AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2011

Class : VII

Time / a]^ : 2 hours/ H³R¦ç **Full Marks/]Pi X=i» / å]ç0ì X¶ì[ý f (25+25+25+25)=100**

General Knowledge / aç\Wýç»S pûçX / aç\Wýç[ýS pûçX

1. The Life Time Achievement Award in the 56th Film Fare Award was given to -
   %çLý¾X Eì×Tì±i» [ýçã[ý 56 Tì] ×Zì_¼âZì^ç» [ýOìç Eìç Eì ×V^ç éc×K:_ ?
   %çLý[ýX Eì×Tìâ±ì[ý LXî 56Tì] ×Zì_¼âZì^ç[ý Y[ý•ìç[ý Eìçc:çãEì åVC^ç c:^ ?

   a) Amitabh Bachchan — %×]Tìç\ì [ì-K:X / %×]Tìç\ì [ì-JìX
   b) Shatrughan Sinha — `yóH ×aXcç
   c) Manna Dey —]ç~ç ãV
   d) Rekha — å»Fç / å[ýFç

2. "Stumpy" - The mascot of 2011 Cricket world cup was first unveiled in -
   2011 JìX» ×[ý` Eìç Y ×yóãEìOì» £\ieEì» ""r¦ç¶Yý'' Eì'Tì =ãX¼çJìX Eì»ç éc×K:_ ?
   2011 aãX[ý ×[ý`Eìç Y ×yóãEìäOì[ý £\ieEì[ý "ºOìç¶Yý' åEìçUç^ =ãX¼çJìX Eì[ýç c:^ ?

   a) India — \iç»TìTì / \iç[ýäTì
   b) Bangladesh — [ýçe_çãV`Tì / [ýçe_çãVã`
   c) Sri Lanka — `Ý_eEìçTì / `Ý_eEìç^
   d) England — +eã_‰Tì / +eã_ã³Qì

3. When did commercial banks were nationalized in India ?
   \iç»TìTì [ýç×S×LîEì å[ýeEì a]c:Eì åEì×Tì^ç »çrì/^EìTì Eì»ç éc×K:_ ?
   \iç[ýäTì[ý [ýç×S×LîEì å[ýeEìm×_ åEìçX aãX [ýçrì/^EìTì Eì[ýç c:^ ?

   a) 1951 b) 1969 c) 1976 d) 1980

4. Who presided over the Congress Session at Pandu (Guwahati), for the first time in Assam in 1926 ?
   1926 JìXTì %X×ciTì Yç‰ (m¾çc:çOì/) EìeäGK: %×W¼ã¾`XTì åEì¢ãX a\içY×T±ì Eì×»×K:_ ?
   1926 aãX %X×ciTì Yç‰ (m^çc:çOì/) EìeäGãa[ý %×W¼ã[ý`ãX a\içY×Tì ×K:ã_X .....

   a) Jawaharlal Nehru — L¾çc:»_ç_ åXc:»ó / LCc:[ý_ç_ åXc:[ýó
   b) Motilal Nehru —]×Tì_ç_ åXc:»ó /]×Tì_ç_ åXc:[ýó
   c) Srinivas Iyenger — `Ý×X[ýça %çã^†ç» / `Ý×X[ýça %çã^†ç[ý
   d) Nabin Ch. Bordoloi — X[ýýX J¡³V [ý»Vê_ / X[ýýX J¡³V [ý[ýVê_

5. 'ISBN' in a book stands for :-
   GüìTì =ä{×FTì ISBN å^ ×Eì aJìç^ ?
   GäÜì ISBN ×Eì [ý¡Mìç^ ?

   a) International Serial Book Number
   b) Indian Serial Book Number
   c) International Standard Book Number
   d) Indian Standard Book Number

6. If we have to 'select All' files / folders in a window based computer; we have to press -
Window based EÒ¤¶Y=0ôç»TÒ A[ÿç»ãTÒ aEôã_ç File / Folder Select EÒ¤»[ÿê_ ¤EÒ [ÿ0ôç] ¤0Ò¤Y[ÿ _çãG ?
Window based EÒ¤¶Y=0ôçã[ÿ a[ÿ File / Folder AEôaeãG Select EÒ¤[ÿãTÒ cö+ã_ X'äJò[ÿ åEôçX å[ÿçTôç]m¤_ ¤0Ò¤YãTÒ cö^ ?

a) Ctrl + A b) Ctrl + S c) Ctrl + V d) Ctrl + Z

7. If Bicycle is to K. Macmillan then 'Safety Match' is to :
K. Macmillan A Jôç+ãEÒ_ %ç¤[ÿ•ôç» EÒ¤»¤Kö_* åEôç¾çäJôçX ¤V^ç Jò_ç+ åEôçãX %ç¤[ÿ•ôç» EÒ¤»¤Kö_ ?
%ç][ÿç LçX aç+ãEÒ_ %ç¤[ÿ•ôç[ÿ Eôã[ÿX åEÒ, å]EÒ¤]_çãX* A[ÿç[ÿ [ÿã_ç "¤V^ç`_ç+' åEÒ %ç¤[ÿ•ôç[ÿ Eôã[ÿX ?

a) Gillet
¤Lã_0ô
¤Lã_0ô

b) John Walker
LX ¾çEôç»
LX C^çEôç[ÿ

c) Rudolf Diesel
»ÿQò-ZÒ ¤QöãL_
[ÿQò-ZÒ ¤QöãL_

d) Wright Brothers
»ç+0ô \ôçTÒ
[ÿç+0ô \ôçTÒ

8. Who was the champion of Dance India Dance little champs of Zee TV ?
Zee ¤0Ò¤\Ò Y¤»Jôç¤_TÒ Qôç³a +¤‰^ç Qôç³a» ¤`£ æJò¤¶Y^X %ç¤Kö_ –
¤L ¤0Ò¤\Ò[ÿ "Qôç³a +¤³Qò^ç Qôç³a ¤_¤0Ò_ æJò¶Ya' A[ÿ ¤[ÿL^ÿ –

a) Jitumoni Kalita
¤LTÒ]¤S EÒ¤_Tôç
¤LTÒ]¤S EÒ¤_Tôç

b) Anamika Choudhury
%Xç¤]Eôç æJòïW»ÿ
%Xç¤]Eôç æJòïW[ÿ

c) Akanksha Dutta
%çEôçe`ç Vw
%çEôç...ç Vw

d) None of the above
+^ç» ALãXç Xcö^
+cçãV[ÿ åEôcö+ X^

9. 'Fortune', a business magazine is published from -
'Fortune' [ÿî¾açx^EÒ å]GçL'XFX EÒ'» Y»ç YEôç` cö^ ?
'Fortune' [ÿî[ÿaç¤^EÒ]îçGç¤LX åEôçUç åUãEÒ YEôç` cö^ ?

a) England
+eã_‰

b) Australia
%ärï¤_^ç

c) U.S.A.
%çã]¤»Eôç/ %çã]¤[ÿEôç

d) France
Zôç‡ü/ Zôç³a

10. "Two Leaves and A Bud" was written by -
""0Ò-¤_\ôKö A‰ A [ÿçQò"» (A¤0Ò EÒ¤_ V¤0Ò YçTÒ) »Jò¤^Tôç åEôçX ?
""0Ò-¤_\ôa A‰ A [ÿçQò" GÙ¤0Ò[ÿ [ÿJò¤^Tôç ....

a) R.K. Narayan
%ç» åEÒ Xç»ç^S
%ç[ÿ åEÒ Xç[ÿç^X

b) Sanjay Hazarika
at^ cçL¤»Eôç
at^ cçL¤[ÿEôç

c) Mamoni Royson Goswami
]ç]¤X »^Jò] åGçØôç]ÿ
]ç]¤X [ÿ^a] åGçØôç]ÿ

d) Mulkraj Anand.
]'ò»çL %çX³V
]_Eô[ÿçL %çX³V

11. 'Jarwa' tribe is found in -
"Lç»¾ç' LXLç¤TÒ» å_çEÒ EÒ'TÒ åYç¾ç ^ç^ ?
"Lç[ÿC^ç' LXLç¤TÒ[ÿ å_çEÒ åEôçUç^ YçC^ç ^ç^ ?

a) Madhya Pradesh
]Wî YãV`TÒ
]WîYãV`

b) Rajasthan
»çLØôçXTÒ
[ÿçLØôçX

c) Andaman & Nicobar Islands
%ç³Vç]çX ¤XãEôç[ÿ» V'YYtTÒ
%ç³Vç]çX C ¤XãEôç[ÿ[ÿ ¥'YYt

d) West Bengal
Y¤¸Jò] [ÿeGTÒ
Y¤¸Jò][ÿ†

12. 'Mesopatamia' was the old name of
"å]äJòçYäÒôx]^ç" åEòçX åV`» Y»xS Xç] %çxKÈ_ ?
"å]ãaçYäÒôx]^ç"[ý [ýTò]çX Xç] -

a) Iran
+»çS
+[ýçS

b) Iraq
+»çEò
+[ýçEò

c) Egypt
+xLŠ
+xL´Öò

d) Ethiopia
+xUCxY^ç
+xUCxY^ç

13. If Red Rose indicates 'Love', then Yellow Rose indicates -
^xV »Iç åGç_çY æY]» YTòýEò, åTòãÜò cç_Wý^ç åGç_çY xEòcÈ» YTòýEò ?
^xV _ç_ åGç_çY æYã][ý YTòýEò Tòã[ý cÈ_V åGç_çY xEòãa[ý YTòýEò ?

a) Wealth
WýX-a¶YxW

b) Disease
å[ý]ç»/ å[ýçG

c) Health
ØòçØòî

d) Friendship
বন্ধুত্ব

14. Banana oil is obtained from :
[ýçXçXç åTò_ xEòcÈ» Y»ç %çcÈ»S Eò»ç cÈ^ ?
[ýçXçXç åTò_ åEòçUç åUãEò %çcÈ[ýS Eò[ýç cÈ^ ?

a) Banana
Eò_
Eò_ç

b) Pineapple
%çXç»a
%çXç[ýa

c) Coal
Eò^_ç
Eò^_ç

d) Pepper
Lç_Eò
åGç_]x[ýJò

15. Find out the correct statements :- Uma Bharati, Sushma Swaraj, Vasundhara Raje
£^ì =Wý»äÒòç [ýçxKÈ =x_C¾ç -
£^ì =Wý[ýxÖò [ýçxcÈ[ý Eò[ý -

=]ç \ìç»Tòý, ab]ç Øò»çL, বসুন্ধৰা ৰাজে
উমা ভারতী, সুষমা স্বরাজ বসুন্ধরা রাজে

a) All of them belong to B.J.P.
%çÒòçã^ x[ý åL xY V_» aVaî
aEòã_ + x[ý ãL xY Vã_[ý aVaî

b) They were chief-Ministers of different provinces of India.
%çÒòçã^ \ìç»Tò» x[ýx\ì~ »çLî»]Fî]Üòý %çxKÈ_*
aEòã_ \ìç[ýãTò[ý x[ýx\ì~ [ýçãLî[ý]Fî]Üòý xKã_X

c) Both (a) & (b)
(a) %ç»Ö (b) =\ìã^ £^ì
(a) A[ýe (b) =\ìã^ £^ì

d) None of them
AÒòçC XcÈ^
ãEòçXÒòç+ X^

16. If the speaker of the Loksabha intends to resign, he should send his resignation to the -
^xV å_çEòa\ìç» %Wýî I ìLãX YVTòîçG Eòx»[ý x[ýJòçã» åTòãÜò åTòC YVTòîçG YyFX Eòçê_ YxPò^ç[ý ?
ã_çEòa\ìç[ý %Wýî I ì YVTòîçG Eòx[ýã_ xTòxX Tòçcç[ý YVTòîçG Yy Eòçcç[ý xXEòÒò æY[ýS Eòx[ýã[ýX ?

a) The Prime Minister
YWýçX]Üòýê_
YWýçX]Üòý

b) The President
»çròYxTòê_
[ýçròYxTò

c) Deputy speaker
=YçWýî I ìê_
=YçWýî I ì

d) Chief Justice
]Fî Xîç^çWý`ê_
]Fî Xîç^çWý`

17. 'Bharat Ratna' was established as India's highest civilian award in -
åEö×Tö^ç ""\ïç»Tö »±ö"Eö aã[ïç¬Kö %aç]×»Eö [ïÖïç åHçbSç Eö»ç éc×Kö_ ?
åEöçX aãX "\ïç[ïTö [ï±ö"åEö \ïç[ïTö[ïãb[ï aã[ïç¬Jö %aç]×[ïEö Y[ï•ïç[ï åHçbXç Eö[ïç cö^ ?

a) 1951 b) 1954 c) 1958 d) 1961

18. Raman Magsaysay, in whose memory the Magsaysay awards are given, was from
»]S å]GäKöäJöäJö» åaç¾»STö ×[ïFîçTö å]GäJöäJö [ïÖïç ×V^ç cö^, åTöC åEöçX åV`» å_çEö %ç×Kö_ ?
[ï]S]îçGäaaç^, ^ç[ï Øö,[ïãS ×[ïFîçTö]îçGäaaç^ Y[ï•ïç[ï åVC^ç cö^, ×Tö×X åEöçX åVã`[ï å_çEö ×Kö㠟X ?

a) West Indies
Cå¾rö +×‰Jö
Cã^ºÖö +×³QöL

b) India
\ïç»Tö[ïb
\ïç[ïTö[ïb

c) Philippines
×Zö×_Yç+XJö
×Zö×_Yç+Xa

d) Thailand
Uç+ã_‰
Uç+ã_³Qö

19. Who is the Captain of Chennai Super Kings team of IPL 2011
IPL 2011 » æJö~ç+ JöYç» ×Eöe V_» %×W×Xç^Eö åEöçX ?
IPL 2011 A[ï æJö~ç+ aYç[ï ×Eöe Vã_[ï %×W×Xç^Eö ?

a) Sachin Tendulkar
`Jö×X åTö‰_Eöç»
`Jö×X åTö‰_Eöç[ï

b) Mohendra Singh Dhoni
]ãc³V ×ae åW×çX
]ãc³V ×ae åW×çX

c) Kumar Sangakara
Eö]ç» KöçeGçEöç»ç
Eö]ç[ï açeGçEöç[ïç

d) Gautam Gambhir
åGìTö] গম্ভীৰ
åGìTö] গম্ভী[ï

20. The first film produced in India was s:
\ïç»Tö» YU] EöUçKö×[ï cö'_ -
\ïç[ïãTö[ï YU] ×aãX]ç cö+_ -

a) Alam Ara
%ç_] %ç»ç
%ç_] %ç[ïç

b) Raja Harish Chandra
»Lç cö×»` Jö³V
[ïçLç cö×[ï` Jö³V

c) Sakuntala
`EöÜö_ç
`EöÜö_ç

d) None of these
+^ç» A0öçC Xcö^
+cöçãV[ï AEö×0öC X^

21. In India the governor of a state is appointed by :
\ïç»Tö[ïbTö »çLîYç_Eö åEöçãX ×X^×Nþ ×Vã^ ?
\ïç[ïTö[ïãb [ïçLîYç_ãEö ×X^×Nþ åVX -

a) The Chief Justice
]Fî Xîç^ç×Wý`
]Fî Xîç^ç×Wý`

b) The Prime Minister
YWçX]Ü×ã^
YWçX]Ü×

c) The President
»çrö Y×Töã^
[ïçrö Y×Tö

d) The Vice-President
=Y»çrö Y×Töã^
=Y[ïçrö Y×Tö

22. Which of the following blood groups is called 'universal donor' ?
Tö_» åEöçX åTöL» GöY»]çXcöEö aç[ïLX×X VçTöç [ï×_ åEöç¾ç cö^ ?
[ïãNþ[ï åEöçX GöãY[ï]çXbãEö aç[ïLX×X VçTöç [ï_ç cö^ ?

a) O b) AB c) A d) B

23. The Editior of 'The Assam Tribune' is -
"%çKiç] x®ðx[ý=X'» a¶YçVEð åEðçX ?
"%çaç] x®ðx[ý=X' YxiyEðç[ý a¶YçVEð åEð ?

a) Kanaksen Deka
EðXEðãaX åQiEðç
EðXEðãaX åQiEðç

b) Profulla Govinda Baruah
YZð{ åGçx[ý³V [ý»ð¾ç
YZð{ åGçx[ý³V [ý[ý^ç

c) Haidar Hussain
cç^V» §äKi+X
cç^V[ý §äa+X

d) Homen Borgohain
åcçã]X [ý»ãGçcç+
åcçã]X [ý[ýãGçcç+

24. A muslim prays five times in a day to the direction of -
ALX]Ki_]çãX xVXTð YçKi [ýç» åEðçX xV`Tð Xç]çL Yä®ð ?
AEðLX]a_]çX xVãX YçJð [ýç[ý åEðçX xVãEð Xç]çL YäQð ?

a) Towards west direction
Yx¸Jð] xV`ê_
Yx¸Jð] xVãEð

b) Direction towards the nearby mosque
CJð»»]KixLV» Zðçã_
xXEðÖð[ýwÞ]axLãV[ý xVãEð

c) Towards the direction of Quaba at Mecca
]hðç» Eðç[ýç» xV`ê_
]hðç[ý Eðç[ýç[ý xVãEð

d) Towards the north direction.
=wð» xV`Tð
=wð[ý xVãEð

25. The art of growing dwarf plants :
GKi-GKixXEð JðxÖð JðçY»êEð »Fç» Eð_çEð xEð [ýx_ åEðç¾ç cç^ ?
GçKi-GçKiçx_ãEð æKiçÖð Eðä[ý [ýçFç[ý Eð_çãEð xEð å[ýç_ç cç^ ?

a) Ikebana
+ãEðä[ýXç
+ãEðä[ýXç

b) Bonsai
[ýXKiç+
[ýXKiç+

c) Fertilization
xXãbxJðTð Eð»S
xXãbxJðTð Eð[ýS

d) Re-production
YX» =dYçVçX
YX[ý =dYçVX

General English

26 The following jumbled words have been arranged in their right order .Pick up the correct one.
"Wife, children, care, he, takes, of, his, and."

a) His wife and children takes care of he.
b) Children takes care of his wife and he.
c) He and his wife caretakes of children.
d) He takes care of his wife and children.

27. One of the following sentences is not correct. Find the incorrect one.

a) They had not anything to eat.
b) They did not have anything to eat.
c) They did not have nothing to eat.
d) They had nothing to eat.

28. The proper questions for the two sentences given below will be :
    1. Yes, there will be a show today.
    2. No, there will not be any show today.

    i) Will there be no show today ?
    ii) Will there be not no show today?
    iii) Won't there be any show today "
    iv) Won't there be no show today ?

    a) ii & iv b) i & iii c) i & iv d) ii & iii

29. They ---------- the pictures on the wall.

    a) hanged b) hung c) hinged d) swung

30. Fill in the blank with adjectives opposite in meaning to the word printed in italics.
    The knife was not *sharp.* It was ----------.

    a) Rough b) thick c) rude d) blunt.

31 We often talk to *ourselves.* The word *ourselves* is a :

    a) distributive pronoun b) reflexive pronoun c) emphasizing pronoun d) relative pronoun.

32 Fill in the blank with correct prepositions :
    We arrived ---------- Delhi ---------- noon.

    a) at , in b) to , by c) for , on d) in , at.

33. I sympathise ---------- you ---------- your misfortune.

    a) for , on b) to , at c) with , in d) with , for

34. The train ---------- an hour ago.

    a) has left b) had left c) left d) has been left.

35. "She agreed to my proposal" in passive voice this sentence will be :

    a) My proposal was agreed to.
    b) My proposal was agreed to by her.
    c) My agreement was proposed to by her.
    d) She has been agreed to my proposal.

36. ---------- two thousand people joined the strike.

    a) No less than b) Not many than c) No little than d) No fewer than

37. Pick up the correct sentence :

    a) He ran fast otherwise he should miss the train.
    b) He ran fast lest he might miss the train.
    c) He ran fast lest he should miss the train.
    d) He ran fast because he may miss the train.

38. Pick up the correct sentence :

a) If I was him, I would not do it.
b) If I were him, I would not do it.
c) If I was he, I would not do it.
d) If I were he, I would not do it.

39. Pick up the correct sentence :

a) All that glitter is not gold.
b) All that glitters is not gold.
c) All that glitters are not gold.
d) All that glitters are not golds.

40. Pick up the correct sentence :

a) If it rains we shall not play.
b) if it will rain we shall not play.
c) If it will rain we do not play.
d) If it is raining we are not playing.

Pick up the appropriate word which is similar in meaning to the *underlined* word in the given Sentence in Q. 41 and 42.

41. "Grandfather has been getting *feeble* of late."

a) Small b) diseased c) weak d) angry

42. "Your master will like you if you are *diligent*."

a) obedient b) meticulous c) hard working d) relaxing

Pick up the appropriate word which is opposite in meaning to the *underlined* word in the given Sentence in Q. 43 and 44.

43. He has a passion for *indigenous* goods.

a) native b) foreign c) cheap d) expensive

44. This offer has come as a great *boon to* me.

a) curse b) blemish c) trouble d) misfortune

Pick out the correct meaning for the *underlined* words in *italics* (Q. 45 - 47)

45. *Acoustics* is the science of ----------

a) languages b) coins and metals c) sound d) diseases

46. Only a *dare devil* can challenge the city mafia. Dare devil means:

a) a foolish person b) a rich person c) a fearless person d) a terrorist

47. He had a *close shave* as he was driving on the highway.

a) He found a bag full of currency notes.
b) He was followed by a gang of robbers.
c) He had a narrow escape .
d) His car ran out of petrol.

48. Which word will come last in a dictionary ?

a) Obvious b) obstruct c) obfuscate d) oblong

49. Which one word can be formed from the letters of the word 'REVERENCE' ?

a) NEAR b) SEER c) PEER d) NEVER

50. ' Page' is related to ' Book' as 'Leaf' is related to - :

a) Root b) Green c) Forest d) Tree

General Mathematics / açWç»S GxSTÕ / açWç[ÿS GxSTÕ

51. Temperature at the foot of a mountain is $+5^0$C. It fell down by 10^0C at the top of the mountain. The temperature recorded on the top is......
AFX Y[[ÿTÕ» YçV åV`» =bÕTç $+5^0$C %ç»ô x`F»» =bÕTç 10^0C EÕ] c÷'å_ x`F»» =bÕTç c÷[ÿ ....
Y[ÿãTÕ[ÿ YçVãVã`[ÿ =bÕTç $+5^0$C A[ÿe x`Fã[ÿ[ÿ =bÕTç 10^0C EÕ] c÷ã_ x`Fã[ÿ[ÿ =bÕTç c÷+ã[ÿ ....

a) $+15^0$C b) -15^0C c) $+5^0$C d) -5^0C

52. In the word GOPAL, What fraction of letters are made of three lines ?
GOPAL `Œ» xEÕ]çX %e` %çF» xTÕxXÕç å»Fçã» GxPÕTÕ ?
GOPAL `ŒxÕãTÕ % I ùã[ÿ[ÿ EÕTÕÕEÕ %e` xTÕXÕç å[ÿFçãTÕ GxPÕTÕ ?

a) $\frac{2}{5}$ b) $\frac{1}{5}$ c) $\frac{3}{5}$ d) $\frac{4}{5}$

53. A badminton player won 6 games and lost 4. The fraction of games he won is .....
ALX å[ÿQÕx]³ÕX åF_ê¾ã^ 6 FX åF_TÕ xLxEÕxK÷_ %ç»ô 4 FXTÕ c÷ç»xK÷_* åTÕC xEÕ]çX %e` åF_TÕ xLxEÕxK÷_ ?
AEÕLX å[ÿQÕx]³ÕX åFã_ç^çQÕ 6 Õç]îçäJÕ x[ÿL^ÿ c÷^ A[ÿe 4 Õç]îçäJÕ Y[ÿçxLTÕ c÷^, åa åF_ç[ÿ EÕTÕÕEÕ %eã` L^ÿ c÷^ ?

a) $\frac{6}{4}$ b) $\frac{4}{6}$ c) $\frac{6}{10}$ d) $\frac{5}{10}$

54. If 2805 ÷ 2.55 = 1100, then 280.5 ÷ 25.5 = ...
^xV 2805 ÷ 2.55 = 1100 c÷^, åTÕãÜÕ 280.5 ÷ 25.5 = ...
^xV 2805 ÷ 2.55 = 1100 c÷^, TÕã[ÿ 280.5 ÷ 25.5 = ...

a) 1.1 b) 1.01 c) 0.11 d) 11

55. The solution of 0.2 (2x - 1) - 0.5 (3x - 1) = 0.4 is .....
0.2 (2x-1) - 0.5(3x-1) =0.4 » a]çWíçX .....
0.2 (2x-1) - 0.5(3x-1) =0.4 A[ý a]çWíçX .....

a) $\frac{1}{11}$ b) $-\frac{1}{11}$ c) $\frac{3}{11}$ d) $-\frac{3}{11}$

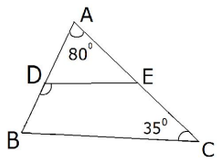
56. The average of three numbers is 60. The first is $\frac{1}{4}^{th}$ of the sum of the other two. The first number is .....
xTïXOiç aeFîç» GQi 60 Tiçã» YU] aeFîçäOiç %çX VOiç aeFîç» å^çGZi_» $\frac{1}{4}$ %e` c:ã_ YU] aeFîçäOiç c:[ý .....
xTïXOiç aeFîç[ý GQi 60, YU] aeFîçxOì %Xî V+xOì aeFîç[ý å^çGZïã_[ý $\frac{1}{4}$ %e` c:+ã_ YU] aeFîçxOì c:+ã[ý .....

a) 24 b) 36 c) 48 d) 72

57. The angle between two perpendicular lines is .....
VQiç_ _¶i å»Fç»]çL» åEiçSäOiç .....
V+xOì _¶i å[ýFç[ý]ãWíî[ý åEiçSxOì .....

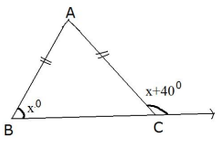
a) 30^0 b) 60^0 c) 90^0 d) 180^0

58. In the adjoining figure, it is given that D and E are the mid points of AB and AC respectively. If ∠A=80^0, ∠C=35^0 then ∠EDB= .....
Eiçb» xJiyTï D %ç»ì E yûã] AB %ç»ì AC [iç§»]WíÎ x[³V*^xV ∠A=80^0, ∠C=35^0 c:^, åTïãÜì ∠EDB= .....
Yçã`[ý xJiäy D A[je E yûã] AB A[je AC [iç§[ý]Wíîx[³V* ^xV ∠A=80^0, ∠C=35^0 c:^, Tïã[ý ∠EDB= .....



a) 120^0 b) 160^0 c) 70^0 d) 115^0

59. In the following figure if AB = AC then find ∠X
Tï_Tï xV^ç xJiyTï ^xV AB = AC c:^ åTïäÜì ∠X »]çX xXS^ Eì»ç*
XïäJì åVC^ç xJiäy ^xV AB = AC c:^, Tïã[ý ∠X A[ý]çX xXS^ Eì[ý*



a) 80^0 b) 70^0 c) 60^0 d) 110^0

60. If a, b and c are the sides of a triangle, then .....
^xV a, b %ç»ì c AOiç xly\ïL» [iç§ c:^, âTïäÜì .....
^xV AEixOì xly\ïäL[ý xTïXxOì [iç§ a, b A[je c c:^, Tïã[ý .....

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

61. Two chimneys 18m and 13m high stand upright in a ground. If their feet are 12m apart, then the distance between their tops is .....
18 x]. %ç»Ô 13 x]. =-JôTïç» VOôç xJô]XÝ]ç×ÔôTô =_¶ô \ôçã[ÿ xU^ éc: %çäK:* ^xV xJô]XÝ VOôç» mx»» V»±ô 12 x] c:^ åTïãÜô xJô]XÝ VOôç» `Ýb x[ÿ³V» V»±ô xEô]çX ?
18 x]f A[ÿe 13 x]f =-JôTïç[ÿ V+×Oô xJô]XÝ]ç×ôïãTô åaçLç Eïã[ÿ VçQô Eô[ÿçãXç c:^* ^xV xJô]XÝ V+×Oô[ÿ xX¶\ôçãG[ÿ V[ÿ±ô 12 x]f c:^, Tïã[ÿ =Y[ÿ\ôçãG[ÿ V[ÿ±ô EôTô c:+â[ÿ ?

a) 5m (x]) b) 31m (x]) c) 13m (x]) d) 18m (x])

62. If $\frac{5}{7}$ of 49+20% of 130 = x + 49 then x = ...
^xV 49» $\frac{5}{7}$+130» 20% = x + 49 c:^ åTïãÜô x = ...
^xV 49 A[ÿ $\frac{5}{7}$+130 A[ÿ 20% = x + 49 c:^, Tïã[ÿ x = ...

a) 10 b) 12 c) 16 d) 18

63. If p is 6 times that of q, what percent is q less than p ?
^xV q » 6mS p c:^, åTïãÜô pTïêEô qxEô]çX `Tïçe` Eô] ?
^xV q A[ÿ 6 mS p c:^, Tïã[ÿ p åUãEô q EôTô `Tïçe` Eô] ?

a) $12\frac{1}{2}$% b) $83\frac{1}{3}$% c) $6\frac{1}{4}$% d) $33\frac{1}{3}$%

64. What is the difference in SI if a sum of Rs. 4000 is borrowed by a person for 4 years and the rate of interest is increased from 4% to 5% ?
ALX]çXãc: 4000 0ïEïç 4 [ïK:»» [ïçã[ÿ Wïçå» xXã_ a»_ aTô» YçUEôî xEô]çX c:[ÿ ^xV aTô» c:ç» 4% » Y»ç 5% é_ [ïx^ï Eô»ç c:^*
AEôLX]çXãb 4000 0ïçEïç 4 [ïK:ã[ÿ[ÿ LXî Wïç[ÿ xXã_ a[ÿ_ aãV[ÿ YçUEôî EôTô c:+ã[ÿ ^xV aãV[ÿ c:ç[ÿ 4% åUãEô 5% [ïx^ï Eô[ïç c:^*

a) Rs. 180 b) Rs. 160 c) Rs. 140 d) Rs. 120

65. Which of the following statements is correct ?
Tô_» åEïçXäOïç =xNþ aTôî ?
X'äJô[ÿ åEïçX =xNþxOô aTôî ?

a) Every rational number is a fraction
YxTïäOïç Yx»ã]^ aeFîç+ \ôGçe`
YxTïxOô Yx[ïã]^ aeFîç+ \ôGçe`

b) Every rational number is an integer
YxTïäOïç Yx»ã]^ aeFîç+ %F‰ aeFîç
YxTïxOô Yx[ïã]^ aeFîç+ %F³Qô aeFîç

c) '0' is not a rational number
'0' æOïç Yx»ã]^ aeFîç Xc:^
'0' Yx[ïã]^ aeFîç X^

d) Every fraction is a rational number
YxTïäOïç \ôGçe`+ Yx»â]^ aeFîç
YxTïxOô \ôGçe`+ Yx[ïã]^ aeFîç

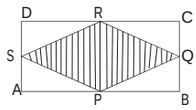
66. $\frac{-143}{21}$ = ...

a) (-6)+($\frac{17}{21}$) b) 6+ ($\frac{-17}{21}$) c) (-6) + ($\frac{-17}{21}$) d) None of these (AOïçC Xc:^ / AEïxOôC X^)

67 If two sides of an issosceles traingle are 3cm and 8cm, then the length of the third side is .....
AOiç a]x¥[ïç§ x¡y\ïL» VOiç [ïç§» éVHî yûã] 3 æK:x]. %ç»ó 8 æK:x]. c:ã_ T¤T¤ï^ [ïç§» éVHî c:[ï .....
AEi¤Oi a]x¥[ïç§ x¡y\ïãL[ï V+xOi [ïç§[ï éVHî yûã] 3 åa. x]. A[ïe 8 åa.x]. c:+ã_ T¤T¤ï^ [ïç§[ï éVHî c:+ã[ï .....

a) 3cm (æK:x].) 3 æa.x]. b) 8cm (æK:x].) 8 æa.x]. c) 3cm (æK:x].) or [ïç 8cm (æK:x].) 3 æa.x]. [ïç 8 æa.x]. d) None of these AOiçC Xc:^/AEi¤OiC X^

68. Find the area of the shaded region of the following figure.
T¤_T¤ xV^ç xJ¤yT¤ K:çã» %ç[ïwï %e`» Eiçx_ =x_C¾ç
X¥ãJ¤[ï xJ¤yxOïãT¤ K:ç^ç^ %ç[ïT¤ %eã`[ï Eiçx_



ABCD is a rectangle having length 30 cm and breadth 25cm. P,Q,R,S are midpoints of AB, BC, CD and AD respectively.
ABCD **AOiç %ç^TïãIïy ^ç» VÝH** 30 æK:x]. %ç»ó **Yøï** 25 æK:x].* P,Q,R,S **yûã]** AB, CD **%ç»ó** AD **»]Wîî x[ï³V***
ABCD **AEi¤Oi %ç^TïãIïy ^çc:ç[ï éVHî** 30 åa.x]. **A[ïe Yøï** 25 åa.x].* P,Q,R,S **yûã]** AB, CD **A[ïe** AD **A[ï]Wî¤[ï³V***

a) 375m² (x]²) b) 375cm² (æK:x]²)/(æa.x]²) c) 475m² (x]²) d) None ofe these AOiçC Xc:^/AEi¤OiC X^

69. The area of the largest traingle that can be inscribed in a semicircle whose radius is r cm is .....
r æK:x]. [ïîçaçWï» %W[ïwïT¤ %eEiS Ei¤»[ïïYç»ç [ïc:wï] %ÜïfïxïyïL» Eiçx_ .....
r æa:x]. [ïîçaçãWï[ï %W[ïãwï %eEiS Ei¤[ïãT¤Yç[ïç [ïc:wï] %ÜïfïxïyïãL[ï Eiçx_ .....

a) 2r cm² (æK:x]²)/(æa.x]²) b) r² cm (æK:x].²)/(æa.x]²) c) 2r² cm² (æK:x].²)/(æa.x]²) d) $\frac{r}{2}$ cm² (æK:x].²)/(æa.x]²)

70. Add (å^çG Eï»ç/ å^çG Eï[ï)
$\frac{a^2}{2}+\frac{b^3}{3}-\frac{c^3}{4}$, $\frac{2a^2}{3}+\frac{3b^3}{4}-\frac{4c^3}{5}$, $a^2+b^3+c^3$

a) $\frac{13}{6}a+\frac{25}{12}b^3-\frac{1}{20}c^3$ b) $\frac{13}{6}a^2-\frac{1}{20}b^3+\frac{25}{12}c^3$
c) $\frac{13}{6}a^2-\frac{25}{12}b^3-\frac{1}{20}c^3$ d) None (AOiçC Xc:^)/ AEi¤OiC X^

71. If $3^x = 500$ then the valueof 3^{x-2} is .....
^xV $3^x = 500$ c:^, åTïãÜï 3^{x-2} »]çX c:[ï .....
^xV $3^x = 500$ c:^, Tïã[ï 3^{x-2} A[ï]çX c:+ã[ï .....

a) $\frac{100}{9}$ b) $\frac{1000}{9}$ c) $\frac{500}{9}$ d) $\frac{500}{3}$

72. If (^xV) $\sqrt{1+\frac{27}{169}} = 1+\frac{x}{13}$, then (åTïãÜï/ Tïã[ï) x = ...

a) 1 b) 14 c) Can not be determined xXS^ Ei¤»[ï åXç¾ç» xXS^ Ei¤[ïãT¤ Yç¤[ïXç d) None of these AOiçC Xc:^ AEi¤OiC X^

73. $\left(\frac{x^a}{x^b}\right)^c \times \left(\frac{x^b}{x^c}\right)^a \times \left(\frac{x^c}{x^a}\right)^b$ = ...

a) 2 b) 0 c) 1 d) None (A0ïçC Xc:^/ AEïx0ïC X^)

74. If the area of a circle is A, radius of the circle is r and circumference of it is C, then .....
^xV A0ïç [ïw» Eïçx_ A, [ïîçaçWï r %ç»ó Yx»xWï C c:^, åTïãÜï .....
^xV [ïãwï[ï Eïçx_ A, [ïîçaçãWï r A[ïe Yx[ïxWï C c:^, Tïã[ï .....

a) rC = 2 A b) $\frac{C}{A} = \frac{r}{2}$ c) $AC = \frac{r^2}{4}$ d) $\frac{A}{r} = C$

75. The cost price of 25 articles is equal to the SP of 20 articles. Find gain% .....
25 x[ïWï aç]Gí» xEïXçVç] 20 x[ïWï aç]Gí» x[ïyôï]_î» a]çX c:ã_ `TïEï»ç _ç\ï c:[ï .....
25 xOï aç]Gí[ï yô^]_î 20 xOï aç]Gí[ï x[ïyô^]ã_î[ï a]çX c:+ã_, _ç\ï EïTï c:+ã[ï ?

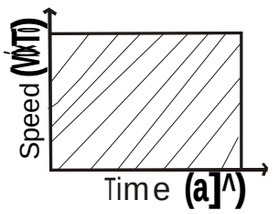
a) 20% b) 25% c) 30% d) None A0ïçC Xc:^ / AEïx0ïC X^

General Science / açWïç»S x[ïpûçX / açWïç[ïS x[ïpûçX

76. Kinetic energy of a gas molecule depends on .....
ãGK:» %X» GxTï `xNþ ..... » CY»Tï xX\ï» Eïã»*
Gîçãa[ï %X[ï GxTï `xNþ ..... =Y[ï xX\ï[ï Eïã[ï*

a) Pressure JïçY Jïçã Y[ï
b) Volume %ç^TïX %ç^TïãX[ï
c) temperature =bôTïç =bôTïç[ï
d) All the above %çOïç+ãEï+0ïç a[ïEï^xOï

77. The area of the shaded portion in the graph shown below represents .....
Tï_Tï xV^ç å_F» K:çã» %ç[ïTï %e`» Eïçx_ã^ ..... Eï [ïL ç^*
xXä¶ï åVC^ç å_ãF[ï K:ç^ç^ %ç[ïwï %eã`[ï Eïçx_ ..... å[ïçMïç^*



a) distance V»ti V[ïti
b) speed VïxTï å[ïG
c) time a]^ a]^
d) none of these A0ïçC Xc:^ AEïx0ïC X^

78. 1 cal (åEï_x» / åEï_x[ï) = ...

a) 10 joules L_
b) 4·18 joules L_
c) 4·18 dynes Qïç+X
d) none of these A0ïçC Xc:^ / AEïx0ïC X^

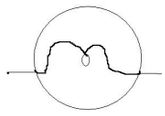
79. Radius of curvature of plain mirror is .....
a]T0_ VçãYçX» \içL [jîçacçWj .....
a]T0_ VYãS[j \içL [jîçacçWj .....

a) positive
Wj Xç±ÁE0
b) negative
@Sç±ÁE0
c) infinity
%a'l]
d) none of these
A0içC Xc^ / AE0ixi0C X^

80. Which of the following is a reflector of light ?
T0_» åE0içXäO0iç åYçc:»» YxT0Z0_E0 ?
X'äJ0[j åE0içXxO0 %çã_ç[j YxT0Z0_E0 ?

a) Sun
a^î
b) Moon
J0³V
c) Star
T0»ç / T0ç[jç
d) Filament
xZ0_çã]³0i

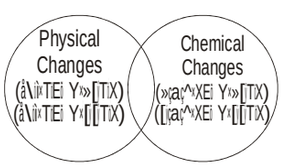
81. Which of the following is the symbol for a bulb ?
T0_» åE0içXäO0iç é[jVî0xT0lE0 [jç_» YxT0lE0 xc:J0içãY [jîç¾çiç» E0»ç c:^ ?
X'äJ0[j åE0içXxO0 é[jVî0xT0lE0 [jçã_[j YT0'lE0 xc:açã[j [jîç[jc:ç[j E0[jç c:^ ?

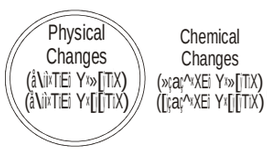
a) 
b) 
c) 
d) 

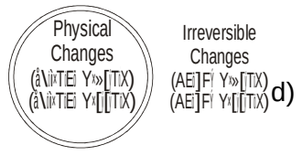
82. An electric heater is used by us to convert electrical energy to .....
%çx] [jîç¾çiç» E0»ç é[jVî0xT0lE0 xc:O0içx» æO0içã¾ é[jVî0xT0lE0 `xNþE0 ..... é_ »0Yçü0» E0ã»*
%ç]çãV[j [jî[jc:ç[j E0[jç é[jVî0xT0lE0 xc:O0ç[j é[jVî0xT0lE0 `xNþãE0 ..... [j0YçÜ0[j E0ã[j*

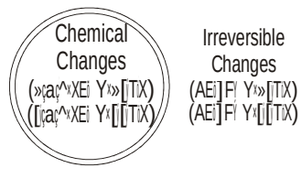
a) heat energy
T0çY `xNþ
T0çY `xNþ
b) light energy
åYçc:» `xNþ
%çã_çE0 `xNþ
c) both 'a' & 'b'
'a' **%ç»0** 'b' **=\i^**
'a' **A[je** 'b' **=\i^**
d) chemical energy
»çaç^xXE0 `xNþ
[jçaç^xXE0 `xNþ

83. Which of the following venn diagrams shows the relationship between changes correctly ?
পৰিবৰ্ত্তন সমুহৰ মাজৰ সম্বন্ধ তলৰ কোনটো ভেন চিত্রই সঠিক ভাবে প্রদর্শন কৰে ?
পরিবর্তন সমূহের মধ্যের সম্বন্ধ নীচের কোন ভেন চিত্রটি সঠিকভাবে প্রদর্শন করে ?

a) 

b) 

c) 

d) 

84. Sulphuric acid is formed when ..... reacts with water.
..... å^ YçX'» _GT0 x[jxy0^ç E0i» Jiç_xZ0i=x»E0 AxJi0i =dY~ E0ã»*
Lã_[j x[jxy0^ç ..... A[j açãU Hx0iã_ aç_xZ0i=x[jE0 AxaQi =dY~ c:^*

a) SO_2
b) S
c) SO_3
d) O_2

85. $Na_2CO_3+2HCl \rightarrow$ .....

a) NaCl + O_2 + H_2 b) NaCl + O_2 c) NaCl + H_2O d) 2 NaCl + CO_2 + H_2O

86. The monsoon winds that carry a lot of water to India come from the .....
..... å]ìJö]Ý [jTçãc: \iç»To[jbê_ ^ãUcö YçXÝ Eö×Rö^ç+ %çãX*
..... å]ìa]Ý [jç^ \iç[jTo[jãb ^ãUrö Yx[j]çãS L_ [jc:X Eö×[j^ç %çãX*

a) North east =w»-Y[j =w[j-Y[j
b) North west =w»-Yx¸Jö] =w[j-Yx¸Jö]
c) South east Vx\iS-Y[j Vx\iS-Y[j
d) South west Vx\iS-Yx¸Jö] Vx\iS-Yx¸Jö]

87. The density of water is greatest at .....
..... To YçXÝ» HX±ö %çOöç+TöêEö å[j×K:*
..... åTö L㠖[j HX±ö a[jJöç+ãTö å[j`Ý*

a) O°C b) 4^oC c) 100^oC d) 37^oC

88. The chemical formula of ice is .....
[j»Zö» »çaç^xXEö aeãEöTö éc:äK: .....
[jÝ[jãZö[j [jçaç^xXEö aeãEöTö c:+_ .....

a) H_2 b) O_2 c) H_2O d) H_2O_2

89. Non metallic oxides react with water to form .....
%W\çTö» % j ç+ãQö YçXÝ» _GTö ×[j×yÔ^ç Eö×»ã_ ..... =dY~ c:^*
%W\çTö[j % j ç+Qö L㠖[j aã† ×[j×yÔ^ç Eö×[jã_ ..... =dY~ c:^*

a) acids AxJöQö AxaQö
b) bases I\iç» I\iç[j
c) salt _¾S _[jS
d) none of these AOöçC Xc:^ AEö×OöC X^

90. Which of the following grow into a new fungi plant ?
To_» åEöçXäOöç» Y»ç XTöX å\öEö»» =dYxw c:^ ?
XÝäJö[j åEöçXxOö c:+ãTö XTöX ..... =dYxw c:^*

a) Seeds [jÝL [jÝL
b) Spores å»S å[jS
c) Pollen Y»çG Y[jçG
d) none of these AOöçC Xc:^ AEö×OöC X^

91. Carnivorous plants .....
YTöeGã\içLÝ .....

a) kill insects =xàöãV EöÝTö-YTöeG Fç^ =xàöãV EöÝOö-YTöeG Fç^
b) perform anaerobic =xàöV» %[jçTö `aX c:^ =xàöãV[j %[jçTö `aX c:^
c) contain alimentary canal =xàöV» FçVîX_Ý %çäK: =xàöãV[j FçVîX_Ý %çäK:
d) All the above %çOöç+ãEö+Oöç a[jãEö^×Oö

92. Most of the digestion and absorption of food takes place in ....
.... Tô å[ý×K÷\içG YçJôX %ç»ô å`çbS aeGxPôTô c÷^*
.... å[ý×`[ý\içG YçJôX A[ýe å`çbS aeGxPôTô c÷^*

a) Stomach YçEôØô_ýTô b) Liver ^Eôd c) Small intestine IôVçÜô d) Large intestine [ýc÷VçÜô

93. Bile is secreted by ....
.... å^ ×YwI»a a»S Eôã»*
.... ×YwI[ýa ×XfaTô Eôã[ý*

a) Stomach YçEôØô_ý b) Small intestine IôVçÜô c) Pancreas %Gç`^ d) Liver ^EôTô

94. Which of the following country leads the world in silk production ?
Tô_» åEôçXäOôç åV`Tô %çOôç+TôêEô å[ý×K÷ ×Jô'ô =dY~ c÷^ ?
XýäJô[ý åEôçX åVã` a[ýJôç+ãTô å[ý`ý ×a'ô =dY~ c÷^ ?

a) India \iç»Tô / \iç[ýTô b) Srilanka `ý_eEôç c) Nepal åXYç_ d) China JôýX

95. Sheeps in .... region have thicker fur than the sheeps living in .... region.
.... %‡û_» å\iQiç» .... %‡û_» å\iQiçTôêEô QiçPô åXç] UçãEô*
.... %Aôã_[ý å\iQiç[ý .... %‡ûã_[ý å\iQiç c÷+ãTô å[ý`ý å]çOôç å_ç] UçãEô*

a) Warm, Cold =bô, `ýTô b) Cold, Warm `ýTô, =bô c) Hot, Warm G»] / G[ý], =bô d) Warm, hot =bô, G»] / G[ý]

96. Which of the following kill the organisms in the soil ?
Tô_» åEôçXäOôçã¾]çxOôTô UEôç L¾çS W[ýea Eô×»[ý Yçã» ?ô
XýäJô[ý åEôçX×Oô]çxOôãTô UçEôç L[ýçS W[ýea Eô×[ýãTô Yçã[ý ?

a) Metallic substances WçTô[ý YVçU / WçTô[ý YVçU b) Earthern Pots]çxOô» Yçy /]çxOô[ý Yçy c) Polythene bags and plastics Y×_xUX å[ýG %ç»ô Yçxr Eô / Y×_xUX å[ýG A[ýe YçxrEô d) Glass ware EôçK÷» Yçy / EôçäJô[ý Yçy

97. Lactic acid accumulation leads to ....
åVc÷Tô å_Eô×OôEô A×JôQi» Y×»]çS %×WEô c÷ã_..........................
`[ýã[ý å_Eô×OôEô A×aäQi[ý Y×[ý]çS %×WEô c÷+ã_ ....

a) liver fatigue ^EôTô V[ý_ c÷^ b) muscle fatigue åY`ý V[ý_ c÷^ c) kidney fatigue [ýhô V[ý_ c÷^ d) All the above %çOôç+ãEô+Oôç / a[ýEô^×Oô

98. Which of the following animals breathe through their skin and lungs ?
Tï_» åEïçXäØïç YçSÝã^ Kç_ %ç»ï cçCZïçC» açcç^Tï =`çc-ÿX`çc _^ ?
XÝäJï[Ý åEïçX YçSÝ ±ïEï A[Ýe ZïaZïãa[Ý açcçã^î `ça Y`ça ÿXã^ UçãEï ?

a) Fish
]çK

b) Frog
å\ïEïÿ_ / [Ýîç I

c) Snake
açY

d) Earth worm
åEïJï / åEïäJïç

99. Plants store waste materials in ....
=ÿàïãV .... Tï [ÝLî YVçU L]ç Eïÿ» »çãF*
=ÿàïV .... [ÝLî YVçU L]ç Eïã[Ý [ÝçãF*

a) Old leaves
Y»ÿS YçTï
Y[ÝSç YçTïç^

b) Vacuoles
»aWçXÝ
[ÝaWçXÝ

c) both 'a' & 'b'
a %ç»ï b =\ïã^
a A[Ýe b =\ïã^

d) none of the above
AØïçC Xc^
AEïØïC X^

100. Match the following :
Tï_Tï ÿV^çã[ç» ÿ]ã_çC¾ç f
XÝäJï[Ýmã_çãEï açLçC f

1. Kidneys ([Ýhï)Ý
2. Heart (cïdÿY‰)
3. Lungs (cçCZïçC / ZïaZïa)
4. Stomach (YçEïØï_Ý)

i) Air ([Ýç^)
ii) Food (FçVî)
iii) Blood (åTïL / [ÝNþ)
iv) Wastes ([ÝLî YVçU)

a) 1-i, 2-iii, 3-iv, 4-ii
b) 1-iv, 2-iii, 3-i, 4-ii
c) 1-iii, 2-iv, 3-ii, 4-i
d) 1-iv, 2-iii, 3-ii, 4-i

XXX THE END XXX