

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2014

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

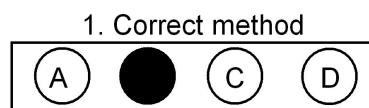
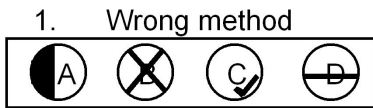
Hojai, Nagaon (Assam)

ANTSE/ X/ 3200

Class / **æ ØÝf X**

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»Ŷİ ũŴŪ [yā]y>Xā/Ū ç¼ Y

- 1* Y»Ŷİ ũŴŪ ŐŐ YyTöatCg_ēō āŕŕŕ EđŪ āç X=ō Y»•ŕ•ēō×_F[y Edatç_XL» Xç] X×_F[y
- 2* YŪĀ]É:1 X=ō {ȳ rō[ſ̄ {Fŕ' [yōX Y^ŭŕ* aEō_c YŪĀ ŐŐ Eōç [ŵŶŕ]É Eđ
- 3* Y»Ŷİ ũŴŪ CY»» K+{ȳ E^ū=wŕTöāVFC¾ç WŕāS XY_c [ç Eđ_c [y_ āYX» acđ^Tō[yŵŪç Yſ Eō»[y_cG[y* āEōāXç WŕS» EŕPöāYçŭ_ [y¾çç» Eō»[yāXçç»[y*
- 4*]' [ç+_ āZçX [ç āEōāXç WŕS» +ā_EŕŕXEō aç_aLŕ Y»Ŷİ ç GÉ:ŕŕŕ%çX[yāXçç»[y*
- 5* Y»Ŷİ ç ç_ Tŕ"AOŕ] ŐŐEŕŕŕ [yçā YŪŶİ āEōāXç WŕS» EŕGL, EđçY %çV %çX[yāXçç»[y %çXā_ Y»Ŷİ ç GÉ» Y»ç [yçç» Eōç ç: [y
- 6* çſç[yçāEçç%çV ×_F[y_ %çŕŕŕNŕEŕGL ŵŶçXç: [y Acŕ[yçFX» ā[yŕŕŕŕŕ ŵŶç [yçç» Eō»[yYç»[y
- 7* Y»Ŷİ ç ſç_ UEç a]ŕTŕEçç_ GTŕEŕç [yçç YçTŕŕç ac: Y»Ŷİ ũŴŪ Y»ç acđ^ [yç» Eççç_ [yNŕEō»[yāXçç»[y
- 8* Y»Ŷİ ũŴŪ āēō Eŕŕŕŕ %çV āEōāXç WŕS» ^çŪEŕāçç_ [yçç» Eō»[yāXçç»[y
- 9* Y»Ŷİ ç GÉ» ŵŶŕTŕŕY»Ŷİ ũŴŪ]' [yçç āZçX [yçç» Eōç XāŵŶ
- 10* Y»Ŷİ ç %çPŕŕççç» YŪ] Hŕŕŕ ā b āççççç_ āEōāXç Y»Ŷİ ũŴŪ [yççç_ C_ç[yāXçç»[y
- 11* ŐŐŕŕŕŕŕ Xā/Ū ç¼ ſ̄ ç āEōāXç Aŕŕŕŕ] çŶi Eō»ā_ XŶ]] āŕŕŕŕŕççX]É Eŕŕŕŕ ççç ç: [y

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2014

CLASS : X

Time : 2 Hours / দুই ঘণ্টা

Full Marks / পূর্ণমার্ক (25+25+25+25)=100

General Knowledge / সাধাৰণ জ্ঞান / সাধাৰণ জ্ঞান

- May 25 is observed as :
 25 মে' দিনটি _____ দিনটি _____

(A) World Asthma Day (B) World Red Cross Day (C) World Milk Day (D) World Thyroid Day

(A) বিশ্ব অস্টিমা দিন (B) বিশ্ব রেড ক্রস দিন (C) বিশ্ব দুগ্ধ দিন (D) বিশ্ব থাইরয়েড দিন
 বিশ্ব অস্টিমা দিন (B) বিশ্ব রেড ক্রস দিন (C) বিশ্ব দুগ্ধ দিন (D) বিশ্ব থাইরয়েড দিন
- Mahatma Gandhi first started his Satyagraha in India in :
 মহাত্মা গান্ধীয়ে ভারতের _____ ত প্রথমে সত্যগ্রহ আরম্ভ করিছিল।

মহাত্মা গান্ধী সত্যগ্রহ ভারতে প্রথম শুরু করেন :
 (A) Ahmedabad (B) Bardoli (C) Champaran (D) Kheda
 অহমেদাবাদ (B) বারদলী (C) চম্পারান (D) খেদা
 অহমেদাবাদ (B) বারদলী (C) চম্পারান (D) খেদা
- The largest population of Scheduled Tribe is in the state of
 _____ সচিবায়িত জনসংখ্যা সর্বোচ্চ _____

(A) Himachal Pradesh (B) Madhya Pradesh (C) Arunachal Pradesh (D) Sikkim

হিমাচল প্রদেশ (B) মধ্য প্রদেশ (C) অরুনাচল প্রদেশ (D) সিক্কিম
 হিমাচল প্রদেশ (B) মধ্য প্রদেশ (C) অরুনাচল প্রদেশ (D) সিক্কিম
- The author of 'You Can Win' is :
 "You Can Win" এর লেখক _____

(A) Arun Shouri (B) V.S. Naipul (C) APJ Abdul Kalam (D) Shiv Khera

আরুণ শুরী (B) V.S. নাইপুল (C) এপি জে আব্দুল কলাম (D) শিব খেরা
 আরুণ শুরী (B) V.S. নাইপুল (C) এপি জে আব্দুল কলাম (D) শিব খেরা
- The Headquarters of the UNICEF is in :
 "UNICEF" এর সদর দপ্তর _____

(A) New York (B) The Hague (C) Paris (D) Moscow

নিউয়র্ক (B) হ্যাগ (C) প্যারিস (D) মস্কো
 নিউয়র্ক (B) হ্যাগ (C) প্যারিস (D) মস্কো
- The international organization that has the motto 'Great Sport, Great Spirit' is :
 _____ এর মন্ত্র "Great Sport, Great Spirit"।

(A) International Olympic Association (IOA) (B) FIFA
 আন্তর্জাতিক অলিম্পিক সমিতি (B) ফিফা
 আন্তর্জাতিক ক্রিকেট কাউন্সিল (D) আন্তর্জাতিক হকি ফেডারেশন (IHF)
- If the official name of China is 'People's Republic of China', how do we better know the country 'Republic of China' ?
 চীনের আনুষ্ঠানিক নাম "People's Republic of China", তবে আমরা চীনের "Republic of China" কে কীভাবে জানি?

(A) Bhutan (B) Myanmar (C) Taiwan (D) Tibet

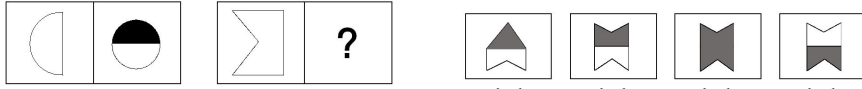
ভুটান (B) মায়ানমার (C) তাইওয়ান (D) তিব্বত
 ভুটান (B) মায়ানমার (C) তাইওয়ান (D) তিব্বত

8. The recently constructed international cricket stadium at Barsapara, in Guwahati has been named after :

- (A) Bhupen Hazarika
 (B) Lakshminath Bezbaruah
 (C) Sachin Tendulkar
 (D) Rajiv Gandhi

বাজীৰ গান্ধী / ৰাজীৱ গান্ধী

9. Complete the series : / \ . _ a Q Y B i E o c f / \ . _ c o Y B i E d y f -



10. Ramon Magsaysay Award is named after the former President of :

- (A) Indonesia
 (B) Malaysia
 (C) Thailand
 (D) Philippines

11. A bee-sting leaves an acid which causes pain and irritation. The injected acid is :

- (A) Acetic Acid
 (B) Sulphuric Acid
 (C) Citric Acid
 (D) Methanoic Acid

12. Who among the following Nobel Prize winners was not an Indian Citizen ?

- (A) Subramaniam Chandrashekar
 (B) C.V. Raman
 (C) Mother Teresa
 (D) Rabindranath Tagore

13. Who can cast their votes by postal ballot ?

- I. Members of the Armed Force
 II. Officials on election duty
 III. Foreign Service personnel when posted abroad
- (A) I and III
 (B) II and III
 (C) only III
 (D) I, II and III

14. The four districts in the state of are named after cardinal direction.

- (A) Haryana
 (B) Mizoram
 (C) Goa
 (D) Sikkim

32. Never before so many people in India been interested in football.
(A) has (B) have (C) were (D) had
33. Any **unilateral** action is a undertaking.
(A) world-wide (B) cooperative (C) one-sided (D) malicious
34. more to be pitied than blamed.
(A) The uneducated are (B) The uneducated is (C) Uneducated are (D) Uneducated is
35. I hear that you're having a house built. Is it finished yet? " No, but it's completion.
(A) nearly to (B) almost at (C) close to (D) about at
36. I shall not be late for dinner
(A) if the train is late (B) unless the train will not be late
(C) unless the train will be late (D) unless the train is late
37. " You won't find if you don't look "
(A) anything, anywhere (B) nothing, anywhere
(C) anything, nowhere (D) nothing, nowhere
38. Please send a "note" to the members of the council. You should them of the date of the next council meeting. The should reach them this week.
(A) notice, notice (B) notify, notary (C) notify, notice (D) notify, notification
39. Both the girls are suffering, one fever and the other her follies.
(A) with, for (B) with, from (C) of, for (D) from, for
40. A few people knew the answer,
(A) isn't it? (B) don't a few? (C) didn't they? (D) didn't a few?
41. The word mis-spelt in the following options is
(A) ecstasy (B) maintainance (C) enmity (D) Mississippi
42. The latin phrase 'Magnum Opus' means :
(A) a popular opera (B) a great work of art
(C) mode of doing something (D) a chemical used in operation
43. The leader's **frivolous** remark was resented by the people. **Frivolous** means :
(A) frugal (B) carefree (C) mature (D) light
44. The M.L.A's **callous** attitude to the genuine grievance of the people was highlighted by the media. **Callous** means :
(A) soft (B) caring (C) insensitive (D) dangerous

45. The recent events in western Assam are **ominous** for the state. The opposite meaning of "**ominous**" is :
(A) dangerous (B) fearful (C) eminent (D) auspicious
46. Most of the students in this school are **mediocre**. The opposite meaning of "**mediocre**" is :
(A) excellent (B) medium (C) dull (D) average
47. The secretary of our students' union started **jumping the gun** before the budget came in to his hands. The meaning of the idiom "jumping the gun" means :
(A) begin preparations properly (B) get tensed
(C) start something too soon (D) plan the wrong way
48. He lives in an **ivory tower** but talks as if he knows everything about politics. The meaning of the phrase "ivory tower" is :
(A) live a wealthy life (B) aloof from realities of life
(C) lonely person with no friends (D) silent person

In the following questions you are required to find the most suitable word given in the options to replace both the words in **bold italics** in the two sentences. Choose the option which can be used in place of the italicized words in both sentences

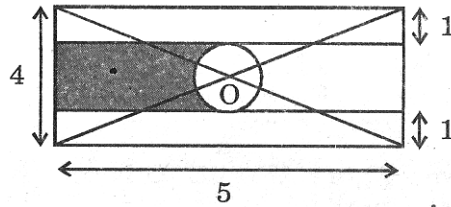
49. Sentence I : Swarup's **intelligent** mind often got him out of tight spots.
Sentence II : The task they did was so different that the difference was **apparent**.
(A) Intelligible (B) clear (C) sharp (D) transparent
50. Sentence I. The message was written on a **piece** of paper.
Sentence II. Gautam got in to a **fight** with his classmate.
(A) scrap (B) brush (C) grab (D) wad

General Maths / সাধাৰণ গণিত / সাধাৰণ গণিত

51. What is the smallest integral value of p such that $2x(px-4)-x^2+6=0$ has no real roots ?
 $2x(px-4)-x^2+6=0$ has no real roots ?
(A) -1 (B) 2 (C) 3 (D) none of these
52. The number $\frac{3-\sqrt{3}}{3+\sqrt{3}}$ is / $\frac{3-\sqrt{3}}{3+\sqrt{3}}$ is / $\frac{3-\sqrt{3}}{3+\sqrt{3}}$ is
(A) rational (B) irrational (C) both (D) can't say

53. The degree of $(x^2+1)^4(x^3+3)^3$ as a polynomial in x is
- $(x^2+1)^4(x^3+3)^3$ / $(x^2+1)^4(x^3+3)^3$
- (A) 17 (B) 12 (C) 7 (D) None of these
54. If $P = \frac{1+2x}{1-2x}$ and $Q = \frac{1-2x}{1+2x}$ then $\frac{P-Q}{P+Q} = \dots\dots\dots$
- $P = \frac{1+2x}{1-2x}$ and $Q = \frac{1-2x}{1+2x}$ then $\frac{P-Q}{P+Q} = \dots\dots\dots$
- (A) $\frac{4x}{1+4x^2}$ (B) $\frac{1+4x^2}{4x}$ (C) $\frac{-4x}{1+4x^2}$ (D) $\frac{-(1+4x^2)}{4x}$
55. If $2a=b$, the pair of equation $ax + by = 2a^2 - 3b^2$, $x + 2y = 2a - 6b$ possess
- $2a=b$ then $ax + by = 2a^2 - 3b^2$, $x + 2y = 2a - 6b$
- (A) no solution (B) only one solution
(C) only two solutions (D) an infinite number of solutions
56. If ' x ' is a perfect square, the next larger perfect square is
- ' x ' is a perfect square, the next larger perfect square is
- (A) $x+1$ (B) x^2+1 (C) x^2+2x+1 (D) $x+2\sqrt{x}+1$
57. What is the remainder when $3x^3-2x^2y-13xy^3+10y^3$ is divided by $x-2y$?
- $3x^3-2x^2y-13xy^3+10y^3$ divided by $x-2y$
- (A) 0 (B) y (C) $x+2y$ (D) none of these
58. The maximum number of common tangents to any two circles in the same plane is
- Two circles in the same plane
- (A) 2 (B) 3 (C) 4 (D) None of these
59. $\frac{\sin\theta}{1+\cos\theta} + \frac{1+\cos\theta}{\sin\theta}$ is equal to
- $\frac{\sin\theta}{1+\cos\theta} + \frac{1+\cos\theta}{\sin\theta}$ is equal to
- (A) $\frac{2}{\sin\theta}$ (B) $\frac{4}{\sin\theta\cos\theta}$ (C) 2 (D) $2\sin\theta.\cos\theta$

60. The area of the shaded region in the following figure is



- (A) $10-2\pi$ (B) $5-\frac{\pi}{2}$ (C) $5-2\pi$ (D) $10-\frac{\pi}{2}$

61. A ladder of 20 m long rests against a wall. If the feet of the ladder is 10 m from the wall, then the angle of elevation is

- (A) $\frac{\pi}{6}$ (B) $\frac{\pi}{4}$ (C) $\frac{\pi}{3}$ (D) $\frac{\pi}{2}$

62. In $\triangle ABC$ the bisector of $\angle A$ intersects BC in D . If $BD : DC = 4 : 7$ and $AC = 3.5$ m then $AB =$

- (A) 7 m (x)f (B) 4 m (x)f (C) 2 m (x)f (D) 8 m (x)f

63. If $x \sin^3 \theta + y \cos^3 \theta = \sin \theta \cos \theta$ and $x \sin \theta = y \cos \theta$ then

- (A) $x^3+y^3=1$ (B) $x^2-y^2=1$ (C) $x^2+y^2=1$ (D) None of these

64. If $4^{x+y}=1$ and $4^{x-y}=4$, then the values of x and y will be respectively

- (A) $\frac{1}{2}, -\frac{1}{2}$ (B) $\frac{1}{2}, \frac{1}{2}$ (C) $-\frac{1}{2}, -\frac{1}{2}$ (D) $-\frac{1}{2}, \frac{1}{2}$

65. Four equal sized maximum circular plates are cut off from a square paper sheet of area 784 sq.m.




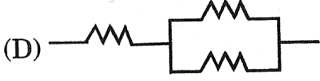
The circumference of each plate is

- (A) 22 m (x)f (B) 44 m (x)f (C) 66 m (x)f (D) 88 m (x)f

66. In a company of 60 employees, 20% of the employees take coffee, 30% take tea and 15% both coffee and tea. The number of employees who do not take either coffee or tea is
67. If the height of a triangle is decreased by 40% and its base is increased by 40%, what will be the effect on its area?
68. A running track is the ring formed by two concentric circles. It is 10 m wide. The circumference of the two circles differ by about
69. A man died in the year Y^2 of twentieth century at the age of Y years. He was born in
70. If the digit 1 is placed after a two digit number whose tens digit is 't' and units digit is u, the new number is
71. If $(a+b) : (b+c) : (c+a) = 6 : 7 : 8$ and $a+b+c=14$ then the value of c is
72. When two dice are thrown simultaneously what is the probability that there is exactly one 5?

73. Seven equal cubes each of side 5 m are joined end to end. Find the surface area of the resulting cuboid.
 (A) 750 m² (B) 1500 m² (C) 2250 m² (D) none of these
74. The diameter of a copper sphere is 6 cm. It is beaten and drawn into a wire of diameter 0.2 cm. The length of the wire is
 (A) 36 cm (B) 360 cm (C) 3600 cm (D) None of these
75. The value of k for which the H.C.F of $x^2+x-(2k+2)$ and $2x^2+kx-12$ is $x+4$?
 (A) 2 (B) 5 (C) 8 (D) 10

General Science / সাধারণ বিজ্ঞান / সাধারণ বিজ্ঞান

76. If x, y, z denotes object distance, image distance and focal length of a mirror respectively, then the correct relation in connecting these parameters is
 (A) $x = \frac{xy}{x+y}$ (B) $z = \frac{x+y}{xy}$ (C) $z = \frac{xy}{x-y}$ (D) $\frac{zy}{x+y}$
77. The figure shows three bulbs that are connected in a circuit. What is the total voltage V for the circuit?
 (A) $V = V_1 = V_2$ (B) $V = V_1 + V_2$ (C) $V = V_1 - V_2$ (D) $V = V_2 - V_1$
78. All the resistors shown below have the same resistance 5Ω . Which arrangement has an effective resistance of 5Ω ?
 (A)  (B) 
 (C)  (D) 

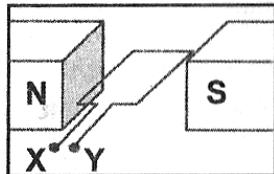
79. In Fleming's right hand rule, the fore finger points in the direction of
 (A) the magnetic field (B) the current (C) the force (D) the motion

80. What is the purpose of a glass cover on the top of a box type solar cooker ?
 (A) Allows one to see the food being cooked (B) Allows more sunlight into the box
 (C) Prevents dust from entering the box (D) Reduces heat loss by radiation

81. A pendulum vibrates with a period of 1 second. The sound produced by it is
 (A) audible (B) infrasonic (C) ultrasonic (D) None of these

82. Amit brought mirror 'X' to obtain enlarged, virtual image. Identify Mirror 'X'.
 (A) convex mirror (B) concave mirror (C) plane mirrors (D) Both A and C

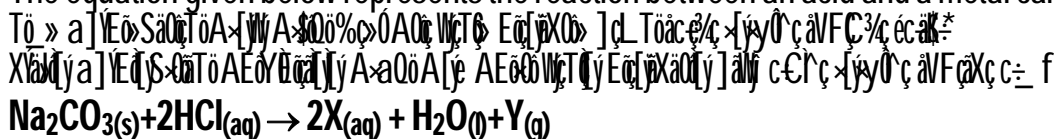
83. The figure shows the coil of an AC motor.



What is connected to the ends X and Y of the coil ?
 (A) Commutator (B) Hair spring (C) Soft iron core (D) Split-ring

84. Which of the following equation best describes the formation of rust ?
 (A) $4Fe + 3O_2 + xH_2O \rightarrow 2Fe_2O_3 \cdot xH_2O$ (B) $Fe + H_2SO_4 \rightarrow FeSO_4 + H_2$
 (C) $2Fe_3O_4 + H_2O \rightarrow 3Fe_2O_3 + H_2$ (D) $2FeSO_4 \rightarrow Fe_2O_3 + SO_2 + SO_3$

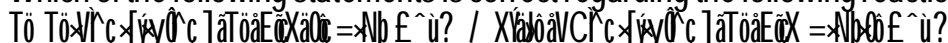
85. The equation given below represents the reaction between an acid and a metal carbonate.



What are 'X' and 'Y' / X କଣ? / Y କଣ?

X	Y
(A) NaOH	CO ₂
(B) NaCl	O ₂
(C) Na ₂ O	O ₂
(D) NaCl	CO ₂

86. Which of the following statements is correct regarding the following reaction ?



(A) I₂ is oxidised (B) I₂ is reduced (C) HNO₃ is oxidised (D) HNO₃ is reduced

I ₂ ଲକ୍ଷ୍ୟ ହେଉଛି	I ₂ କମ୍ ହେଉଛି	HNO ₃ ଲକ୍ଷ୍ୟ ହେଉଛି	HNO ₃ କମ୍ ହେଉଛି
I ₂ ଲକ୍ଷ୍ୟ ହେଉଛି	I ₂ କମ୍ ହେଉଛି	HNO ₃ ଲକ୍ଷ୍ୟ ହେଉଛି	HNO ₃ କମ୍ ହେଉଛି

87. An element having atomic number 34 is placed in which group and period in the modern periodic table ?



- (A) Group 15 and 4th period (B) Group 16 and 5th period
 (C) Group 14 and 7th period (D) Group 16 and 4th period

88. The correct order of Ionic radius is

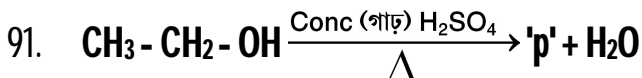
- (A) Na⁺ > Mg²⁺ > O²⁻ > F⁻ (B) F⁻ > Mg²⁺ > O²⁻ > Na⁺ (C) Mg²⁺ > Na⁺ > O²⁻ > F⁻ (D) O²⁻ > F⁻ > Na⁺ > Mg²⁺

89. Which of the following is subjected to roasting in the concentration of Ore procedure ?

- (A) oxide ores (B) silicate ores (C) sulphide ores (D) carbonate ores

90. Identify the correct ratio of the hydrogen atoms present in propane and propyne.

- (A) 1 : 2 (B) 2 : 1 (C) 3 : 2 (D) 2 : 3



What is 'p' ? / 'p' କଣ?

- (A) CH₃ - CH₃ (B) CH₂ = CH₂ (C) CH = CH (D) CH₃ - CH₂ = CH₂

92. Which of the following has the highest calorific value ?
 (A) Petrol (B) Natural gas (C) Ethanol (D) Hydrogen

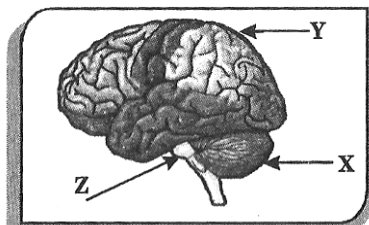
93. Two tall plants with heterozygous alleles as shown below are crossed.
 Predict the phenotypic ratio of the F1 generation from the following :
 (A) 3 : 1 (B) 2 : 2 (C) 1 : 3 (D) 4 : 0

94. Which of the following is a saprophytic plant ?
 (A) Nepenthes (B) Drosera (C) Neotia (D) All of these

95. Which of the following is true about the digestion of food in the mouth ?

Enzyme in the mouth	Food digested in the mouth
(A) Amylase (এমাইলেজ)	Protein (প্রোটিন)
(B) Protease (প্রটিয়েজ)	Protein (প্রোটিন)
(C) Lipase (লাইপেজ)	Fat (চর্বি)
(D) Amylase (এমাইলেজ)	Starch (শ্বেতসার / শ্বেতসার)

96. The figure given below shows the structure of the human brain :



Predict what will happen if part X is injured ?
 (A) Breathing will be affected (B) The person will not be able to think rationally
 (C) Coordination and stability of the body will be adversely affected
 (D) The person will not be able to move

97. The chief inorganic substance present in urine is
 (A) NaCl (B) K (C) Ca (D) Mg

98. Which of the following is a Sexually transmitted disease ?
Tö » äEöXäÖc %ae^Töa^iX %cö»S» Zö_TöaeyÖ]Töacç/c ä»G ? / Xä]ä]yáEöX»ö%ae^Töa^iX %cö]S]yZö_aeyÖ]Töc-Çrçä]yG ?
- (A) AIDS (B) Gonorrhoea (C) Syphilis (D) All of these
A+ÖK=/ A+Öä GX'»Yç/ GX]Yç *Zö_k=/ »Zö_a %cö]»äEöÖc/ a[Eö^ö
99. Which is agranular white blood corpuscle ?
äEöXäÖc ä` VöNpEöSEöVXc]cX ? / äEöX»öä` VöNpEöSEöVXc]cX ?
- (A) Neutrophil (B) Monocyte (C) Basophil (D) Eosinophil
X=ÖZö]X'ç+Ö/]Xç+Ö ä]k=Zö / ä]jaZö +r»X'Zö / +r»XZö
100. Which of the following statements is correct ?
Tö » äEöXäÖc =»Np E^ü? / Xä]ä]yáEöX =»NpE^ü?
- (A) Plants carry on photosynthesis during the day and respiration all the time
=>äV Tö»X» \cGTöacä`_Eöaeä` bS %cö»0aEö_ç a]r`Tö` äX aeG»PÖcç*
=>äV »ä]ä]y`d` äcä`_Eöaeä` bS A]ç aEö_a]ä` `äX a]Y~ Eö]y*
- (B) Plants carry on photosynthesis during night
=>äV Töacä`_Eöaeä` bS »çTö` \cGTöa]Y~ çç* / =>äV]yay äcä`_Eöaeä` bS a]Y~ Eö]y*
- (C) Plants carry on photosynthesis all the time
=>äV Töacä`_Eöaeä` bS aEö_ç a]r`Töcç* / =>äV äcä`_Eöaeä` bS aEö_a]ä` Eö]y*
- (D) None of above
AÖc Xcç / AEöÖC Xr

XXXXXX