

AJMAL NATIONAL TALENT SEARCH (ANTS) EXAMINATION - 2014

Conducted by : **AJMAL FOUNDATION**, A Registered Public Charitable Trust
Hojai, Nagaon (Assam)

ANTSE/H. S./3200

Class / **ଅଷ୍ଟମିକ ଶ୍ରେଣୀ** H. S.

INSTRUCTIONS TO CANDIDATE

- Write your **CENTRE CODE AND ROLL NO.** legibly in the **OMR ANSWER SHEET ATTACHED**. Do not write your name anywhere in the **ANSWER SHEET**.
- Questions are of multiple-choice type carrying one mark each and all questions are compulsory.
- 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:



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

ଅନୁପରୀକ୍ଷାକାରୀଙ୍କୁ ନିର୍ଦ୍ଦେଶ

- ଅନୁପରୀକ୍ଷାକାରୀଙ୍କୁ ନିଜର କେନ୍ଦ୍ର କୋଡ୍ ଓ ରୋଲ୍ ନମ୍ବର ସ୍ପଷ୍ଟ ଭାବରେ ଯୋଡ଼ା ହୋଇଥିବା ଓମିଆର ଉତ୍ତର ଫର୍ମରେ ଲେଖିବାକୁ ହେବ । ନାମ କେଉଁଠି ଲେଖିବାକୁ ହେବ ତାହା ଧ୍ୟାନ ଦେବାକୁ ହେବ ।
- ସମସ୍ତ ପ୍ରଶ୍ନ ଉତ୍ତର ଯୋଡ଼ା ହୋଇଥିବା ଏକ ଓମିଆର ଉତ୍ତର ଫର୍ମରେ ଲେଖିବାକୁ ହେବ ।
- ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ । ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ । ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ ।
- କେବଳ ଠିକ୍ ଉତ୍ତରକୁ ଧଳା କ୍ରିଡ୍ ଲେଖିବାକୁ ହେବ । ଅନ୍ୟ କୌଣସି ଉତ୍ତରକୁ ଧଳା କ୍ରିଡ୍ ନକରିବାକୁ ହେବ ।
- ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ । ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ । ଉତ୍ତର ଦେବାକୁ ହେବାକୁ ହେବ ।
- କୌଣସି ଯନ୍ତ୍ରଣା କିମ୍ବା ଡିଜିଟାଲ୍ କାଲକ୍ୟୁଲେଟର (କାଲକ୍ୟୁଲେଟର ଇତ୍ୟାଦି) ପରୀକ୍ଷା ସମୟରେ ବ୍ୟବହାର କରିବାକୁ ଅନୁମତି ନାହିଁ ।
- ମୋବାଇଲ୍ ଫୋନ୍ ଉପରେ ପରୀକ୍ଷାକାରୀଙ୍କୁ ପରୀକ୍ଷା କକ୍ଷରେ ବ୍ୟବହାର କରିବାକୁ ଅନୁମତି ନାହିଁ ।
- କୌଣସି ପରୀକ୍ଷାକାରୀ ପରୀକ୍ଷା କକ୍ଷରୁ ପ୍ରଥମ ଘଣ୍ଟା ପର୍ଯ୍ୟନ୍ତ ଛାଡ଼ିବାକୁ ଅନୁମତି ନାହିଁ ।
- ଉପରୋକ୍ତ ନିର୍ଦ୍ଦେଶମାନଙ୍କର କୌଣସି ଉଲ୍ଲଙ୍ଘନା ପରୀକ୍ଷାକାରୀଙ୍କୁ ଉପଯୁକ୍ତ ନୀତିମାନାମାନଙ୍କ ଅନୁଯାୟୀ ଦଣ୍ଡନୀୟ କରିବ ।

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Class : H.S.

Time : 2 hours / 2 గంటలు

Full Marks / పూర్తి మార్కులు (40+40+20)=100

General Studies

1. Which of the following parties were established by Dr. B.R Ambedkar ?

కొన్ని కింది పార్టీలు డా. బి.ఆర్. అంబేద్కర్‌చే ఏర్పాటు చేయబడ్డాయి ?

1. The Peasants and Workers Party of India / ఆంధ్ర ప్రదేశ్ రైతులు మరియు పనికొరవల పార్టీ

2. All India Scheduled Castes Federation / అన్ని భారతీయ అభివృద్ధి చెందిన వర్గాల సంఘం

3. The independent Labour Party / స్వతంత్ర పనికొరవల పార్టీ

Select the correct answer using the codes given below :

క్రింది ఎంపికలలో సరైన సమాధానాన్ని ఎంచుకోండి :

(A) 1 and 2 only (B) 2 and 3 only (C) 1 and 3 only (D) 1, 2 and 3

2. With reference to Indian History, the Members of the Constituent Assembly from the Provinces were

భారత చరిత్రకు సంబంధించి, రాజకీయ సభ్యులకు సంబంధించి, రాష్ట్రాల నుండి ఎంపిక చేయబడిన సభ్యులు

1. directly elected by the people of those Provinces / ఆ రాష్ట్రాల ప్రజలచే నేరుగా ఎంపిక చేయబడినవారు

2. nominated by the Indian National Congress and the Muslim League / భారత జాతీయ కాంగ్రెస్ మరియు ముస్లిం లీగ్‌లచే నియోజితులు

3. elected by the Provincial Legislative Assemblies / రాష్ట్ర ప్రావిన్షియల్ లెజిస్లేటివ్ అసెంబ్లీలచే ఎంపిక చేయబడినవారు

4. selected by the Government for their expertise in constitutional matters / రాజకీయ సభ్యులకు సంబంధించి, రాష్ట్రాల నుండి ఎంపిక చేయబడినవారు

3. Subsidy means / సబ్సిడీ అంటే / అర్థం / సబ్సిడీ అంటే / అర్థం

(A) payment by government for purchase of goods and services / సబ్సిడీ అంటే ప్రభుత్వం వారి వారు కొనుగోలు చేసే వస్తువులు మరియు సేవలకు చెల్లించే మొత్తం

(B) payment made by business enterprises to factors of production / సబ్సిడీ అంటే వ్యాపార సంస్థలచే ఉత్పాదక కారకాలకు చెల్లించే మొత్తం

(C) payment made by companies to shareholders / సబ్సిడీ అంటే కంపెనీలచే షేర్‌హోల్డర్లకు చెల్లించే మొత్తం

(D) payment made by the government to business enterprises, without buying any goods and services / సబ్సిడీ అంటే ప్రభుత్వం వారి వారు కొనుగోలు చేసే వస్తువులు మరియు సేవలకు చెల్లించే మొత్తం

4. Observe the relationship in the series and on that basis fill in the space will question mark.

YD A [y] nEo > \$c^0 Y&S Eo>ç a^>T0ç f / YD A [y] nEo > j0c^0 y 0nax >Eo ca[y ^FX f

A=D B=F C=H D=?

- (A) I (B) J (C) L (D) M

5. Economic goods are... / %UeX>T Eo ac] GÜ c: f

- (A) all commodities that are limited in quantity as compared to their demand
(B) Commodities which are available according to their demand
(C) Commodities which are available more as compared to demand
(D) None of the above

6. Statement: Severe drought is reported to have set in several parts of the country.

=>Np f aV > >[y^0 YÜÜ0 \ÜbS F>ç %3/0> F[y aYç/ç eGak:/ =>Np f aVa [y >[y^0 YÜÜ0 YÜ00 F[y] F[y] YçCç aGak*

Courses of Action : i. Government should immediately make arrangement for providing financial assistance to those affected.

Eç^i YÜç f \$oEo> TçdI üSEdç[y I üTGDö aEo_ç_ >[yvd^ acç^i %ç[y] aPç/ç =>çTö
a[Eç]y TçdI üSEdç[y I üTGDö aEo_ç_ >[yvd^ acç^i aVçCç =>çTö

ii. Food, water and fodder L should immediately be sent to all these areas to save the people and cattle.

aa+ Aa_Eçç_ TçdI üSEdç[y] ççç= %ç0 Yç» LÿX »I ç [ç]y Fç/i, YçY %ç0 Yç Fç/i YäPç/ç =>çTö
aama_ç A_çç^ TçdI üSEdç[y] ççç A[yç Yç[y LY[X [y] ç]y LXi Fç/i, L_ C YçFç/i YçPçXç =>çTö

- (A) Only i follow
(B) Only ii follow
(C) Either i or ii follow
(D) Both i and ii follow

7. Which is India's highest peacetime gallantry award ?

`çÜEç X %3/0çTö \çTö aa[ç]ç acç+aEçTö Yç•ç c: f / \ç]yTçy `çÜEç X aa[ç]ç acç+aEçTçy Yç]ç]ç c: f

- (A) Param Vir Chakra (B) Ashok Chakra (C) Kirti Chakra (D) Shourya Chakra

8. The proposed National Counter Terrorism Centre (NCTC) will work as an integral part of which of the following agencies ?

Y004yT0 "»qñ Y0T0 aU0ca[y/ a000»" T0 » aE0Xa00 ae00» %>[y-KVi %eG x00aY E0] E0»[y ?
Y004yT0 "Yñ Y0T0 aU0ca[y/ aa³00y' Xñadly aE0X ae00ly %>[y-KVi %eG x00aY E0L Edlyaly ?

- (A) Central Bureau of Investigation (CBI) (B) Intelligence Bureau (IB)
- aa³00 [y0ç %>[y+Xa\000G\$X +x00x_ aL t0 [y0ç
- aa³00 [y0ç %>[y+Xa\000G` X +x00x_ aL t0 [y0ç
- (C) Research and Analysis Wing (RAW) (D) National Security Guard (NSG)
- »00L UA%0 AXç_ç+00 =+e aX0aX_ 0E0-»0 G00
- XyadUA%0 AXç_ç+aa =+e Xiç aX_ »aE0-ly0 G00

9. Which state made Chess classes compulsory in schools to improve cognitive skills of students from this academic year ?

A+ [y»» Y»ç+ aE0X »çLiT0 "T0t" (V[y] aF_ key-keyly a[y0ly `»lp =w0S» [yaly yVic_ rT0 [y0T0]É E0 E0ç écaK:-?
A+ [yly aUaE0 aE0X [yLi "Vçly" aF_ç key-keyly a[y0ly `»lp =wlySly LXi yVic_ a^ [y0T0]É E0 E0ly ?

- (A) Andhra Pradesh (B) Tamil Nadu (C) Kerala (D) Bihar
- aa³00 [y0ç T0x]_ X00 aE0ç_ç / aEdly_ yç» / yçly

10. What will follow if a Money Bill is substantially amended by the Rajya Sabha ?

A00ç y[yn0ly »çLi a\0T0 a[y0ly aea` 0M E0»a_ E0c:-ly ? / AE00 y[yn0ly [yLi a\0ç a[y0ly aea` 0M Edya_ E0 c-aly ?

- (A) The Lok Sabha may still proceed with the Bill, accepting or not accepting the recommendations of the Rajya Sabha
- »çLi a\0ç (aea` 0M) alyç»0 G0X E0» %U[y G0X XE0çE0^ a_çE0\0ç+ y_ a0ç Yç0 E0»[y Yç»
- [yLi a\0ç alyçly G0X E0ly [y Xç E0ly a_çE0\0ç y_»0 Yç` EdyaT0 Yçly*
- (B) The Lok Sabha cannot consider the Bill further
- a_çE0\0ç+ y_ a0ç y[yl0Xç E0»[y aXçç»[y / a_çE0\0ç y_»0 y[yl0Xç EdyaT0 Yçly Xç
- (C) The Lok Sabha may send the Bill to the Rajya Sabha for reconsideration
- a_çE0\0ç+ y_ a0ç »çLi a\0ç_ YK» y[yl0Xç [yaly YP0çly Yç» / a_çE0\0ç y_»0 [yLi a\0ç YK y[yl0çly LXi Y00aT0 Yçly
- (D) The President may call a joint sitting to pass the Bill
- »qñ T0^ ^00ç %»[y X %ç0K E0»[y Yç»* / [yñ T0 a^iU %»[y X %ç0K EdyaT0 Yçly

11. Statement : Minimum age to become a voter is 18 years while minimum age for marriage is 21 years in India.

=> Np f

\o Tto a\o\wEo» [yal\X\T] [ya 18 [k» Eo\y\yc» [yal\ 21 [k»
 \o\yTo a\o\wEo\y XKiTo] [ya 18 [k\y ^FX \y\yac\y XKiTo] [ya 21 [k\y

Assumptions :

- (1) A tender aged voter's decision is based on emotion, not realities.
 ALX Eo\ » » a ^i\o\%ca\G» CY»To X\o` Y_ - [y\o\» CY»To XcF
 AEdLX Eo\ ca\y » a ^i\o\%ca\G\y =Y\y X\o\y Y_ - [y\o\]y =Y\y X\
- (2) A married man's decision is based on reality, not emotion.
 ALX \y\yc\to [y\Np» a ^i\o\%ca\G [yL\o [y\o\» CY»To X\o` Y_
 AEdLX \y\yc\to [y\Np a ^i\o\%ca\G [yL\o [y\o\]y =Y\y X\o\y Y_
- (3) A tender aged voter's decision is free from all considerations.
 ALX Eo\ » » a ^i\o\%ca\G %\o\o` » Y»c]Np
 AEdLX Eo\ ca\y » a ^i\o\%ca\G %\o\o` aUaEo]Np
- (4) A married man's maturity is based on past experience and expectations.
 ALX \y\yc\to [y\Np» Y»Yho\c aToc\ %\o\o\o` » CY»To X\o` Y_
 AEdLX \y\yc\to [y\Np\y Y\Yho\c Toc\y %\o\o\o` A\y %c` d\y =Y\y X\o\y Y_

Choose the correct assumption / E^u =w»a\o [y\% =x_C\ç f / E^u =w\y\o a\y\k=XçC f

- (A) 1, 2 and 3 True
- (B) 2, 3 and 4 True
- (C) 1, 3 and 4 True
- (D) All true

12. Consider the following statements : Attorney General of India can.

To_ » => Np] E^÷ \y\o\ç Eo\ç f \o\To]c\%w\Npç+
 X\ad\y => Np] E^÷ \y\o\ç Eo\ç f \o\y\To]c\%w\Npç+

- 1. Take part in the proceedings of the Lok Sabha
 a_c\o\o` Eo\]Eo\LTö %e` GBS Eo\» [y Yç»
 a_c\o\o\y Eo\LEo\]i %e` GBS Eo\y\To Yç\y\X
- 2. Be a member of a committee of the Lok Sabha
 a_c\o\o` » ^a_c\o\ç Eo\]o\ aVai c^ [y Yç»
 a_c\o\o\y » ^a_c\o\ç Eo\]o\y aVai ca\o Yç\y\X
- 3. Speak in the Lok Sabha
 a_c\o\o`To [yNp\ç \ [y Yç»
 a_c\o\o` [yNp\ç \a\To Yç\y\X
- 4. Vote in the Lok Sabha
 a_c\o\o`To a\o\o` \ [y Yç»
 a_c\o\o` a\o\o` \a\To Yç\y\X

Which of the statement(s) given above is/are correct ?

CY»» aEo\Xa\ç / aEo\X => Np\o E^u ?

- (A) 1 only
- (B) 2 and 4
- (C) 1, 2 and 3
- (D) 1 and 3 only

13. Variations in the length of day time and night time from season to season are due to

১৩. দিন ও রাতৰ দৈৰ্ঘ্যৰ মাজত ঋতুৰ পৰিৱৰ্তন হোৱাৰ কাৰণ হৈছে

- (A) the earth's rotation on its axis
পৃথিৱীৰ অক্ষৰ ওপৰত ঘূৰিবলৈ
- (B) the earth's revolution round the sun in an elliptical manner
পৃথিৱীৰ সৌৰৰ ওপৰত অণুচক্ৰীয় পথেৰে ঘূৰিবলৈ
- (C) latitudinal position of the place
ঠাইখন নিৰ্দিষ্ট অক্ষাংশত থকাৰ বাবে
- (D) revolution of the earth on a tilted axis
পৃথিৱীৰ এক ক্ৰান্তিত অক্ষৰ ওপৰত ঘূৰিবলৈ

14. On planet earth, most of the freshwater exists as ice caps and glaciers. Out of the remaining freshwater, the largest proportion

পৃথিৱীত প্ৰায় ৯৬% প্ৰাচীৰ পানী বৰফৰ আৰু গ্ৰীষ্মকালৰ বৰফৰ আকাৰত আছে। বাকীৰ প্ৰায় ৩% প্ৰাচীৰ পানী

- (A) is found in atmosphere as moisture and clouds
প্ৰাচীৰ পানী বায়ুৰ আৰু মেঘৰ আকাৰত আছে
- (B) is found in freshwater lakes and rivers
প্ৰাচীৰ পানী মিঠা পানীৰ হ্ৰদ আৰু নদীত আছে
- (C) exists as groundwater
প্ৰাচীৰ পানী ভূগৰ্ভস্থ পানীৰ আকাৰত আছে
- (D) exists as soil moisture
প্ৰাচীৰ পানী মাটিৰ আৰু বায়ুৰ আকাৰত আছে

15. Some Buddhist rock-cut caves are called Chaityas, while the others are called Viharas. What is the difference between the two ?

বুদ্ধ ধৰ্মৰ কিছু গুহাৰ কাটনি কৰা হৈছে। এই গুহা দুটা প্ৰকাৰৰ আছে। এটা হৈছে চায়েয়া আৰু আনটো হৈছে বিহাৰ। এই দুটাৰ মাজত কি পাৰ্থক্য আছে?

- (A) Vihara is a place of worship, while Chaitya is the dwelling place of the monks
বিহাৰ হৈছে পূজাৰ স্থান আৰু চায়েয়া হৈছে ভিক্ষুসকলৰ বাসস্থান
- (B) Chaitya is a place of worship, while Vihara is the dwelling place of the monks
চায়েয়া হৈছে পূজাৰ স্থান আৰু বিহাৰ হৈছে ভিক্ষুসকলৰ বাসস্থান
- (C) Chaitya is the stupa at the far end of the cave, while Vihara is the hall axial to it
চায়েয়া হৈছে গুহাৰ অন্তিম অংশত থকা স্তূপ আৰু বিহাৰ হৈছে ইয়াৰ সৈতে অক্ষীয় হাৰ
- (D) There is no material difference between the two
এই দুটাৰ মাজত কোনো মৌলিক পাৰ্থক্য নাই

16. The balance of payments of a country is a systematic record of :
- $\%dU\%r\%r\% \grave{a} _X\grave{a}VX = d[f\%v\%o\%A\%F\%X \grave{a}V \gg Y\%S\%c _V[\%y \grave{u} \dots\dots\dots \times \%s\%c\%y _ / \%dU\%r\%r\% \grave{a} _X\grave{a}VX = d[f\%v\%o\%A\%E\%o\%v\%a _ [\%y _Y\%S\%c _V[\%y \grave{u} \dots\dots\dots \times \%c\%a\%c\%y _$
- (A) all import and transactions during a given period normally a year
 $A\%O\%c _ [\%k \gg T\%o \grave{a} \%c \%e \%c _ \%c _] V\%c\%X _ \%c \%o _ T\%o \gg \grave{a} V\%X _ Y\%c\%X _ Y \gg \grave{a} _ d\%y _ / _ A\%E\%o\%o _ [\%k \grave{a} _ y _ c _ c _ r _ c _ \%c _] V\%c\%X _ A _ [_ y _ T\%o _ y _ E\%o _ L _ E\%o _ y _ y _ y _]$
 - (B) goods exported from a country during a year
 $A\%O\%c _ [\%k \gg T\%o \gg S\%c\%X\%E\%o\%a\%c _] G\%o _ / _ A\%E\%o\%o _ [\%k \grave{a} _ y _ [_ S\%c\%X\%E\%o\%a\%c _] G\%o _]$
 - (C) economic transaction between the government of one country to another
 $A\%F\%X _ \grave{a} _ v\%a _ \%c\%X _ A\%F\%X _ \grave{a} _ v _ \gg _ G\%T\%o _ E\%o\%c _ \%c _ U\%E\%o _ \grave{a} _ X\grave{a} _ V\%X _ / _ A\%E\%o _ \grave{a} _ v\%a _ [\%y _ a\%c\%u _ \%X\%i _ \grave{a} _ v\%a _ [\%y _ \%c _ U\%E\%o _ \grave{a} _ X\grave{a} _ V\%X _]$
 - (D) capital movements from one country to another
 $A\%F\%X _ \grave{a} _ v _ \gg _ Y \gg \%c _ X _ A\%F\%X _ \grave{a} _ v _ \grave{e} _] _ E _ V\%X _ \times _ [_ y _ X _ \grave{a} _ c _ G _ / _ A\%E\%o _ \grave{a} _ v _ \grave{a} _ U\%a\%E\%o _ \%X\%i _ \grave{a} _ v\%a _] _ E _ V\%X _ \times _ [_ y _ X _ \grave{a} _ c _ G _]$

17. Disguised unemployment generally means :
- $/ \%s\%j\%a\%y _ \acute{y} _ \times \%X\%X\%c _ \%U\%i _ \acute{e}\%c\%a\%k _ / _ K\%z\%j\%a\%y _ \acute{y} _ \grave{a} _ [_ E\%o _ y _] _ c _ = _ f _ -$
- (A) large number of people remain unemployed
 $[_ y _ S\%a\%e\%F\%i\%E\%o _] _ c _ X _ c _ = _ \times \%X\%X\%c _ \acute{e}\%c _ = _ U\%E\%c _ _ \%a\%e\%F\%i _] _ c _ X _ \grave{a} _ [_ E\%o _ y _] _ c _ \grave{a} _ U\%c _ c _]$
 - (B) alternative employment is not available
 $\times _ [_ E\%o _ _ \times _ \wedge _ \theta _] _ \% _ \backslash _ c _ y _ _ \times _ [_ E\%o _ _ \times _ \wedge _ \theta _] _ y _ _ \backslash _ c _ y _]$
 - (C) marginal productivity of labour is zero
 $Y\%o\%u\%r _ = _ d\%Y\%c\%E\%o _ _ _ K\%i _]$
 - (D) productivity of workers is low
 $_ \theta _ [_ E\%o _ = _ d\%Y\%c\%E\%o _ _ E\%o _] _ / _ _ \theta _ [_ E\%o _ y _ = _ d\%Y\%c\%X _ _ I _ u _ T _ c _ E\%o _]$

18. Many transplanted seedlings do not grow because :
- $\%o\%x\%d\%u\%l\%y\%t\%o _ Y\%c _ \gg _ [_ S\%a\%T _ c _ Y\%c _ _ Q\%u\%l\%o _ \grave{a} _ X\%c\%e\%c _ / _ E\%o _ S _ c _ = _ / _ [_ S _ \%o\%x\%d\%u\%l\%y\%t\%o _ J\%o\%l\%i\%c _ G\%a\%L _ X\%c _ = _ P\%o\%l\%y _ E\%o _] _ S _ f _]$
- (A) the new soil does not contain favourable minerals
 $X\%T\%c _] _ c _ o\%t\%o _ = _ Y \wedge _ \theta _] _ F _ \times _ L _ V\%h\%y _ \gg _ \% _ \backslash _ c _ / _ X\%T\%c _] _ c _ o\%t\%o _ = _ Y \wedge _ \theta _] _ F _ \times _ L _ V\%h\%y _ [\%y _ \% _ \backslash _ c _ y _]$
 - (B) most of the root hairs grip the new soil too hard
 $\grave{a} _ [_ y _ \%o _ c _ Y\%c _ \gg _ S\%c _ \times _ Y\%c _ + _ X\%T\%c _] _ c _ o\%E\%o _ F\%r\%a _] _ c _ o _] _ c _ \gg _ W\%h\%c _ T\%o _ \%a\%q\%u\%y _ Y\%c _ _ \grave{a} _ [_ y _ V\%h\%y _ c _ J\%o\%l\%i\%c _] _ _ [_ y _ \times _ [_ c _ X\%T\%c _] _ c _ o\%E\%o _ W\%h\%y _ [_ y _ F\%a\%t\%o _ \%a\%q\%u\%y _ Y\%c _] _ _ \times _]$
 - (C) most of the root hairs are lost during transplantation
 $\grave{a} _ [_ y _ \%o _ c _ S\%c _ \times _ Y\%c _ \%o\%x\%d\%u\%l\%y _ \gg _ a _] _ r _ T\%o _ _ K _ + _ G _ _ \acute{d} _ / _ \grave{a} _ [_ y _ V\%h\%y _ c _ J\%o\%l\%i\%c _] _ _ E _ \times _ [_ c _ \%o\%x\%d\%u\%l\%y _ a _] _ r _ _ K _ + _ Q\%b _ _ \acute{d} _]$
 - (D) leaves get damaged during transplantation
 $Y\%c _ \gg _ \grave{a} _ c _ Y\%S _ \gg _ a _] _ r _ T\%o _ G\%k _ \gg _ Y\%c _ T\%o _ [_ y _ \gg _ X\%r\%o _ c _ f _ / _ Y\%h\%a _ [_ y _ S _] _ y _ a _] _ r _ G\%a\%K _ [_ y _ Y\%c _ T\%o _ m _ \times _ X\%r\%o _ c _ f _]$

19. "Climate is extreme, rainfall is scanty and the people used to be nomadic herders."
- $" _ \wedge _ T\%o _ L _ [_ y _ _ c _ s\%o _] _ Y \wedge _ i\%d _ \gg _ , _ [_ y _ b\%s _ X\%c _] _ c _ y _ \%c _ o _] _ c _ X _ c _ a _ [_ y _ _ \%H _ \gg _ Y _ " _ / _ " _ L _ [_ y _ _ c _ M _ y _] _ Y \wedge _ i\%c _ a _ [_ y _ _ [_ k\%r\%o _ X\%c _] _ c _ y _ A _ [_ y _] _ c _ X _ b _ _ \acute{c} _ \acute{c} _ [_ y _] _ "$
- The above statement best describes which of the following regions ?
- $C\%Y _ \gg _ = _ N _ [_ a _ _ T\%o _ T\%o _ = _ \acute{a} _ _ \times _ F\%T\%o _ \acute{a} _ E\%o _ X _ \%t\%u _ \gg _ \times _ [_ y _ b\%a _ _ a _ P\%E\%o _ [_ y _ c _ f _ i\%c _ E\%o _ \gg _ a _ k _ = _ ? _] _] _ = _ Y _ a _ [_ y _ = _ A _] _ b _ \acute{a} _ E\%o _ X _ \%t\%u _ \acute{a} _ E\%o _ a _ P\%E\%o _ \acute{a} _ [_ y _ c _ f _ i\%c _ E\%o _] _ a _ k _ = _ ? _]$
- (A) African Savannah
 $\%c _ Z\%E\%o _ \gg _ S\%c _ \backslash _ c _ \%t\%u _ _ \%c _ Z\%E\%o _ y _ a\%c _ _ X\%c _ \%t\%u _]$
 - (B) Central Asian Steppe
 $] _ W\%h _ A _ \times _ S _ c _ [_ y _ i\%c _ _ X _ \%t\%u _ _] _ W\%h _ A _ \times _ r _ c _ [_ y _ i\%c _ _ X _ \%t\%u _]$
 - (C) North American Prairie
 $= _ W\%o _ \%c _ a _] _ \gg _ E\%o _ \gg _ a\%y _ \theta _ \gg _ Y _ \%t\%u _ _ = _ W\%h _ y _ \%c _ a _] _ \times _ [_ E\%o _ y _ a\%y _ \theta _] _ y _]$
 - (D) Siberian Tundra
 $K\%e _ + _ \acute{a} _ [_ y _ _ r _ c _ \gg _ T\%o _ V\%o _ _ a\%c _ + _ \acute{a} _ [_ y _ _ r _ c _ y _ T\%o _ V\%o _]$

20. Special women commando force raised by India government is :

- Virangana Nirbhaya Stribald Naribal
 Virangana Nirbhaya Stribald Naribal

21. A Sattriya dance troupe from Majuli river-island performed an innovative dance drama based on the tales depicted on Vrindavani Vastra. Which of the following Statement(s) is/are true in this context ?

- Vrindavani Vastra was woven by skilled Assamese weavers in the sixteenth century.
 The art was developed under the supervision of the medieval Vaishnavite saint and social reformer Chaitanya Mahaprabhu.
 illustrates the childhood activities of Lord Krishna in Vrindavan
 presently owned by the Victoria and Albert Museum in London

1. Vrindavani Vastra was woven by skilled Assamese weavers in the sixteenth century.
2. The art was developed under the supervision of the medieval Vaishnavite saint and social reformer Chaitanya Mahaprabhu.
3. illustrates the childhood activities of Lord Krishna in Vrindavan
4. presently owned by the Victoria and Albert Museum in London

Choose the correct option: /

- Only 1,2 and 3 Only 2,3 and 4 1, 3 and 4 all of the above
 1,2 2,3 1, 3 1,2,3,4
 1,2 A[3 2,3 A[4 1, 3 A[4 1,2,3,4 A[4

22. A price reduction to buyers who buy large volume is called a

- quantity discount trade discount cash discount wholesale discount
 quantity discount trade discount cash discount wholesale discount

23. Today is Monday. After 61 days, it will be :

- Wednesday Saturday Tuesday Thursday
 Wednesday Saturday Tuesday Thursday

24. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green ?

হোৱাৰ সম্ভাৱনা কিমান হ'ব ?

হওৱাৰ সম্ভাৱনা কতটুকু ?

- (A) $\frac{1}{3}$
- (B) $\frac{3}{4}$
- (C) $\frac{7}{19}$
- (D) $\frac{8}{21}$

25. The mass number of a nucleus is / $X = Z + A$ / $X = Z + A$

- (A) always less than its atomic number
সেইৰ অণুসংখ্যাৰ অধিকতৰ
- (B) The sum of the number of protons and neutrons present in the nucleus
প্ৰ'টন আৰু নিউট্ৰনৰ সংখ্যাৰ যোগ
- (C) always more than the atomic weight
সেইৰ পৰমাণুৰ ওজনতকৈ অধিক
- (D) A fraction
ভগ্ন

26. The best colours for a Sun umbrella will be -
সৌৰ পৰ্দাৰ বাবে সৰ্বশ্ৰেষ্ঠ ৰঙাৰ সংযোগ

- (A) black on top and red on inside
গৰুৰ ওপৰ আৰু লোহাৰ ভিতৰ
- (B) black on top and white on inside
গৰুৰ ওপৰ আৰু সাদাৰ ভিতৰ
- (C) red on top and black on inside
লোহাৰ ওপৰ আৰু গৰুৰ ভিতৰ
- (D) white on top and black on inside
সাদাৰ ওপৰ আৰু গৰুৰ ভিতৰ

27. Which of the following river systems fall into Bay of Bengal ?
যিবিধ নদীৰ ব্যৱস্থা বঙ্গোপসাগৰলৈ পৰে ?

- (A) Ganga, Brahmaputra and Godavari
গংগা, ব্ৰহ্মপুত্ৰ আৰু গোদাৱৰী
- (B) Mahanadi, Krishna and Cauvery
মহানদি, কৃষ্ণা আৰু কাৱেৰী
- (C) Luni, Narmada and Tapti
লুনি, নৰ্মদা আৰু তাপ্টি
- (D) Both (a) and (b)
(a) আৰু (b) দুটা

28. When you travel in certain parts of India, you will notice red soil. What is the main reason for this colour ?
 \qTö » E\qçx %±u_ Tô }]S Eö»ä_ Tq] Eö [çTö çFäTq » lq] çöb äVFç Yç[y*] çöb A+ » lq » lq EöS ç: _*
29. Which of the following Bollywood star has signed agreement with Election Commission of India as its national icon in the run-up to 2014 Lok Sabha poll for spreading awareness about the importance of voting and urging people to cast their votes ?
 Tô » äEçLX [ç_ =0ö%»\äXTq+ \qTö » X[yçx %çä'çG» _GTö 2014 \$K» ä_ çEä\ö » adq»S X[yçxTö LXadq»SEö ä\çöb »Vç» m»çöb »[çä' aLçGTq [ç_ ü » [çä'y \$çNp[y ü ecäK:-?
 Xääd'y äEç [ç_ =0ö%»\äXTq \qTö » X[yçx %çä'çG[y aäJ 2014 ääX[y adq]S X[yçx LXadq]SäEö ä\çöb äVç'ä'y m[yçä'çy »[çä' aLçGTq [ç_ ä'y LXi »Np[y ü çX ?
30. What is the full form of "EPIC" ?
 "EPIC" » a[yçi »ä'äç »Eö ? / "EPIC" Ä[y a[yçi %Ui »Eö ?
31. A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours. What will be the true time when the clock indicates 1 p.m. on the following day ?
 8 ç [çLçTö HQb» a]r » ä_ çç ç: _ * HQbçççç 24 HçTö 10 » XçEö %çG[yçä' ä^ »Tç HQbçTö »YK »VXç 1 ç [çLçTö äTçTç %çö äTö »PçEö a]r »Eçç ç:y ?
 äEç 8 ççäTöHQb[yä]r »_ ä^ äXC'rç ç: _ * Hçöb 24 HçTö 10 » XçAçä^ ^ç^ »V Y[yWX HçöTöVçTöy 1 ç [çäL Tö[yäPçEö a]r »Eö çä'y ?

32. What is true for Navagraha ? / X[G]Gθ» [ya]y aEoXaOe E^u? / X[G]Gθ» [ya]y aEoXaOe E^u?

1. It is the abode of Surya
+ aCi aV[y]T» [ya]y XθY» + Oe» X»T»H» /]»V» / +c» afi aV[y]T» LYi XcaY» + aO[y] H[y]
2. The temple has nine Shiva lingams, representing the nine celestial bodies.
A+]»V»T» X[y] GθEo Yθ»X»M»Eo» X Oe × [y_ t %caK» / A+]»V»Y» X[y] GθEo Yθ»X»M»Eo» X Oe × [y_ t %caK»
3. The old astrological and astronomical research Centre
+ A» Y»S aLi»T»` Oe»%» aLi»T»` »[y]» Ga[y]S» aE»V»
A» Y[y]S» aLi»T»` Oe»A[y] aLi»T»` »[y]» Ga[y]S» aE»V»
4. Temple was built by the Ahom ruler Rudra Singh
%»c»] »L» »O»»» A+]»V» X]iS Eo»»
%»c»] [y]L» [y]»»» A+]»V» X]iS Eo[y]

Choose the correct option : / E^u = w» aOe [y]» = x C» f / E^u = w[y]» a[y]» X» C f

- | | | | |
|------------------------|---------------------|---------------------|---------------------|
| (A) 1, 2, 3 and 4 true | (B) 1, 2 and 3 true | (C) 2, 3 and 4 true | (D) 3, 4 and 1 true |
| 1, 2, 3 %»O 4 E^u | 1, 2 %»O 3 E^u | 2, 3 %»O 4 E^u | 3, 4 %»O 1 E^u |
| 1, 2, 3 A[y] 4 E^u | 1, 2 A[y] 3 E^u | 2, 3 A[y] 4 E^u | 3, 4 A[y] 1 E^u |

33. Which Indian nationalist leader looked upon a war between Germany and Britain as gifted opportunity which would enable Indians to exploit the situation to their advantage ?

- T» » aE»LX »T» aT» Lc]iY %»O [y]»]L»T»» ^C»u %»»» O»M»T» [ya]y T» aE» e a]Si a»G [y_ \»[y]» ?
X»M»Y» aE»X [y]» aT» Lc]iY A[y] [y]» [y]» c»E» ^C]» O»Eo \»T»» aV[y] O»M»T» LYi a]Si a»G [y_ \»[y]» ?
- | | | | |
|-------------------|----------------------|--------------------------|------------------------|
| (A) D. V Savarkar | (B) Jawaharlal Nehru | (C) Subhash Chandra Bose | (D) C. Rajagopalachari |
| O» »O »» E»» | L»c»» _c_ aXc»»O | a]»» »V»[y]»c | »» »L»G»Y»c »»Y |
| O» »O a]»[y]» | Lc»E[y] _c_ aXc»[y]» | a]»» »V»[y]»c | »» [y]L»G»Y»c »»[y]» |

34. Why is the boiling point of sea water greater than that of pure water ?

- E» a]»» Y»X» = T» eEo »[y]» Y»X» = T» eEo eEo %»» ? / a]»[y]» L» [y] = T» eEo »[y]» L» [y] = T» eEo aU»Eo aE» a[y] Y ?
- | | |
|--|---------------------------------|
| (A) Sea water contains salt and other impurities | (B) Sea water is impure |
| a]»» Y»X»T» _»S %»O %Xi YU»Eo U»Eo | a]»» Y»X» %Y»»»» |
| a]»[y]» L» _[y] A[y] %Xi YU»Eo U»Eo | a]»[y]» L_ %Y»[y]»[y] |
| (C) Sea water contains more oxygen | (D) Sea water contains minerals |
| a]»» Y»X»T» %»» %j aLX U»Eo | a]»» Y»X»T» F»XL YV»U» U»Eo |
| a]»[y]» L» %»» %j aLX U»Eo | a]»[y]» L» F»XL YV»U» U»Eo |

35. Raj Kapoor-Nargis starrer 'Chori Chori' was inspired by which Hollywood classic ?

- »L»E»Y» %»O X»G» %»»»T» "»»»»»Y» »»]»F»X aE»X»F» c»_ = O» »»]»c» Y»» %X»»ST» e»» ?
[y]L»E»Y[y] A[y] X»G» %»»»T» "»»»»»[y] »»]»c» aE»X c»_ = O» »»]»c» aU»Eo %X»»ST» c»» ?
- | | | | |
|-------------|-------------------|---------------------------|---------------------------|
| (A) Titanic | (B) Blithe Spirit | (C) It Happened One Night | (D) It's a Wonderful Life |
| O»+O»X»Eo | »[y]» »»»»»» | +» a»»Y» %»» X»+» | +» +L A »»»»Z» _c_+Z» |
| O»+O»X»Eo | »[y]» »»»[y]» | +» a»»Y» %» C]»X X»+» | +» +L A C]»»[y]Z» _c_+Z» |

36. Which of the following hormones is responsible for the emotional states such as fear, anger and tension and a rise in blood pressure and heart rate ?

কোন হরমোন ভয়, রাগ, চাপ, উত্তেজনা এবং রক্তচাপ ও হৃদস্পন্দনের বৃদ্ধির জন্য দায়ী ?

- (A) Thyroxin (B) Somatotropin (C) Adrenaline (D) Oxytocin
 উরোজিন (B) সোমোট্রোপিন (C) অ্যাড্রেনালিন (D) অক্সিটোসিন
 উরোজিন (B) সোমোট্রোপিন (C) অ্যাড্রেনালিন (D) অক্সিটোসিন

37. What is the Olympic motto ?

অলিম্পিক উদ্দেশ্য কি ?

- (A) State, Country, continent (B) Love, Peace, Progress
 রাষ্ট্র, দেশ, মহাদেশ (B) প্রেম, শান্তি, অগ্রগতি
 (C) Faster, Higher, Stronger (D) Play, Peace, Love
 দ্রুত, উচ্চ, শক্তিশালী (D) খেলা, শান্তি, প্রেম

38. Which of the following countries are involved in construction of "The Great Asian Highway" to connect Japan with Europe

জাপানকে ইউরোপের সাথে সংযোগ করার জন্য "The Great Asian Highway" নির্মাণে কোন দেশগুলি জড়িত ?

- (A) Countries in Asia and Europe (B) Countries in Asia, Europe and UNO
 এশিয়া ও ইউরোপের দেশ (B) এশিয়া, ইউরোপ ও UNO
 (C) Countries in Asia, Europe and Africa (D) Countries in Asia, Europe and USA
 এশিয়া, ইউরোপ ও আফ্রিকা (D) এশিয়া, ইউরোপ ও USA

39. A diverging lens / AFX %Yacp'á á_X-..... / AE- %Yad'á á_3a

- (A) can form only erect images (B) can form only magnified images
 কেবলমুখো ছবি গঠন করতে পারে (B) কেবলমুখো বৃদ্ধিত ছবি গঠন করতে পারে
 (C) can form only virtual images (D) is thicker at the center than edges
 কেবলমুখো ছবি গঠন করতে পারে (D) কেন্দ্রে তুলনামূলকভাবে পুরু

40. The term CTBT is term associated with / CTBT -E- -_GT-L-Q-T-? / CTBT -E-a-á-á-L-Q-T-?

- (A) central Taxes (B) Trade sanctions (C) nuclear weapons (D) international Terrorism
 কেন্দ্রীয় কর (B) বাণিজ্যিক প্রতিবন্ধক (C) নিউক্লিয়ার অস্ত্র (D) আন্তর্জাতিক তERRORISM
 কেন্দ্রীয় কর (B) বাণিজ্যিক প্রতিবন্ধক (C) নিউক্লিয়ার অস্ত্র (D) আন্তর্জাতিক তERRORISM

General English

Fill in the blanks choosing the correct option.

41. My uncle lives about from here.
(A) a drive of an hour (B) an hour's drive (C) an hour drive (D) an hour of drive
42. You'd rather stay at home tonight, you ?
(A) didn't (B) hadn't (C) wouldn't (D) won't
43. I hope you don't mind sitting here.
(A) me (B) my (C) that I may (D) to be
44. We'll give you a car once you your driving test.
(A) will pass (B) are passing (C) have passed (D) passed
45. Bangladesh from an agricultural to a semi-industrialized country over the past two decades.
(A) Is evolving (B) has evolved (C) evolved (D) has been evolved
46. Only in England make original willow bats.
(A) they (B) they can (C) do they (D) are they to
47. Had some repentance, he might have been given a lighter sentence.
(A) it been (B) not he shown (C) he but (D) he shown
48. Please come and see me day you like.
(A) some (B) every (C) any (D) all
49. Only on very rare occasions a visit to the college.
(A) the president would pay (B) the president pay
(C) would the president pay (D) would pay the president
50. You must give me a ring as soon as you home.
(A) will get (B) are getting (C) got (D) get
51. I look forward you again.
(A) to meet (B) to meeting (C) for meeting (D) at meeting
52. It's time we some employment for ourselves.
(A) find (B) have found (C) must find (D) found
53. He forbade us enter the house.
(A) not to (B) to (C) do not (D) to not

54. He no less than I to blame.
(A) is (B) am (C) are (D) have
55. He behaves as if he my boss.
(A) is (B) was (C) were (D) had been
56. Though Bonsai, a well-known art form, originated in China, it was by the Japanese.
(A) cultivated (B) perfected (C) finished (D) borrowed
57. I beg to differ you the subject.
(A) with, on (B) to, at (C) from, in (D) at, to
58. Some students are and want to take only the courses which have immediate value.
(A) theoretical (B) foolish (C) pragmatic (D) indolent
59. Never put till tomorrow what you can do today.
(A) of (B) off (C) In (D) before
60. I have finished of this book.
(A) three-fourths (B) three-fourth (C) three-four part (D) three-fours part
61. There is an English proverb which says, " Too many cooks spoil the
(A) dish (B) curry (C) broth (D) feast
62. Bangladesh From Pakistan in 1971.
(A) ceded (B) severed (C) seceded (D) succeeded
63. There are no secrets between us. She is my
(A) confident (B) confidence (C) confederate (D) confidante
- Substitute single words given in the options for the words underlined.
64. The Satanic Verses was condemned by certain Muslim clerics because of its irreverence towards Islam.
(A) anarchism (B) nepotism (C) blaspheme (D) militancy
65. Mr. Baruah is a person who is familiar with many different countries. He is.....
(A) an immigrant (B) a cosmopolitan (C) an emissary (D) a usurer
66. A person sent on an official mission is
(A) an emissary (B) an ambassador (C) a messenger (D) a spy
67. The teacher said to me, " What do you have in your hands?" = The teacher asked me in my hands.
(A) If I had (B) what I have (C) What I had had (D) what I had

68. He said to me, "Which do you like better , this or that ?" = He asked me I liked better.
(A) If this or that (B) whether that or this (C) which of the two (D) whether which of the two
69. The judge should by everybody in the court room.
(A) be referred as 'your Honour' (B) be referred to 'your Honour' as
(C) be referred to as 'your Honour' (D) be referred 'your Honour'
70. This course giving its participants the power to recognize their strengths and pursue their aims.
(A) is aimed (B) aims to (C) is aimed to (D) is aimed at

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 the sentences.

71. i) I can not **endure** such a loud noise any more. ii) He preferred to consider the other **view**.
(A) Bear (B) position (C) sight (D) stand
72. (i) I feel scared when I look at the **towering** buildings.
(ii) Because of his arrogant behavior many people are offended with him.
(A) Haughty (B) high (C) proud (D) lofty

Choose the most suitable meaning of the following idioms (in italics) from the choices given below each sentence.

73. Many a time great ideas **bite the dust** for want of their proper publicity and projection.
(A) are humiliated (B) are transferred (C) are stolen (D) are killed
74. The team manager and the coach are trying to **pass the buck** on each other for the poor performance of their team.
(A) to shirk work (B) to blame somebody (C) to quarrel (D) to shift responsibility
75. He allowed his spiteful feeling to **come to a head**.
(A) To burst (B) Feel giddy (C) Feel impatient (D) Get excited
76. The officer always keeps on **throwing mud** at his assistant.
(A) He teases him all the time (B) He allots all the bad work to him
(C) He accuses him wrongly (D) He throws mud at him out of anger

In the following sentences you are required to find synonyms for the italicized word in the sentence. Choose the option which best expresses the meaning in the context.

77. Your involvement with undesirable elements is bound to **blemish** your reputation as an upright man.
(A) disfigure (B) tarnish (C) mystify (D) brighten
78. The bomb blast **mutilated** the bodies of the victims.
(A) annihilated (B) demolished (C) mangled (D) dismantled

In the following sentences you are required to find antonyms for the italicized word in the sentence. Choose the option which best expresses the opposite meaning.

79. He has a *morbid* fear of dogs.
 (A) diseased (B) unnatural (C) terrible (D) healthy
80. Human glory is *ephemeral*.
 (A) temporal (D) temporary (C) everlasting (D) fleeting

Aptitude & Reasoning

81. A, B, C and D play a game of cards. A says to B, "If I give you 8 cards, you will have as many as C has and I shall have 3 less than what C has. Also, if I take 6 cards from C, I shall have twice as many as D has." If B and D together have 50 cards, how many cards has A got ?

A, B, C ও D-এর মতামত হল: "যদি আমি B-কে ৮ কার্ড দিই, তবে B-এর কার্ডের সংখ্যা C-এর কার্ডের সংখ্যার সমান হবে এবং আমার কার্ডের সংখ্যা C-এর কার্ডের সংখ্যা থেকে ৩ কম হবে। আর যদি আমি C-এর কাছ থেকে ৬ কার্ড নিয়ে নিই, তবে আমার কার্ডের সংখ্যা D-এর কার্ডের সংখ্যার দ্বিগুণ হবে।" যদি B ও D একত্রে ৫০ কার্ড আছে, তবে A-এর কার্ডের সংখ্যা কত?

A, B, C ও D-এর মতামত হল: "যদি আমি B-কে ৮ কার্ড দিই, তবে B-এর কার্ডের সংখ্যা C-এর কার্ডের সংখ্যার সমান হবে এবং আমার কার্ডের সংখ্যা C-এর কার্ডের সংখ্যা থেকে ৩ কম হবে। আর যদি আমি C-এর কাছ থেকে ৬ কার্ড নিয়ে নিই, তবে আমার কার্ডের সংখ্যা D-এর কার্ডের সংখ্যার দ্বিগুণ হবে।" যদি B ও D একত্রে ৫০ কার্ড আছে, তবে A-এর কার্ডের সংখ্যা কত?

- (A) 40 (B) 37 (C) 27 (D) 23

82. If the circumference of a circle is increased by 50%, then the area will be increased by :

একটি বৃত্তের পরিধি ৫০% বৃদ্ধি পেলে এর ক্ষেত্রফল কত শতাংশ বৃদ্ধি পাবে?

(A) 50% (B) 100% (C) 125% (D) 225%

83. If '+' stands for 'division', '-' stands for 'equal to', 'x' stands for 'addition', '÷' stands for 'greater than', '=' stands for 'less than', '>' stands for 'multiplication', and '<' stands for 'subtraction', then which of the following alternatives is correct ?

এখানে '+' মানে 'বিভাগ', '-' মানে 'সমান', 'x' মানে 'যোগ', '÷' মানে 'বড়তর', '=' মানে 'কমতর', '>' মানে 'গুণন', '<' মানে 'বিয়োগ', তবে নিচের কোন বিকল্পটি সঠিক?

(A) 5+2x1=3+4>1 (B) 5>2x1-3>4<1 (C) 5x2<1-3<4x1 (D) 5<2x1÷3>4x1

84. The traffic light at three different roads change after every 48 sec., 72 sec. and 108 second respectively. If they all change simultaneously at 8:20:00 hours, when will they change again simultaneously ?

একটি সড়কের তিনটি ভিন্ন-ভিন্ন জায়গায় যথাক্রমে ৪৮ সেকেন্ড, ৭২ সেকেন্ড ও ১০৮ সেকেন্ড পর পর জ্বলে উঠবে। যদি তারা একসাথে ৮:২০:০০ বজায় জ্বলে উঠে, তবে কখন তারা আবার একসাথে জ্বলে উঠবে?

(A) 12:8:27 (B) 8:27:12 (C) 27:8:12 (D) None of these

85. How many $\frac{1}{8}$ are there in $37\frac{1}{2}$? / $37\frac{1}{2}$ Tö>EÖ]çX aeFiEö $\frac{1}{8}$ %çäk÷ / $37\frac{1}{2}$ äTöEÖ' xÖ $\frac{1}{8}$ %çäk÷?

(A) 300 (B) 400 (C) 500 (D) None of these
AÖç C XcF / AEöÖC Xr

86. If point P is on line segment AB, then which of the following is always true?
 $\wedge \forall P \in \overline{AB}$ aeFiçä» FçTöUçEöATäÖTö » äEçXäÖç aVç^ äTö c-y? / $\wedge \forall P \in \overline{AB}$ aeFiçä] Fç' UçEö Tö]yXäÖ]y äEçXäÖç a[Vç äTö cä]y?

(A) AP=PB (B) AP>PB (C) PB>AP (D) AB>AP

87. All men are vertebrates. Some mammals are vertebrates. Which of the following conclusions drawn from the above statement is correct.
äEö_ç]ççç+ ä] »Ö/%ä* »EçççX ÖÖKiyç'Y ä] »Ö/%ä cF äTäÖTö » äEçXäÖç =»Ib äTö ?
äEö_ç]ççç ä] [Ö/%ä* »EçççX ÖÖKiyç'Y ä] [Ö/%ä* =»Imç_ [y=Y [y»önoEä]y E^ü=wo[yçöXVö äUäEö ä]y EÖ]y*

(A) All men are mammals
äEö_ç Yççöb+ ÖÖKiyç'Y / äEö_ç]ççç ÖÖKiyç'Y

(B) All mammals are men
äEö_ç ÖÖKiyç'Y + Yççöb / äEö_ç ÖÖKiyç'Y]ççç

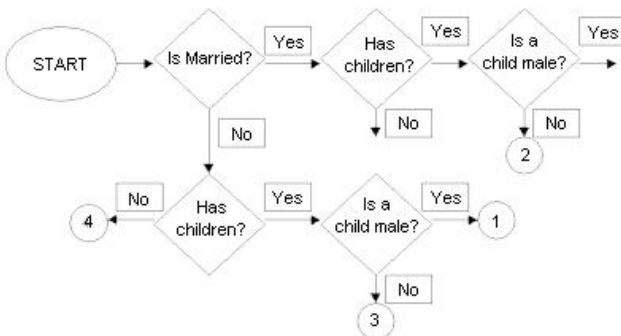
(C) Some vertebrates are mammals
»EçççX ä] »Ö/%ä' ec-ä]ç=ÖÖKiyç'Y / »Eçççä] [Ö/%ä cç= ÖÖKiyç'Y

(D) None
AÖç C XcF / AEöÖC Xr

88. Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?
Yçç_X]ççç =AäEö_äG Yççç » [Yçç+ %ççç, ^Töw %Xçç »S Eö » H Eö G » aX]E TöR, G %ççöH »]ççL TöK* ^\ äTöCç_ çEöAÖç` ç»äTöYçççç»
[Yçç+ %ççç = äTäÖTöTör' ÖçX TöäEçX %ççç ?
Yçç_X]ççç AEöç Yççç çöb =Pççç * J %Xçç]S Eö]y H äEç' G A]y a"öç R* G A]y H A]y]ççç ççX K* ^\ C]ç a]çç+ AEöç `ç]y äTöYçççç çöb
äöb Tö]y »Tör' ççX äEö %ççç÷?

(A) J (B) H (C) R (D) G


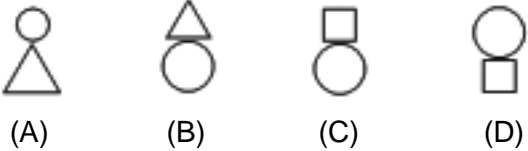
89. Consider the following flow chart for a customer:
Tö Tö\ççç no\$ççöGççç Eö » [Yçç » \ççç %ççç / XäVäVç]ççç noççöGççç äE]y [Yçç]S äVç]ççç %ççç*

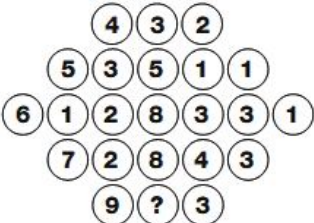


The person in No. 1 is: / 1 aeFiçäÖçä [ççççç] [y>NpLX ççç-- / 1 Xe aeFiçäTöä]ççççç [y>NpLX ççç f-

- (A) Married, with children
[Yççç Tö_ »ççççç / YUEç / [Yççç Tö äÜX äÜTöUççç
- (B) Married, with at least one son
[Yççç Tö %TöEö]C ALX Yççç Uççç
[Yççç Tö %TöEö]C AEçLX äççç_ Uççç
- (C) Unmarried, with at least one daughter
% [Yççç Töççç %TöEö]C ALX YL Y' EöUEççç
% [Yççç Töççç %TöEö]C AEçLX ä]ä' Uççç
- (D) Unmarried, with at least one son
% [Yççç Töççç %TöEö]C ALX Yççç Uççç
% [Yççç Töççç %TöEö]C AEçLX äççç_*

90. Complete the series : SCD, TEF, UGH, _____, WKL
 (A) CMN (B) UJI (C) VIJ (D) IJT

91. Which of the following figure fits in to the place with question mark ?



92. What number comes inside the circle with question mark ?


- (A) 3 (B) 4 (C) 12 (D) 6

93. 2, 1, (1/2), (1/4), What number should come next ?
 (A) (1/3) (B) (1/8) (C) (2/8) (D) (1/16)

94. $\frac{(856+167)^2 + (856-167)^2}{856 \times 856 + 167 \times 167} = \dots\dots\dots$
 (A) 1 (B) 2 (C) 689 (D) 1023

95. A number when divided by the sum of 555 and 445 gives two times their difference as quotient and 30 as the remainder. The number is :
 (A) 1220 (B) 1250 (C) 22030 (D) 220030

96. Which of the following set of fractions are arranged in ascending order ?
 (A) $\frac{2}{3}, \frac{3}{5}, \frac{7}{9}, \frac{9}{11}, \frac{8}{9}$ (B) $\frac{3}{5}, \frac{2}{3}, \frac{9}{11}, \frac{7}{9}, \frac{8}{9}$ (C) $\frac{3}{5}, \frac{2}{3}, \frac{7}{9}, \frac{9}{11}, \frac{8}{9}$ (D) $\frac{8}{9}, \frac{9}{11}, \frac{7}{9}, \frac{2}{3}, \frac{3}{5}$

97. A train starts full of passengers. At the first station, it drops one-third of the passengers and takes 280 more. At the second station, it drops one-half of the new total and takes 12 more. On arriving at the third station, it is found to have 248 passengers. Find the number of passengers in the beginning.

৯৭. ট্রেনটি যাত্রীদের ভরপুর। প্রথম স্টেশনে, এটি যাত্রীদের এক-তৃতীয়াংশ ছেড়ে দেয় এবং ২৮০ জন যাত্রী গ্রহণ করে। দ্বিতীয় স্টেশনে, এটি নতুন মোট যাত্রীদের অর্ধেক ছেড়ে দেয় এবং ১২ জন যাত্রী গ্রহণ করে। তৃতীয় স্টেশনে পৌঁছানোর পরে, এখানে ২৪৮ জন যাত্রী থাকে। তেজ্ঞে আৰম্ভণিতে উঠা যাত্রীৰ সংখ্যা নিৰ্ণয় কৰা।

(A) 278 (B) 288 (C) 296 (D) 275

98. Kiran had 85 currency notes in all, some of which were of Rs. 100 denomination and the remaining of Rs. 50 denomination. The total amount of all these currency notes was Rs. 5000. How much amount did she have in the denomination of Rs. 50 ?

৯৮. কীরানের কাছে মোট ৮৫ টি মুদ্রা নোট আছে, যার কিছুটির মূল্য ১০০ টাকার এবং বাকিগুলির মূল্য ৫০ টাকার। এই সব মুদ্রা নোটের মোট মূল্য ৫০০০ টাকা। ৫০ টাকার মুদ্রা নোটের কতটুকু মূল্যের ছিল?

(A) 4000 (B) 3500 (C) 3000 (D) 4200

99. At an International Dinner, $\frac{1}{5}$ of the people attending were French men. If the number of French women at the dinner was $\frac{2}{3}$ greater than the number of French men, and there were no other French people at the dinner then what fraction of the people at the dinner were not French ?

৯৯. আন্তর্জাতিক ডিনারে, $\frac{1}{5}$ অংশের মানুষ ফরাসি পুরুষ। যদি ফরাসি মহিলাদের সংখ্যা ফরাসি পুরুষদের সংখ্যার $\frac{2}{3}$ বেশি হয় এবং ডিনারে আর কোনো ফরাসি মানুষ না থাকে তবে ডিনারে কত অংশের মানুষ ফরাসি না হবে?

(A) $\frac{1}{5}$ (B) $\frac{2}{5}$ (C) $\frac{2}{3}$ (D) $\frac{7}{15}$

100. If the manufacturer gains 10%, the wholesale dealer 15% and the retailer 25%, then find the cost of production of a table, the retail price of which is Rs. 1265 ?

১০০. যদি প্রস্তুতকারক ১০% লাভ করে, খোলা বাজারের বিক্রেতা ১৫% লাভ করে এবং বিক্রেতা ২৫% লাভ করে, তবে একটি টেবিলের উৎপাদন ব্যয় কত হবে, যার বিক্রয় মূল্য ১২৬৫ টাকা?

(A) Rs. 1000 (B) Rs. 500 (C) Rs. 1200 (D) Rs. 800

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