B) velocity (C) acceleration (D) time
96. Rust forms on
- (A) tin (B) copper (C) iron (D) lead
97. When heat is supplied to molecule their energy increases.
- (A) potential (B) kinetic (C) electrical (D) chemical
98. Choose the only star from the following ?
- (A) Sun (B) Earth (C) Uranus (D) None of these
99. The rate of evaporation is affected by -
- (A) Wind (B) Temperature (C) Humidity (D) All of these
100. Oxygen : Burn :: Carbon dioxide : ?
- (A) Isolate (B) Foam (C) Extinguish (D) Explode

XXXXXX