

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2010

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

Hojai, Nagaon (Assam)

ANTSE/VII/2000

Class / æ ØÝ f VII

.....
Invigilator

Script No.

Date.....

Centre Code / æ ØÝ f VII / æ ØÝ f VII.....

Roll No. / æ ØÝ f VII / æ ØÝ f VII.....

INSTRUCTIONS TO CANDIDATE

1. Write your **Centre Code and Roll No.** legibly in the space provided. Do not write your name any where in the book.
2. 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**.
3. No extra sheet will be provided for making notes or calculations. **Candidates may use the inner cover pages of this booklet for this purpose.**
4. An examinee must not talk to, disturb or seek assistance from a fellow examinee during the examination.
5. No. leaf of the booklet must be torn or detached.
6. Any mechanical or digital calculating device (calculator etc.) shall not be used by the examinee during the examination.
7. Mobile Phones shall not be used by candidates inside the examination Hall.
8. No candidate will be allowed to leave or go out of the Examination Hall during the first hour of the examination.
9. **i. Questions are of multiple-choice type carrying one mark each and all questions are compulsory.**
ii. Students are required to write the correct answer [i.e. any one of (a), (b), (c) or (d)] in the box provided alongside the question.
iii. A candidate having completed his/her question-answer booklet must hand it over, even if blank, to the invigilator before leaving the Examination Hall.
10. Contravention of any of the instruction mentioned above shall render a candidate liable for disciplinary action as per rule.

Y»ÝI icUVØ [yá]y»XáVØ ç¼ Y

- 1* Y»ÝI icUVØ CY»» Fç PççTø áTÇá çEø æ ØÝ f VII æ ØÝ f VII Y»» æ ØÝ f VII x F [Y Eø áTç »XL» Xç] »x »F [Y
- 2* Y»ÝI ic c÷ Tø AØ»] æ ØÝ f VII [yçá» YØUVØ æEçáXç W»S» EçGL, EøTçY %çV %çX [yáXç¼» [Y %çXá Y»ÝI ic c÷ » Y»ç [yc>ç» Eøç c÷ [Y
- 3* ççç [yç áEç %çV x »F [yç %Tø»Nb EçGL »Vç Xç÷ [Y Acø [çFçX» á [ØYçTø »áTø» Y»ç [yçç» Eøç Eø» [yYç» [Y
- 4* Y»ÝI ic ç÷ UÉç a] Tø Eçáç GTo Edç [Y] »ç YçTø [Y ac÷ Y»ÝI icUVØ Y»ç acç » [Yç» EçáEç » [Y] Nb Eøç Xç÷ [Y
- 5* ØØ» [yç» YçTø Zç» [yáXç¼» [Y
- 6* Y»ÝI icUVØ æEø Eçá %çV æEçáXç W»S» ^çUÉø aLç [yçç» Eø» [yáXç¼» [Y
- 7* Y»ÝI ic c÷ » »áTøTø Y»ÝI icUVØ [Y] [yçø áZçX [yçç» Eøç »XáW»
- 8* Y»ÝI ic %çPø áççç» Y»ç YØ] H»Ø á b áXçáççç æEø æEçáXç Y»ÝI icUVØ [yçç» C ç [yáXç¼» [Y
- 9* Eø YØ á] E÷-1 X÷» [yç rø [S »Eø» [çX Y »Tø»* æEç ç YØ á ØØ» Eøç [y] Tç] Eø
F) YØ á] YØ á ØØ» »Vç %çáç» Y»ÝI icUVØ E »uØØ» á] EçTøUEç [çEøTø (a), (b), (c) [Y (d) x »F [Y
G) Y»ÝI icUVØ Y»ÝI ic» á bTøC ççááççç %çGáTø YØ á»» [yç %çV ØØ» c÷á C Xç» I Eø ççTøTø L] ç »V ^ç [yç »G [Y
- 10* ØØ» á] Nb »XáVØ ç¼ Y» »æEçáXç AØ» %] çXi Eø»á »X [Y] áTø %Xç çáX] E Eø [yçØ» á çç c÷ [Y

MARKS OBTAINED

General Knowledge	General English	General Mathematics	General Science	Total

Signature of Examiner

Signature of Scrutiniser

Signature of the Head Examiner

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2010

Class : VII

Time/අවධානය : 2 hours/ 2 පැය

Full Marks/මුළු ලකුණු : 100 (25+25+25+25)=100

INSTRUCTIONS / නිර්දේශ

- Attempt All Questions / සියලුම ප්‍රශ්නවලට පිළිතුරු දෙව.
- There are four options to every question. Choose the correct option by putting any one of a, b, c or d, in the box.

General Knowledge / සාමාන්‍ය දැනුම

- Nuclear explosive devices were tested in India at :
 \දැනටදී පර්යේෂණ කළ ප්‍රදේශ (අ) :
 \දැනටදී පර්යේෂණ කළ ප්‍රදේශ (අ) :

a) Sri Harikota අහිකොටා	b) Bangalore බැංගලූරු	c) Pokhran පොක්‍රාන්	d) Kanchipuram කැන්චිපුරම්	<input type="checkbox"/>
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- 100% concession has been given for travelling in the railways for the patients of :
 100% අනුග්‍රහයක් ලබා දෙන රැහැන් මාර්ග සඳහා ගමන් කිරීමේදී රෝගීන්ගේ :
 රෝගීන්ගේ :

a) AIDS අයිඩීඑස්	b) Cancer කැන්සර්	c) TB ටිබර්	d) Swine flu ස්වයින් ඉන්ෆ්ලූන්සා	<input type="checkbox"/>
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- The Indian Air Force (IAF) has changed its formal colour 'Blue' into :
 \දැනටදී ඉන්දියානු වාත සේනාවේ නිල වර්ණය 'නිල්' වී තිබූ විට එය :
 \දැනටදී ඉන්දියානු වාත සේනාවේ නිල වර්ණය :

a) White හිත	b) Light Grey හිත කහ	c) Green හරිත	d) Yellow කහ	<input type="checkbox"/>
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- The language spoken by the greatest number of people in the world is :
 \දැනටදී ලෝකයේ වැඩිම ජනතාවකගේ මවු වචන :
 \දැනටදී ලෝකයේ වැඩිම ජනතාවකගේ මවු වචන :

a) English ඉංග්‍රීසි	b) French ප්‍රංසු	c) Arabic අරාබි	d) Mandarin මන්ඩාරින	<input type="checkbox"/>
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- 'DIET' is the parliament of :
 'DIET' රාජ්‍ය සභාව :
 'DIET' රාජ්‍ය සභාව :

a) Spain ස්පේන්	b) Germany ජර්මනි	c) Japan ජපාන්	d) Israel ඉස්‍රායෙල්	<input type="checkbox"/>
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6. The creature that can move its eyes in two different directions at the same time is :

áÈçX YÇSÿá^ AaEÖÖ a]rãTöVêr çÖÖ \$ÈÖ ä[ÿ_G ä[ÿ_G »V` TôHÇç[yYçã» ?

áÈçX YÇSÿ AEö+ a]á^ VÖç æÖçFãEöVÖÖ %ç_çVç %ç_çVç »VaEö äHçÿçãTöYçáÿ ?

- a) Cockroach YçÖÖÇÇçç %çÿá_ç_ç
- b) Chameleon äTdL»Yrç »G[yGÖö
- c) Butterfly Y»F_ç YÖLçY»Tö
- d) Crocodile Hç»rç EÖ]Vÿ



7. Choose the correct answer :

E`üÖÖÖ »[ÿçç» ÖÖ_C¾ç :

E`ü=wÿFçL [ÿççÿEçÿ :

A

B

- a) Mahasweta Devi]cçã`Vç äV[y]cçã`Vç äV[y
- b) Indira Goswami çÖV»ç äGçÖç]ÿ +»V[yç äGçÖç]ÿ
- c) Rajendra Keshawal Shah »çãL`³VðãEö`¾ç_`ÿç= [ÿçãL`³VðãEö`rç_`ÿç=
- d) Girish Karnad »G»ÿ` Eç»XçÖö »G[yr` Eç]XçÖö
- i) Assamese %a]Vrç %a]Vrç
- ii) Bengali [ÿç_ç [ÿç_ç
- iii) Kannada EçXçÖç EçXçÖç
- iv) Gujarati mL»çÖÖ mL[yçÖö

- a) a - i, b - ii, c - iv, d - iii
- b) a - ii, b - i, c - iv, d - iii
- c) a - i, b - ii, c - iii, d - iv
- d) a - ii, b - i, c - iii, d - iv



8. The computer language 'Java' has been named after a famous make of :

Eö+ ÖÖÖ » \ççç Lç\ç (Java) »Èç» CY»TöXç]çEöS Eöç èçãX=?

Eö»Y=Öçÿ \ççç Lç\ç (Java) XÿáÿÿáÈçX »[ÿrçTöL»Xab[y»X]çTçÿ= Y[yXç]çEç]X çr ?

- a) Chocolates \$çã_ÖÖ
- b) Coffee EöZö
- c) Fruit Zö_
- d) Steel rç_



9. is the logo of :

CY»» \$çã_ÖÖ »Èç» YÖöEö?

CYáÿÿYÖöEö»ç_ÖXÿáÿÿáÈçX»Öçÿ ?

- a) L.I.C.I. of India \ç»Tçr` LÿX [ÿ]ç »XG] \ç]Tçr` Lÿ[X [ÿ]ç »XG]
- b) Welcome group ä¾_Eç] GÖY Çãr`_Eç] GÖY
- c) Delhi University »[ÿç»[ÿç]ÿVç_ÿ »[ÿç»[ÿç]ÿVç_ÿ
- d) Guwahati University m¾ççÖÖ »[ÿç]ÿVç_ÿ m¾ççÖÖ »[ÿç]ÿVç_ÿ



17. "Padma" Awards are given away by :

Y²; [a]É=aEāX YVcX Eā» ?

Y²; Y[ly-cl]yāEō YVcX Eā[y]X ?

a) The President

»cāV×Tō

[yāV×Tō

b) The Prime Minister

YVcX]Uā

YVcX]Uā

c) The Chief Justice of Supreme Court

QāVōTō] Xid^c_r»]Ei Xid^V^

aV[0] āEāVō[y]Ei Xid^V^

d) The Vice President

QāV»cāV×Tō

=Y[yāV×Tō

18. In the last edition of Nehru Cup (Football) India won the trophy defeating :

ā^c/4[r]p āXc»0EāYTo (ZāV) \c»āTōāEāX āV^ Eōc»0/cθ^Zā VF_ Eā»X_ ?

GToāXc-[y]EāY (ZāV) \āVToāEāX āV^ āEō Zā+Xcā_ c-lyā^ θZā0VF_ Eā[y] ?

a) Thailand

Ucā_ %ā

Uc+ā_ %ā

b) Syria

»ō»r^c

»ā]r^c

c) Kyrgyzstan

»EōGVōX

»EāyGVōX

d) South Korea

V×iS āEā»r^c

V×iS āEā]r^c

19. Anil is taller than Sunil but Dilip is taller than Kamil. Kamil is taller than Anil and Sunil. Who is the tallest boy ?

%X_ aXY_TōEōCF »EōV× Y Eā×]_ TōEōCF^ Eā×]_ %X_ %c»0 aXY_TōEōCF cā_ %c»0 TōEōCF āEāX ?

%X_ aXY_ āUāEō_ r^c »EōV× Y Eā×]_ āUāEō_ r^c^ ^V Eā×]_ %X_ %āy aXY_ āUāEō_ r^c c^, Tācā_ a[y]c+āTō_ r^c āEō ?

a) Kamil

Eā×]_

b) Anil

%X_

c) Dilip

×V_Y

d) Sunil

aXY_

20. Ganga, Kaveri, Krishna and Yamuna are :

GeGc, Eā[y]V, EāV: %c»0 ^] r^c :

GeGc, Eā[y]V, EāV: A[jē ^] r^c c_ :

a) Actress

Xc^Eā

Xc^Eā

b) All sister

\āY

ā[y]X

c) Model

]āVō

]āVō

d) Rivers

XVY

XVY

21. What will be the next number in the series : 2, 5, 9, 14, ?

æ θVā» Y»³TōUāeFicā» Eō ?

A+ `É_ d^ Y[y]TōUāeFicāEōcā[y] ?

a) 20

b) 18

c) 19

d) 17

22. 'Democracy is by the people, for the people and of the people' - this was said by :

GXTōL XadN»S» Yc» G-PōTō L XadN»S» Eā»āS L XadN»S» \$ōEā» - [jē āEāX eEāX_ ?

GXTōL XadN»Xiy Yc» G-PōTō L XadN»Xiy LXi L XadN»Xiy a[y]Eāy - āEō [jē_ Xā_X ?

a) Aristotle

A»rō

A]yō

b) Abraham Lincoln

%c[r^c] ×_eEāX

%c[r^c] ×_eEāX

c) Rousseau

»āVc

]yā`c

d) J.S. Mill

āL.AX××]_

āL.Aa.×]_

23. Euro Cup is associated with :

‘c00>ç (Euro) EçY xE0âF_»_GT0L>0t0?
‘+=âÿç (Euro) EçY âEçX âF_dÿaçâU L>0t0?

- a) Cricket
- b) Chess
- c) Badminton
- d) Football

24. The Elephant Falls is situated at

Ax_âZ0R0L_YVçT0E0T0%3/40t0
Ax_Z0ç00_L_YVçT0âEçUç^ % [y0t0

- a) Simla
- b) Shillong
- c) Serapunji
- d) Patna

25. A said, X is my mother. X said D is not my son. D said, X is my mother but A is not my brother. what is the relation between A and D ?

A âr^ eE0K= X â]ç>]ç* X âr^ eE0K=D â]ç> _>ç XcF^* D âr^ eE0K=X â]ç>]ç xEd0A â]ç> \çT0XcF^* âT0U0A %ç>0 D » a + E0>E0?
A [ÿ_ X %ç] dÿ]ç* X [ÿ_ D %ç] dÿ]ç âk_ Xr^ D [ÿ_ X %ç] dÿ]ç xEd0A %ç] dÿ]ç \çç0Xr^* T0 [ÿA %ç] dÿ]ç D A [ÿ a + E0>E0?

- a) Brother
- b) Brother and sister
- c) Sister
- d) Mother and Daughter

General English

26. he been more careful, he would have spotted the mistake.

- a) Were
- b) Had
- c) Has
- d) Is

27. If I you, I wouldn't risk it.

- a) had been
- b) am
- c) would be
- d) were

28. If I pay you twice as much,..... to finish by Tuesday?

- a) are you able
- b) is it able
- c) will you be able
- d) can you be able

29. In winter time, bears hide themselves in caves and

- a) hibernate
- b) take a nap
- c) snooze
- d) relax

30. You need not worry that you'll be left on your own because I'll always you.

- a) stand for
- b) stand to
- c) stand by
- d) stand from

31. Students were given five minutes to the examination paper before they were told to start writing.

- a) look after
- b) look through
- c) look into
- d) look up

32. Our new teacher is so If we don't understand something, she goes over it again and again until we do.

- a) lazy
- b) shy
- c) patient
- d) friendly

33. The scheme will be into the school curriculum at the beginning of next academic year.
 a) entered b) presented c) welcomed d) introduced
34. It's a long way we have to travel tomorrow. So we must get up very early in the morning at the crack of
 a) dawn b) crow c) day d) sun
35. If you really want to send that letter off today, it's time you went to the post office.
 a) high b) quick c) proper d) right
36. Welcome to our house. Come in and make yourself
 a) comfortable b) easy (c) relaxing (d) comforting
37. You just touch that piece of paper and I'll kill you.
 a) Attempt b) dare c) try d) endeavour
38. The police broke _____ the temple when they got information that a terrorist was hiding in it.
 a) Into b) Up c) No preposition d) Out
39. You have to enter _____ the date of birth in the job application form.
 a) Into (b) In c) No Preposition d) On
40. He seldom goes to parties.
 a) does he b) doesn't he ? c) should he ? d) Needn't he ?
41. Dr. Iyer _____ in scientific research since 1950.
 a) Has engaged b) Has been engaging c) Had engaged d) has been engaged

In the following questions you have to choose the phrase or word that *comes next* as a sequel or as a response to the first sentence .

42. **Q.** : Did you follow all that?
Ans.: No,
- a) my mind's a complete blank c) my mind's a complete space
 b) my mind's a complete hole d) my mind's a complete void
- 43 **Q.** : What do you make of this test?
Ans.: It's quite
- a) beyond me b) below me c) behind me d) beside me

Select from the choices given below each sentence the word that is nearest in meaning to the word given in *italics*.

44. I was ***astonished*** to see my friend smoking in front of his elder brother.
 a) Happy b) Amazed c) Pleased d) Angry

45. My friend has a fascination for **antique** things.
 a) Strange b) Funny c) Ancient d) Modern

Select from the choices given below each sentence the word that is **opposite in meaning** to the word given in *italics*.

46. I found it difficult to **accept** his proposal.
 a) Reject b) Dismiss c) Decline d) Disagree
47. The Minister said, " My **predecessor** didn't do enough to eradicate poverty".
 a) Heir b) Follower c) Descendant d) Successor

Tick mark the right choice on the basis of the relationship shown in the first part of the question :

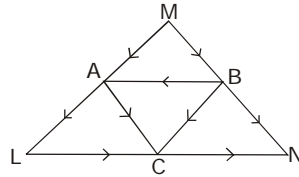
48. Nainital is to hills as Jaisalmer is to :
 a) Fort b) Border c) Desert d) Security
49. Paper is to pen as garden is to :
 a) Flowers b) Health c) Spade d) Lawn
50. Morning is to Noon as Youth is to :
 a) Energy b) Childhood c) Love d) Old age

General Mathematics / अध्यात्म गणित / अध्यात्म गणित

51. Which of the following is a perfect square ?
 a) 0.09 b) 8.1 c) 0.025 d) None of these (अध्यात्म गणित / अध्यात्म गणित)

52. $\frac{1}{15} \div (\frac{4}{15} + \frac{1}{3}) = \dots\dots\dots$
 a) $\frac{1}{9}$ b) 9 c) $\frac{1}{5}$ d) 5

53. Using only the paths and directions shown how many different routes are there from M to N ?



- a) 6 b) 4 c) 3 d) 2

54. What is the quotient when $(x^2 + 6x + 5)$ is divided by $(x+1)$?

$(x^2 + 6x + 5) \div (x+1)$ $(x^2 + 6x + 5) \div (x+1)$

- a) $x - 5$ b) $x + 4$ c) $x - 1$ d) $x + 5$

55. The product of the 9 fractions :

$(1 - A)(1 - B)(1 - D) \dots \dots \dots (1 - P) = \dots \dots \dots$

- a) $\frac{10}{11}$ b) $\frac{1}{9}$ c) P d) A

56. If a, b and c are the sides of a triangle then.

a, b, c are sides of a triangle

- a) $a - b > c$ b) $c > a + b$ c) $a + b > c$ d) $a + b = c$

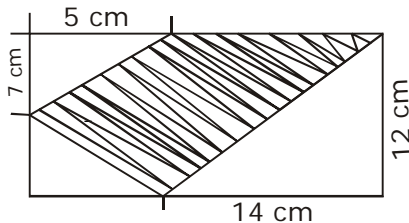
57. Which pair of numbers does not have a product equal to 36 ?

Which pair of numbers does not have a product equal to 36 ?

- a) $(-4, -9)$ b) $(-72, A)$ c) $(-3, -12)$ d) $(1, 36)$

58. Find the area of the shaded portion in the figure given below :

Find the area of the shaded portion in the figure given below :



- a) 114 cm^2 b) 144 cm^2 c) 49 cm^2 d) 25 cm^2

59. Two-third of one fifth of a number is 6. What is the number ?

Two-third of one fifth of a number is 6. What is the number ?

- a) 45 b) 60 c) 75 d) 90

60. The real factor of $x^2 + 4$ are

$x^2 + 4$:

$x^2 + 4$:

- a) $(x^2 + 4)(x^2 + 2)$ b) $(x^2 + 2)(x^2 - 2)$ c) $(x^2 - 2x + 2)(x^2 + 2x + 2)$ d) do not exist

61. If SI is fixed as a constant, then $\frac{P_1}{P_2} = \dots\dots\dots$

If SI is fixed as a constant, then $\frac{P_1}{P_2} = \dots\dots\dots$ (P, T, R y)

If SI is fixed as a constant, then $\frac{P_1}{P_2} = \dots\dots\dots$ (P, T, R y) A

- a) $\frac{T_1 R_1}{T_2 R_2}$ b) $\frac{T_1 R_1}{T_2 R_1}$ c) $\frac{T_2 R_2}{T_1 R_1}$ d) None of these

62. Capacity of a tank is 70 Kl. If length and breadth of the tank are 7m and 5m respectively. Then its depth ism

Capacity of a tank is 70 Kl. If length and breadth of the tank are 7m and 5m respectively. Then its depth ism

- a) 2 b) 8 c) 9 d) 5

63. $\frac{8.63 \times 8.63 - 1.37 \times 1.37}{0.726} = \dots\dots\dots$

- a) 1000 b) 100 c) 10 d) 0

64. If $\frac{x}{y} = \frac{3}{4}$, then the incorrect expression from the following is

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- a) $\frac{x+y}{y} =$ b) $\frac{y}{y-x} =$ c) $\frac{x+2y}{x} =$ d) $\frac{x-y}{y} =$

65. For any two rational number x and y which of the following properties are correct ?

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For any two rational number x and y which of the following properties are correct ?

- i) $x < y$ ii) $x = y$ iii) $x > y$
 a) only i and ii are correct b) only ii and iii are correct
 c) only ii is correct d) all i, ii and iii are correct

(9)

66. The value of $(9^{\frac{4}{3}} \div \quad) \times \quad$ is :

(\div) \times »] \times :

(\div) \times A] \times :

- a) $9^{\frac{4}{3}}$
- b) $9^{\frac{1}{3}}$
- c) $9^{\frac{2}{3}}$
- d) None of these (A \times / A \times)

67. A and B can do a piece of work in 72 days, B and C can do it in 120 days and A and C can do it in 90 days. In how many days can A do it alone ?

A \times B \times 72 \times , B \times C \times 120 \times , A \times C \times 90 \times \times ?

A A] B A \times 72 \times , B A] C A \times 120 \times , A A] C A \times 90 \times \times ?

- a) 150
- b) 120
- c) 100
- d) 180

68. If 'n' is a prime number, then the L.C.M. of 'n' and (n + 1) will be :

^ \times 'n' A \times (n + 1) \times :

^ \times 'n' A \times (n + 1) \times :

- a) n^2
- b) $(n + 1)^2$
- c) $n(n + 1)$
- d) $n + 1$

69. Any cyclic parallelogram having unequal adjacent sides is necessarily a.....

^ \times A \times B \times C \times D \times

^ \times A \times B \times C \times D \times

- a) Square
- b) Rectangle
- c) Rhombus
- d) Trapezium

70. Raju secured 60% marks in Maths and 40% marks in English. Total marks allotted for Maths and English were 120 and 70 respectively. What average marks did Raju secure in Maths and English ?

\times 60% \times 120 \times , 40% \times 70 \times \times ?

\times 60% A] 120 \times , 40% A] 70 \times \times ?

- a) 45
- b) 55
- c) 100
- d) 50

71. A radio is bought for Rs. 1000 and sold for Rs. 1200. Find the gain percent ?

A \times 1000 \times , 1200 \times \times ?

A \times 1000 \times , 1200 \times \times ?

- a) 12
- b) 15
- c) 18
- d) 20

72. The perimeter of a rectangle is 25.5m, its length is 9.5m. calculate its area.

A \times 25.5 \times , 9.5 \times \times ?

A \times 25.5 \times , 9.5 \times \times ?

- a) 12.75 m^2
- b) 30.875 m^2
- c) 121.125 m^2
- d) Not possible (A \times)

73. If $7x + 3 = 17$, What is the value of $7x - 3$?

$7x + 3 = 17$ ç, $7x - 3$ »]çX »Eö?

$7x + 3 = 17$ ç, $7x - 3$ A[y] çX »Eö?

a) 14

b) 11

c) 0

d) -3

74. The degree of a trinomial $ax^5 - bx^4 + c$ is

$ax^5 - bx^4 + c$ »]çyç

$ax^5 - bx^4 + c$ A[y] çyç

a) 9

b) 5

c) 4

d) 1

75. The missing fraction in the series given below is

$\frac{9}{20}, \dots, \frac{45}{100}$

$\frac{17}{40}, \frac{19}{42}, \frac{20}{45}, \frac{29}{53}$

$\frac{9}{20}, \dots, \frac{45}{100}$

a) $\frac{17}{40}$

b) $\frac{19}{42}$

c) $\frac{20}{45}$

d) $\frac{29}{53}$

General Science / admp>S x[pucX / admdyS x[pucX

76. The part of the digestive system lodging the maximum number of bacteria is :

YçXk Tôö » aEçXâRö %e` Tô %çRçEöÖ â[yk-a[jkô»Yç UçEö?

YçXk Tôö » aEçX %e` a[yç+aTôâ[y Y [yçakô]Yç UçEö

a) stomach

b) oesophagus

c) colon

d) duodenum

77. The basic unit of proteins is :

YçXk » %çllç» AEçEöÖ écâk÷:

aYçÖâX[y %çllçy AEçEö c÷ :

a) glucose

b) fatty acid

c) glycerin

d) amino acid

78. Which of the following is a bad conductor of electricity ?

Tö » aEçXâRö x[Vçd» EçY» » [yçY?

Xâödy aEçX-ö » [VçTdy EçY » [yç-ö?

a) air

b) water

c) iron

d) human skin

79. A torch-light uses which of the following as the reflector ?

.....

- a) concave mirror
- b) convex mirror
- c) plane mirror
- d) any of these

80. is known as queen of textiles :

.....

- a) wool
- b) cotton
- c) silk
- d) jute

81. An act of emission and diffusion of rays is known as :

.....

- a) specific heat
- b) conduction
- c) radiation
- d) All the above

82. is used in auto mobile industry as a dehydrating agent :

.....

- a) hydrochloric acid
- b) turmeric acid
- c) citric acid
- d) sulphuric acid

83. is the basic structural and functional unit of a kidney.

.....

- a) medulla
- b) capsule
- c) cortex
- d) nephron

84. Speed of wind is measured by

[Y]cc» a[G aLcFc ^UaBQ ecak÷:
[yTca[ya[G]cYdy ^U-c÷ :

- a) Galvanometer b) Voltmeter c) Anamometer d) None of above
- aG_a\ak' x] BQ» \DRQ] BQ» A>X]' x] BQ» AaC XcF
- aG_a\ak' x] Ody \DRQ] Ody A>X]' x] Ody aEcaXcQ+ X'

85. is a part of the ovary and where fertilization takes places.

..... ecak-G\Q' r» %e` , ^To>Xab\$OK a + c\TocF*
..... c÷ G\Q' a'ly%e` a^Fcax YLXX a'lyc\TocF*

- a) stigma b) style c) ovule d) all of these
- G\Q' Qa G\Q' %a X-Q-Eo %cQc-QaE-c-Qa
- G\Q' Qa G\Q' %a X-Q-Eo a[Ed'Qc

86. PVC stands for :

PVC » a + Bi Xc] y:
PVC A[ya'lyki Xc] :

- a) plastic vinegar chloride b) polyvinyl chlorine c) polyvinyl chloride d) none of these
- Yf-rEo>XaXGc» zQccQo Yx_>XcQc_Q zQccQo Yx_>XcQc_Q zQccQo AaC XcF
- Yf-rEo>XaXGdy zdyc+Qo Yx_>XcQc+_ zdyc+Qo Yx_>XcQc+_ zdyc+Qo AEaC X'

87. Which of the following statements is correct ?

To » aEcXaBQ QaBp E^u?
X'ady aEcX =Ap E^u :

- a) acid + base = salt + water b) acid + base = salt
- AaQo + I ic» = X] F + YcY AaQo + I ic» = X] F
- AaQo + I idy = _[Y + L_ AaQo + I idy = _[Y
- c) both a and b d) None of these
- a %cQo b QaBp AaC XcF
- a %dy b = \a' + AEaC X'

88. When we hold a piece of ice in our hand, it feels cold. This is because :

[pZo AaBQc %c] cETo_a_Pc% %XdyEa»c, Ea»S :
AEaEdyc [pZo cETo>Xa_Pc% %Xdy Eo'ly, Ea]S :

- a) the cold of the ice flows into our hands b) the heat of the ice flows into our hands
- [pZo` ^Toc]c» cETe_YQcTocF [pZo TcY %c]c» cETe_YQcTocF
- [pZdy Pc% %c]c\ly cETo YQcTocF [pZdy TcY %c]c\ly cETo YQcTocF
- c) the cold of our hands flows into the ice d) the heat of our hands flows into the ice
- cETo` ^Toc [pZo] cLe_YQcTocF cETo TcY [pZo] cLe_YQcTocF
- cETdy Pc% [pZo YQcTocF cETdy TcY [pZdy] VQ'c YQcTocF

89. Ovules of the flowers turn in to :

YçY» »Që-Eäââ Y»»¾TÖçF :

Zâ_ [y>â]EöXâüüYäEçXâTöY> [y]TÖçF :

a) seeds

[y]L
[y]L

b) ovary

G\Ö' r
G\Ö' r

c) pollen

â»Sç
â]Sç

d) fruit

Zö
Zö

90. The celphones use what kind of waves for the transfer of data :

âö_ âZçX Tüi äYÖS» [y]äEçXââ Tö' t [y]ç» Eâ» ?

âa_ âZçX Tüi äYÖX [y] LXi äEçX Tüi [y]ç äY Eâi ?

a) radio

â»âö%
âYÖç

b) light

âYç»
%çâ_ ç

c) sound

`E
`E

d) electro-magnetic

ç]Vçd Sç-Eâi
ç]Vçd JçEâi

91. Which of the following can react with cold water ?

Tö_ » äEçXââ¾ äöç YçXV» éâTö> [y]Ö' ç Eâ» ?

XâüüY äEçX>öPç% Lâ_ [y] açü > [y]Ö' ç Hçâ ?

a) Ag

b) K

c) Al

d) None of these (Aâç XçF / AEöâç Xr)

92. Chemically rust is :

]ç] »» »çad^ »XEö »ÖYââö ecâK÷:

]ç] »]çad^ »XEö [y] ç÷ :

a) Fe

b) Fe₂O₃

c) Fe₃O

d) Fe₂O₃H₂O

93. Which of the following element(s) can not react with other elements :

Tö_ » äEçXâ [y] » ä] i_ çöçX ä] i_ » _GTö> [y]Ö' ç XEâ» ?

XâüüY äEçX ä] i_ m× %Xî ä] iä_ [y] açü > [y]Ö' ç Eâi Yç ?

a) He

b) Ne

c) Xe

d) All the above %çâç Eçââ / a [y]Eö' ç

94. The life span of RBC is about :

â_ ççTö» Np EöSEç» L VçXEç_ YÖ' :

â_ ççTö [y] Np EöXEç [y] L VçXEç_ YÖ' :

a) 10 days

10 »/X

b) 120 days

120 »/X

c) 65 days

65 »/X

d) 35 days

35 »/X

95. The nature of the image formed by a convex mirror is always :

%¾Tö_ VçYçXTö aâöççç YÖ' ö] yö aVç' :

% [y]Tö_ VYâX aâöççç YÖ' ö] yö a] Vç :

a) diminished

aeââöTö
aeââöTö

b) virtual

% [y]öçç
% [y]öçç

c) Both a & b

a %ç»ö b öâö
a %ç] b = »â' +

d) none of these

Aâç XçF
AEöâç Xr

96. Tube lights consume less electrical energy than bulbs because :

[ç_VtEö_800ç_00Eö] x[Vçd`^Np [ç^ äcç/ç» Eç»S :
[ç_VäUäEö_00=[ç_ç+ä00x[Vçd`^Np [ç^ Eö] c-ç^ççEç]S :

- a) there is minimum loss in the form of heat. b) tube lights are bigger in size
- c) the colour of light of the tube lights and bulbs differ d) the filament of the bulb burns.

97. Which of the following is not correctly matched :

Tö_» äEçXä00 a#ç a-PEö XçF` :
XVäUçY äEçX_00 a-PEö`çä[çäLçXç X^` :

- i) plane mirror - virtual, same size a) Tö_ VçäYçX - % [ç00% çEç»Töa]çX / a) Tö_ VYK-% [ç00% çEçä[çä] a]çX*ö
 - ii) concave mirror - virtual, enlarged b) Q00_ VçäYçX - % [ç00% [ç^Tö / =w0_ VYK-% [ç00% [ç^Tö
 - iii) convex mirror - real, diminished. c) %3Tö_ VçäYçX - [ç00% äEç00Tö / % [Tö_ VYK - [ç00% äEç00Tö
- a) i b) ii c) iii d) both 'b' & 'c' (b %ç»0 c Q00ä^ / b %ç^ç c Q00ä^)

98. The inert form of carbon is :

Eçç[ç]» X»ä^ »0Yä00 ècäK` :
Eçç[ç]X[ç]»X»ä^ [ç0Y_00c`_ :

- a) diamond b) graphite c) coal d) charcoal

99. The harmful ultraviolet radiation of the sun does not reach the surface of the earth. This is because high above the earth's atmosphere there is a layer containing :

aE`» Y»ç x[çEö»Tö%Tö[VçY^ç »x` 1/2YU3/4 Yä0_ %çç-[çäXç/çä» Eç»S YU3/4» [ç^ ç% » CY»Tö..... » A00 000 %çäK` :
aE` [ç%Tö[VçY^ç [ç` 1/2YU[VçYä0 Xç %çäçY Eçç[ç] X YU[VçY^ç [ç^ ç% _ [CYäç A[ç] 000 %çäK` :

- a) CO₂ b) O₃ c) O₂ d) NH₃

100. The molecule of life is :

L^ç» %çX» [çEö AEçE000 ècäK` :
L^ä[VçY%çS» [çEö AEçE00c`_ :

- a) protein b) carbohydrate c) nucleic acid d) lipid
