



TEST PAPER

CLASS - 10

Time Allowed : *Two Hours*

Maximum Marks : **400**

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **100** items (questions). **Part I - Mathematics, Science** and **Part II - General Awareness, English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **Each** item carry **four (4)** marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one (1)** mark assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (iii) If a question is left blank i.e., no answer is given by the candidate, there will be **no penalty** for that question.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

/; ku na%vup'ska dk fglnh : iKUrj bl i qLrdk dsfi Nys i'B ij Nik gA

Help Line Nos.- 1800-313-2004 (Toll Free), 09696330033, 0532-2467651 www.mkctalenthunt.in

Organized by :



MAJOR KALSHI CLASSES PVT. LTD.

"SHAPATH" 105/244, Tagore Town, Near Colonelganj Inter College, Allahabad-211002 [U.P.]

PART - I

MATHEMATICS

- If sum of n terms of an A.P. is $3n^2 + 5n$ and $T_m = 164$, then:
 - $m = 26$
 - $m = 27$
 - $m = 28$
 - none of these
- The number of terms of the series 54, 51, 48 so that their sum is 513:
 - 18, 19
 - 16, 22
 - 25, 36
 - none of these
- An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. The maximum number of columns in which they can march is:
 - 16
 - 12
 - 8
 - 4
- If α, β are the zeroes of Quadratic Polynomial $x^2 - 4x - 12$, then the value of $\alpha^3\beta + \alpha\beta^3$ is:
 - 480
 - 480
 - 202
 - 408
- If the sum of the roots of $ax^2 + bx + c = 0$ is equal to the sum of the squares of their reciprocals, then which one of the following relations is correct?
 - $ab^2 + bc^2 = 2a^2c$
 - $ac^2 + bc^2 = 2b^2a$
 - $ab^2 + bc^2 = 2a^2c$
 - $a^2 + b^2 + c^2 = 1$
- If α, β, γ are the zeroes of $p(x) = x^3 - 6x^2 + 11x - 6$ then the value of $(\alpha^2 + \beta^2 + \gamma^2)$ is:
 - 14
 - 36
 - 22
 - none of these
- ABC is a triangle in which D is the midpoint of BC and E is the midpoint of AD. Which of the following statements is/are correct?
 - The area of triangle ABC is equal to four times the area of triangle BED.
 - The area of triangle ADC is twice the area of triangle BED.

Select the correct answer using the code given below.

 - Only 1
 - Only 2
 - Both 1 and 2
 - Neither 1 nor 2

- ;

$$f_n = 3n^2 + 5n$$

$T_m = 164$, $T_m = 164$, $T_m = 164$

 - $m = 26$
 - $m = 27$
 - $m = 28$
 - bu eal s dkbz ugha
- Jskh 54, 51, 48 eai nka dh l ; k D; k gksch ; fn ml dk ; kx 513 gS

 - 18, 19
 - 16, 22
 - 25, 36
 - bu eal s dkbz ugha
- 616 l nL; ka okyh , d l ; VplMh dks 32 l nL; ka okys , d vkehZ cSM ds i hNs i jM ea y; c) gkdj ekpZ djuk gA bu nksuka l engka dks , d l eku l ; k okyh i dR ea dnerky djuk gA i dR; ka dh vf/kdre l ; k Kkr djafTl eosdnerky dj l ds.

 - 16
 - 12
 - 8
 - 4
- ;

$$f_n = \alpha^2 - 4\alpha - 12$$

$\alpha^3\beta + \alpha\beta^3$ dk eku gksk%

 - 480
 - 480
 - 202
 - 408
- ;

$$ax^2 + bx + c = 0$$

ds eny/ka dk ; kx- muds 0; BDekadsoxka ds ; kx dscjkcj gS rksfuEufyf[kr l ECU/ka ea l s dka&l k , d l gh gS

 - $ab^2 + bc^2 = 2a^2c$
 - $ac^2 + bc^2 = 2b^2a$
 - $ab^2 + bc^2 = 2a^2c$
 - $a^2 + b^2 + c^2 = 1$
- ;

$$f(x) = x^3 - 6x^2 + 11x - 6$$

ds 'k' d gks rks $(\alpha^2 + \beta^2 + \gamma^2)$ dk eku gksk\

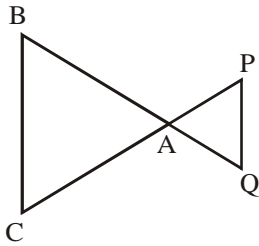
 - 14
 - 36
 - 22
 - bu eal s dkbz ugha
- ABC , d f=Hkt gS ftl ea D, BC dk e/; &fclnqgS vlsj E, AD dk e/; &fclnqgS fuEufyf[kr dFkuka ea l s dka&l k@l s dFku l gh gS@gS

 - f=Hkt ABC dk {k=Oy} f=Hkt BED ds {k=Oy} dk plj xqk gA
 - f=Hkt ADC dk {k=Oy} f=Hkt BED ds {k=Oy} dk nks xqk gA

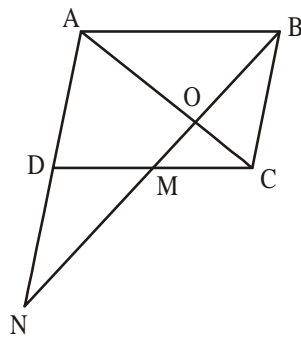
uhpsfn; sx; sdW dk ; kx dj l gh mRrj pfu, A

 - doy 1
 - doy 2
 - 1 vlsj 2 nksuka
 - u rks 1 vlsj u gh 2

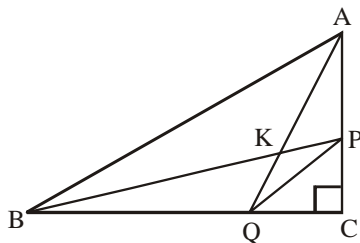
8. In the given figure, $\triangle ACB \sim \triangle APQ$. If $BC = 8$ cm, $PQ = 4$ cm, $BA = 6.5$ cm, $AP = 2.8$ cm, then:



- (a) $AC = 5.6$ cm, $AQ = 3.25$ cm
 (b) $AC = 6.5$ cm, $AQ = 2.56$ cm
 (c) $AC = 6.5$ cm, $AQ = 3.25$ cm
 (d) none of these
9. In the given figure, M is the mid point of the side CD of the parallelogram ABCD. What is $ON : OB$?

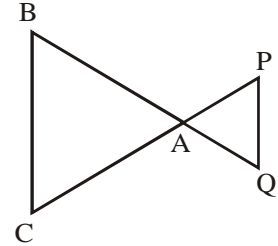


- (a) 3 : 2
 (b) 2 : 1
 (c) 3 : 1
 (d) 5 : 2
10. ABC is a triangle right angled at C as shown in the figure below. Which one of the following is correct?

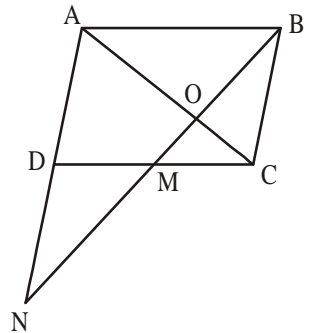


- (a) $AQ^2 + AB^2 = BP^2 + PQ^2$
 (b) $AQ^2 + PQ^2 = AB^2 + BP^2$
 (c) $AQ^2 + BP^2 = AB^2 + PQ^2$
 (d) $AQ^2 + AP^2 = BK^2 + KQ^2$

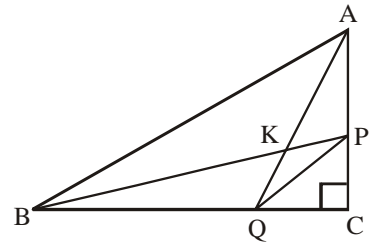
8. In the given figure, $\triangle ACB \sim \triangle APQ$. If $BC = 8$ cm, $PQ = 4$ cm, $BA = 6.5$ cm, $AP = 2.8$ cm, then:



- (a) $AC = 5.6$ cm, $AQ = 3.25$ cm
 (b) $AC = 6.5$ cm, $AQ = 2.56$ cm
 (c) $AC = 6.5$ cm, $AQ = 3.25$ cm
 (d) none of these
9. In the given figure, M is the mid point of the side CD of the parallelogram ABCD. What is $ON : OB$?



- (a) 3 : 2
 (b) 2 : 1
 (c) 3 : 1
 (d) 5 : 2
10. ABC is a triangle right angled at C as shown in the figure below. Which one of the following is correct?



- (a) $AQ^2 + AB^2 = BP^2 + PQ^2$
 (b) $AQ^2 + PQ^2 = AB^2 + BP^2$
 (c) $AQ^2 + BP^2 = AB^2 + PQ^2$
 (d) $AQ^2 + AP^2 = BK^2 + KQ^2$

11. If an angle α is divided into two parts A and B such that $A - B = x$ and $\tan A : \tan B = 2 : 1$, then what is $\sin x$ equal to?

- (a) $3 \sin \alpha$ (b) $\frac{2 \sin \alpha}{3}$
 (c) $\frac{\sin \alpha}{3}$ (d) $2 \sin \alpha$

12. If $\sec \theta = x + \frac{1}{4x}$ then $\sec \theta + \tan \theta = ?$

- (a) $2x$ (b) $4x$
 (c) $3x$ (d) None of these

13. A cone is cut parallel to the base at the middle point of its height. The ratio of volume of two parts is:

- (a) $1 : 7$ (b) $1 : 8$
 (c) $1 : 4$ (d) $1 : 1$

14. The difference of squares of two numbers is 180. The square of the smaller numbers is 8 times the larger numbers then the two numbers are:

- (a) 12, 10 (b) 12, 18
 (c) 16, 9 (d) None of these

15. From the top of a 7 m high building the angle of elevation of the top of a cable tower is 60° and the angle of depression of its foot is 45° . The height of the tower is:

- (a) $\frac{7}{\sqrt{3}+1}m$ (b) $7(\sqrt{3}+1)m$
 (c) $(3+\sqrt{3})7m$ (d) none of these

16. A card is drawn at random from a well shuffled pack of 52 cards. The Probability that the card drawn is neither a red card nor a queen, is:

- (a) $\frac{7}{13}$ (b) $\frac{6}{13}$
 (c) $\frac{5}{13}$ (d) $\frac{4}{13}$

17. The circumcentre of circle passing through the vertices of triangle (6, -6), (3, -7) and (3, 3) is:

- (a) (3, -2) (b) (2, 3)
 (c) (3, 2) (d) none of these

11. ; fn dkbz dks k α nks Hkkxka A rFkk B ea bl \angle djkj foHkkftr fd; k tkrk gSfd $A - B = x$ vkfj $\tan A : \tan B = 2 : 1$, rks $\sin x$ fdl dscjkj gS

- (a) $3 \sin \alpha$ (b) $\frac{2 \sin \alpha}{3}$
 (c) $\frac{\sin \alpha}{3}$ (d) $2 \sin \alpha$

12. ; fn $\sec \theta = x + \frac{1}{4x}$ rC $\sec \theta + \tan \theta = ?$

- (a) $2x$ (b) $4x$
 (c) $3x$ (d) buea l s dkbz ugha

13. , d 'kadjdksml ds vk/kkj ds l ekukrj ml dh dcy \hat{A} pkbz ds vk/kfduqij dk vk tkrk gS ml ds nksuka Hkkxka ds vk; ru dk vuq kr gksck%

- (a) $1 : 7$ (b) $1 : 8$
 (c) $1 : 4$ (d) $1 : 1$

14. nks l \hat{A} ; k vka ds oxk d k vUrj 180 gS Nks/h l \hat{A} ; k dk oxz cMh l \hat{A} ; k ds oxz dk 8 xqk gS rks og nks l \hat{A} ; k, j g%

- (a) 12, 10 (b) 12, 18
 (c) 16, 9 (d) buea l s dkbz ugha

15. , d 7 ehVj \hat{A} ph bZkj r ds 'kh'kz l s , d dcy Vkbj ds 'kh'kz dk mlu; u dks k 60° rFkk ml ds i kn dk voueu dks k 45° gS Vkbj dh \hat{A} pkbz D; k gksch\

- (a) $\frac{7}{\sqrt{3}+1}eh$ (b) $7(\sqrt{3}+1)eh$
 (c) $(3+\sqrt{3})7eh$ (d) buea l s dkbz ugha

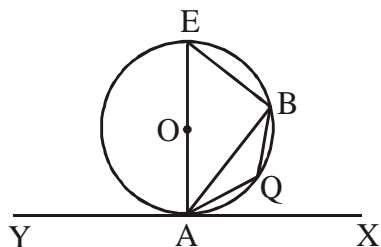
16. 52 rk'k ds iRrk ds <j ftUga i wkz: i l s Qn/k x; k gk ea l s , d iRrk vkpd : i l sfudkyk tkrk gS bl ckr dh ckf; drk D; k gksch fd fudkyk x; k iRrk u rkyky iRrk gks vkfj u gh jkuh gS

- (a) $\frac{7}{13}$ (b) $\frac{6}{13}$
 (c) $\frac{5}{13}$ (d) $\frac{4}{13}$

17. , d oRRk dk ifj dlnz tks , d f=Hkqt ds 'kh'kz dlnka (6, -6), (3, -7), (3, 3) l sgldj xqjrk gS dk eku gS

- (a) (3, -2) (b) (2, 3)
 (c) (3, 2) (d) buea l s dkbz ugha

18. If a quadrilateral has an inscribed circle, then the sum of a pair of opposite sides equals:
- (a) Sum of the other pair of opposite sides
 - (b) Sum of two adjacent sides
 - (c) Double the sum of diagonals
 - (d) It is impossible condition



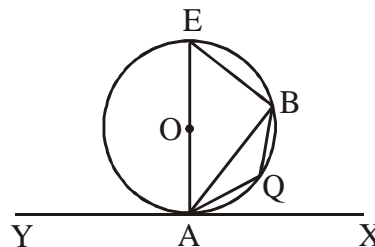
19. In the figure given above, YAX is a tangent to the circle with centre O. If $\angle BAX = 70^\circ$ and $\angle BAQ = 40^\circ$, then what is $\angle ABQ$ equal to?
- (a) 20°
 - (b) 30°
 - (c) 35°
 - (d) 40°

20. The area of sector of a circle whose radius is 14 cm and angle of sector is 45° , is:
- (a) 11 cm^2
 - (b) 66 cm^2
 - (c) 162 cm^2
 - (d) 77 cm^2

21. The value of $\tan 7^\circ \cdot \tan 23^\circ \cdot \tan 60^\circ \cdot \tan 67^\circ \cdot \tan 83^\circ + \frac{\cot 54^\circ}{\tan 36^\circ} + \sin 20^\circ \cdot \sec 70^\circ - 2$ is:
- (a) $\sqrt{3}$
 - (b) 0
 - (c) $-\sqrt{3}$
 - (d) 1

22. A drinking glass of height 24 cm is in the shape of frustum of a cone and radius of its bottom and top circular ends are 2 cm and 9 cm respectively. If the capacity of the glass taken as $\pi \text{ m cm}^3$, then the value of m is:
- (a) 1628
 - (b) 1132
 - (c) 824
 - (d) 428

18. ;fn , d prkqt dsHkrj , d orr mRdhf.kr gSrc , d foi jhr Hkqt kvka ds tK/ka dh yEckbz dk ; lsk cjkj g%
- (a) 'ksk ; qer Hkqt kvka ds ; lsk ds cjkj gksk
 - (b) nks fudVortz Hkqt kvka ds ; lsk ds cjkj gksk
 - (c) fod.ka ds ; lsk dk nksqk gksk
 - (d) ; g , d vl Hkfor fLFkr gS



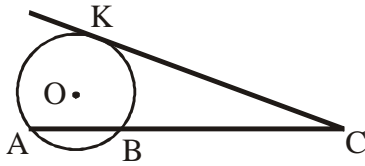
19. mi ; qer fp= ea YAX orr] ftl dk dhnzO gS ij , d Li 'kz s[kk gA ; fn $\angle BAX = 70^\circ$ vkj $\angle BAQ = 40^\circ$ gS rks $\angle ABQ$ fdl dscjkj gS
- (a) 20°
 - (b) 30°
 - (c) 35°
 - (d) 40°

20. , d orr ds orr [k.M dk {ks=Qy D; k gksk] ; fn ml dh f=T; k 14 l eh rFk orr [k.M dk dsk 45° g%
- (a) 11 l eh²
 - (b) 66 l eh²
 - (c) 162 l eh²
 - (d) 77 l eh²

21. $\tan 7^\circ \cdot \tan 23^\circ \cdot \tan 60^\circ \cdot \tan 67^\circ \cdot \tan 83^\circ + \frac{\cot 54^\circ}{\tan 36^\circ} + \sin 20^\circ \cdot \sec 70^\circ - 2$ dk eku g%
- (a) $\sqrt{3}$
 - (b) 0
 - (c) $-\sqrt{3}$
 - (d) 1

22. 24 l eh Apkbzokysi s fxykl dk vdkj , d 'kdj ds fNUud ds : i ea gS rFk ml ds ry rFk Ajh orrdkj fl jka dh f=T; k; ; qe'k%2 l eh , oa9 l eh gA ; fn fxykl dk vk; ru $\pi \text{ m l eh}^3$ gS rks m dk eku gsk%
- (a) 1628
 - (b) 1132
 - (c) 824
 - (d) 428

23. In the adjoining figure, O is the centre of the circle. Chord AB = 10 cm and BC = 8 cm. Length of Tangent KC is equal to:



- (a) 144 cm
- (b) 18 cm
- (c) 12 cm
- (d) 10 cm

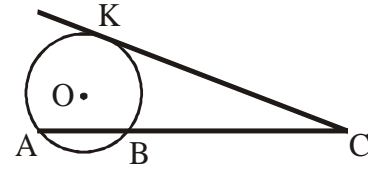
24. ABCDA is a con-cyclic quadrilateral of a circle ABCD with radius r and centre at O. If AB is the diameter and CD is parallel and half of AB and if the circle completes one rotation about the centre O, then the locus of the middle point of CD is a circle of radius:

- (a) $\frac{3r}{2}$
- (b) $\frac{2r}{3}$
- (c) $\frac{2\sqrt{3}r}{3}$
- (d) $\frac{\sqrt{3}r}{2}$

25. A cube of π cm edge is melted and moulded in cones of radius and height equal to 1 cm. The number of cones is:

- (a) 2π
- (b) $3\pi^2$
- (c) π
- (d) 4π

23. In the adjoining figure, O is the centre of the circle. Chord AB = 10 cm and BC = 8 cm. Length of Tangent KC is equal to:



- (a) 144 cm
- (b) 18 cm
- (c) 12 cm
- (d) 10 cm

24. ABCDA is a con-cyclic quadrilateral of a circle ABCD with radius r and centre at O. If AB is the diameter and CD is parallel and half of AB and if the circle completes one rotation about the centre O, then the locus of the middle point of CD is a circle of radius:

- (a) $\frac{3r}{2}$
- (b) $\frac{2r}{3}$
- (c) $\frac{2\sqrt{3}r}{3}$
- (d) $\frac{\sqrt{3}r}{2}$

25. A cube of π cm edge is melted and moulded in cones of radius and height equal to 1 cm. The number of cones is:

- (a) 2π
- (b) $3\pi^2$
- (c) π
- (d) 4π

SCIENCE

26. Two wires connected in parallel have net resistance 2Ω . When one wire is removed resistance becomes 3Ω . Resistance of removed wire is:
- (a) 2Ω (b) 4Ω
(c) 6Ω (d) 8Ω
27. An electric bulb rated as 250 volt 100 watt is used at 200 volt supply. Power of bulb reduced to:
- (a) 52 watt (b) 32 watt
(c) 64 watt (d) 2 watt
28. Source of huge amount of energy in stars is:
- (a) Nuclear fusion
(b) Nuclear fission
(c) Chain reaction
(d) Burning of fossil fuels
29. An electron is going due east in a magnetic field, which is vertically downward. In which direction the electron will deflect:
- (a) North (b) South
(c) East (d) West
30. Consider the following statements:
Statement (I): Magnetic unipole is not possible
Statement (II): Magnetic field lines are closed curve.
- (a) Both the Statements are individually true and Statement II is the correct explanation of Statement I.
(b) Both the Statements are individually true and Statement II is the **not** correct explanation of Statement I.
(c) Statement I is true but Statement II is false.
(d) Statement I is false but Statement II is true.
31. A mirror makes real image of same size. The mirror is:
- (a) Convex mirror (b) Plane mirror
(c) Concave mirror (d) None of these
32. A man uses a lens of power $-2D$. His near and far points are:
- (a) 25 cm and 50 cm
(b) 50 cm and 25 cm
(c) 25 cm and Infinite
(d) 50 cm and Infinite
26. I ekUrj Jskh ea tM/nks rkjka dk dgy çfrjksk 2Ω gA tc , d rkj dks gV k fy; k tkrk gSrks çfrjksk 3Ω gks tkrk gA vvx fd; s x; s rkj dk çfrjksk g%
- (a) 2Ω (b) 4Ω
(c) 6Ω (d) 8Ω
27. , d fo | r cYc dh j sVak 250 okV rFk 100 okV dh gS ft l s 200 okV dh vki frZ ij ç; ks fd; k tkrk gA cYc dh 'kDr ?kV dj fdruh jg tk, xh
- (a) 52 okV (b) 32 okV
(c) 64 okV (d) 2 okV
28. rkjka dh fo'kky A tkz dk L=kr g%
- (a) ukHkdh; I y; u
(b) ukHkdh; fo?kVu
(c) pØh; vfHkØ; k
(d) thok'e bZku dk ngu
- 29- , d byDVku , d pñcdh; {ks= tksfd A/okZkj uhp dh vkj gSfd i mZfn'kk eafn"V dh vkj xfreku gS byDVku fdl fn'kk eafopfyr gksk\
- (a) mYkj (b) nf{k.k
(c) ij c (d) if'pe
30. fuEu dFkuka ij fopkj dhft , %
dFku (I): , d /kph; pñcd l Hko ugha gA
dFku (II): pñcdh; {ks= dh js[kk, i cn oØ cukrh gA
- (a) nksuka dFku vvx&vyx l R; gA vkj dFku II, dFku I dk l gh Li "Vhdj .k gA
(b) nksuka dFku vvx&vyx l R; gA vkj dFku II, dFku I dk l gh Li "Vhdj .k ugha gA
(c) dFku I l R; gS fdUr dFku II vl R; gA
(d) dFku I vl R; gS fdUr dFku II l R; gA
31. , d nizk oLrq ds cjkcj vkdkj dk okLrfod çfrfcEc cukrk gA ; g nizk g%
- (a) mRry nizk (b) l ery nizk
(c) vory nizk (d) buea l s dkbZ ugha
32. , d 0; fDr $-2D$ {kerk okys ydl dk ç; ks djrk gA ml dk fudV rFk nij fclnqg%
- (a) 25 l eh rFk 50 l eh
(b) 50 l eh rFk 25 l eh
(c) 25 l eh rFk vl hfer
(d) 50 l eh rFk vl hfer

33. A convex lens is dipped in water. Its focal length will:
 (a) increase
 (b) decrease
 (c) will remain same
 (d) its nature will change
34. A wire is stretched so that its radius becomes half. Its new resistance will be:
 (a) half (b) double
 (c) one fourth (d) four times
35. A bar magnet is suspended freely. Its north pole will indicate:
 (a) East (b) North
 (c) South (d) West
36. What is the number of neutrons in 7 g of ${}_6\text{C}^{14}$?
 (a) $8 \times 6.02 \times 10^{23}$
 (b) $7 \times 6.02 \times 10^{23}$
 (c) $6 \times 6.02 \times 10^{23}$
 (d) $4 \times 6.02 \times 10^{23}$
37. Which one of the following does not define a covalent bond?
 (a) a shared pair of electrons
 (b) an overlap of half-filled atoms or hybrid orbitals
 (c) increased electron density in the region between atoms of two non-metals
 (d) electrostatic attraction between species in which one or more electrons have been transferred
38. Match **List-I** with **List-II** and select the correct answer using the codes given below the Lists :

List-I (Discoveries)	List-II (Name of Scientist)
A. Proton	1. Rutherford
B. Electron	2. Chadwick
C. Neutron	3. Thomson
D. Nucleus	4. Goldstein

Codes:

A B C D	A B C D
(a) 4 3 2 1	(b) 3 2 1 4
(c) 2 1 4 3	(d) 1 4 3 2

33. mYky yBl dks ty ea Mqks k tkrk gA bl dh QkdI njh%
 (a) c<sh
 (b) ?kVsh
 (c) vifjofrZ jgsh
 (d) ml dh cNfr ea ifjorU glsk
34. , d rkj dksbl cdkj l s [khp k tkrk gSfd ml dh f=T; k vk/kh gks tkrh gA rkj dk u; k cfrjksk gskk%
 (a) vk/kk (b) nqkuk
 (c) , d plskkbZ (d) plj xpk
35. pfd dks LorU= : i l syVdkus ij ml dk mRrjh /k fdl vkj baxr djsk%
 (a) ijc (b) mRrj
 (c) nf{k.k (d) if'pe
36. 7 xke ${}_6\text{C}^{14}$ eaU; wRuka dh dgy l q; k fdruh gS
 (a) $8 \times 6.02 \times 10^{23}$
 (b) $7 \times 6.02 \times 10^{23}$
 (c) $6 \times 6.02 \times 10^{23}$
 (d) $4 \times 6.02 \times 10^{23}$
37. buea l s dks l gl a ksth cu/k dh 0; k[; k ugha djrk gS
 (a) byDVkuka dk , d l k>k ; qe
 (b) vk/ks Hkj's gq ijek. kq/ka ; k l dfyr d{k dka dk vfr0; ki u
 (c) {s= ea nks v/kkrq/ka ds ijek. kq/ka ds e/; i pj byDVku ?kuRo dk c<uk
 (d) foHkuU izt kfr; ka dse/; fo | q LFKrd vkd"lZ k ft l ea, d ; k nks byDVkuka dk LFKkukarj . k fd ; k x; k gA

38. **I ph-I** dks **I ph-II** l s l e syr dja rFk uhps fn, x, dW/ka dk c; kx dj l gh mRrj dk p; u dja

I ph-I ¼ kst ½	I ph-II ¼ kst dk uke½
A. cks/kU	1. jnjQkM/Z
B. byDVkU	2. pMfod
C. U; wRkU	3. Fkkk l u
D. U; fDy; l	4. xkMMLVhu

dW%

A B C D	A B C D
(a) 4 3 2 1	(b) 3 2 1 4
(c) 2 1 4 3	(d) 1 4 3 2

39. On passing a current of 1 ampere for 10 minutes, the mass of silver (atomic mass 108 amu) deposited on a fork from electrolysis of silver nitrate solution would be :
- (a) 670 g (b) 67 g
(c) 6.7 g (d) 0.67 g
40. The charge (in Coulomb) on Cu^{2+} ions is :
- (a) 3.2×10^{-19} (b) 2.3×10^{-12}
(c) 0.23×10^{-19} (d) 0.32×10^{-19}
41. The nucleus of a singly ionized carbon atom contains:
- (a) 6 protons and 6 neutrons
(b) 5 protons and 6 neutrons
(c) 6 protons, 6 neutrons and 6 electrons
(d) 12 protons, 6 neutrons and 6 electrons
42. What are the types of bonds present in $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$?
- (a) Electrovalent and Covalent
(b) Electrovalent and Coordinate
(c) Electrovalent, Covalent, Coordinate and Hydrogen
(d) Covalent and Coordinate Covalent
43. Which of the following is a chemical change?
1. Magnetisation of iron
 2. Condensation of liquid
 3. Burning of fuel
 4. Rusting of iron
- Select the correct answer using the codes given below:
- Codes:**
- (a) 1 and 2 (b) 2 and 3
(c) 3 and 4 (d) 1 and 4
44. Which one of the following is the correct sequence in increasing order of molecular weights of the hydrocarbons?
- (a) Methane, Ethane, Propane and Butane
(b) Propane, Butane, Ethane and Methane
(c) Butane, Ethane, Propane and Methane
(d) Butane, Propane, Ethane and Methane
39. fo | r vi ? kVu ds nkj ku 1 , fEi ; j dh /kkjk dks 10 feuV rd fl Yoj ukbV/V ds ?kSy ea çokfgr djus ij , d dkV&pEep ij , d= plankh ds n0; eku 1/4 jek. kq Hkkj 108 , -, e-; w½ dh dty ek=k gksch%
- (a) 670 xte (b) 67 xte
(c) 6.7 xte (d) 0.67 xte
40. Cu^{2+} vk; uka ij vkos k 1/4 dh /kE eiz g%
- (a) 3.2×10^{-19} (b) 2.3×10^{-12}
(c) 0.23×10^{-19} (d) 0.32×10^{-19}
41. , dy vk; fur dkcZu ijek. kq ds ukfkkd ea gkrs g%
- (a) 6 iks/ku rFkk 6 U; wku
(b) 5 iks/ku rFkk 6 U; wku
(c) 6 iks/ku] 6 U; wku rFkk 6 byDVku
(d) 12 iks/ku] 6 U; wku rFkk 6 byDVku
42. $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ eafdrus izlkj ds cu/k gksch
- (a) fo | r I a ksth rFkk I gl a ksth
(b) fo | r I a ksth rFkk mi I gl a ksth
(c) fo | r I a ksth] I gl a ksth] mi I gl a ksth rFkk gkbMkst u cu/k
(d) I gl a ksth rFkk mi I gl a ksth cu/k
43. buea l scku , d jkl k; fud ifjorZu gS
1. ykgs dk pñcdh; dj .k
 2. n0 dk I žkuu
 3. bžku dk ngu
 4. ykgs ea tx yxuk
- uhps fn, x, dWka dh I gk; rk I s I gh mRrj dk p; u dj%
- dW%**
- (a) 1 rFkk 2 (b) 2 rFkk 3
(c) 3 rFkk 4 (d) 1 rFkk 4
44. buea l scku gkbMkstkcZu dsc<fsvk.kfod Hkkj dk I gh Øe n'kkZk gS
- (a) ehFku] bFku] i ki su rFkk C; Wsu
(b) i ki su] C; Wsu] bFku rFkk ehFku
(c) C; Wsu] bFku] i ki su rFkk ehFku
(d) C; Wsu] i ki su] bFku rFkk ehFku

45. Soaps cannot be used in acidic condition because they lose their cleansing effect due to formation of insoluble:

- (a) Esters
- (b) Alcohols
- (c) Fatty acids
- (d) Hydrocarbons

46. Consider the following function of xylem

1. Conduction of water.
2. Conduction of minerals.
3. Mechanical support.

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

- (a) Only 1
- (b) 1, 2 and 3
- (c) 2 and 3
- (d) Only 3

47. Match List-I with List-II and select the correct answer using the codes given below the lists:

List-I (Disease)	List-II (Types of Disease)
A. Haemophilia	1. Deficiency disease
B. Diabetes	2. Genetic disease
C. Rickets	3. Hormonal disorder
D. Ringworm	4. Fungal infection

Codes:

A B C D	A B C D
(a) 1 4 2 3	(b) 3 1 4 2
(c) 2 3 1 4	(d) 4 2 3 1

48. Termites can't digest the cellulose contained in wood. Which of the following organism assists termites in the cellulose digestion?

- (a) Bacteria
- (b) Protozoa
- (c) Virus
- (d) Fungi

49. Which one among the following hormones stimulates the plant cells to grow in a manner such that the plant appears to be bent towards light?

- (a) Cytokinin
- (b) Auxin
- (c) Gibberellin
- (d) Abscissic acid

50. The DPT vaccine, a mixture of three vaccines, is used to immunize against three medical conditions/ diseases. These medical conditions/ diseases are:

- (a) Diphtheria, Pneumonia, Tuberculosis
- (b) Diarrhoea, Pertussis, Tetanus
- (c) Diarrhea, Pertussis, Tuberculosis
- (d) Diphtheria, Pertussis, Tetanus

45. I kcu dk iz kx vEyh; voLFkk ea ugha fd; k tk l drk D; kfd fd os buea l s fdl ds v?kyu'khy mRi kn dscuusdsdkj .k vi uh l QkbZ {kerk [knsr:sgA

- (a) bLVj
- (b) , Ydkggy
- (c) ol k vEY
- (d) gkbMtkdkcU

46. tkbye dh fuEufyf [kr dk; ka ij fopkj dj%

1. ty dk l ogu
2. [kfut inkFkk dk l pkj .k
3. ; ka=d l eFkU

mij kDr es l s dkU l s dk; Z l gh g@gA

- (a) doy 1
- (b) 1, 2 vLj 3
- (c) 2 vLj 3
- (d) doy 3

47. I ph-I dks l ph-II ds l kfk l eFyr dja rFkk uhps fn, x, dWka dk c; kx dj l gh mRrj dk p; u dja

I ph-I ½ kx ½	I ph-II ½ kx ds cdkj ½
A. ghekfQfy; k	1. ghLuku jkx
B. e/keg	2. vkuokl'kd jkx
C. fjdl	3. gkjekuy fodkl
D. nkn	4. dodh; l Øe.k

dW%

A B C D	A B C D
(a) 1 4 2 3	(b) 3 1 4 2
(c) 2 3 1 4	(d) 4 2 3 1

48. nhd ydMh eaekSt n l sygkst dks i pk ugha l drA buea l s dkU l k tho nhd dks l sygkst i pkusea l gk; d gS

- (a) t hok.kq
- (b) cks/kst kx/k
- (c) dhVk.kq
- (d) dod

49. buea l s dkU l k gkjekuy ikni dks' kdkvka dks bl rjg fodkl gsmRcfsjr djrk gSfd l kSk l j t dh jkSkuh dh vLj >pl tkrk gS

- (a) l kbVkdck; fuu
- (b) vkDI u
- (c) fxcjyhu
- (d) , cl hf l d vEY

50. Mh-i-h-Vh- dk VhdKj tks rhu vvx&vyx Vhdka dk feJ .k gS dk iz kx rhu jkxla ds ifr i frj kkd {kerk fodfl r djusgrqfd; k tkrk gA ; g esVldy jkx gS

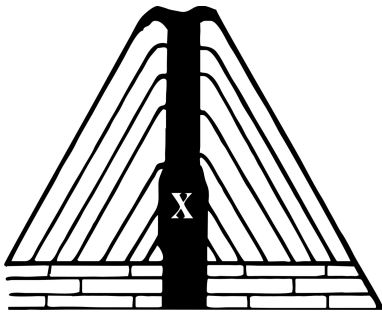
- (a) fMi Fkhfj ; k] fuekfu; ; k] ri fnd
- (b) nLr] dkyh [kk] h] fVVuI
- (c) nLr] dkyh [kk] h] ri fnd
- (d) fMi Fkhfj ; k] dkyh [kk] h] fVVuI

PART - II

GENERAL AWARENESS

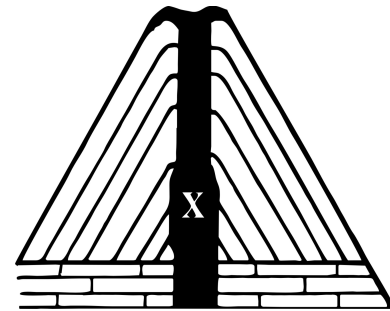
51. What was the estimated population of Mohanjodaro?
 (a) 15,000-30,000 (b) 35,000-41,000
 (c) 50,000-70,000 (d) 70,000-90,000
52. From which of the following veda, the proverb 'Asto ma sad gamaya' derived?
 (a) Rigveda (b) Yajurveda
 (c) Samveda (d) Atharvaveda
53. Who was the Governor General during the time of 1857 Revolt?
 (a) Lord Dalhousie (b) Lord Bentinck
 (c) Lord Canning (d) Lord Lytton
54. On which year 'Quit India Movement' was started?
 (a) 1940 (b) 1942
 (c) 1944 (d) 1946
55. Which of the following is **not** a fundamental duty of the citizen of India?
 (a) To develop scientific temper, humanism and the spirit of inquiry and reform.
 (b) To safeguard public property and to abjure violence
 (c) To uphold and protect the sovereignty, unity and integrity of India.
 (d) To practice family planning and to control population
56. Which of the following are **not** correctly matched?
- | List-I
(Title) | List-II
(National Symbol) |
|-----------------------------|------------------------------|
| 1. National Tree | - Indian Banyan |
| 2. National Aquatic Animal | - River Dolphin |
| 3. National Heritage Animal | - Indian Elephant |
| 4. National Reptile | - Indian Python |
| 5. National Song | - Jana Gana Mana |
- Choose the correct answer using the code give below?
- (a) Only 1 and 2 (b) Only 2 and 4
 (c) Only 4 and 5 (d) Only 3 and 5
51. ekgutksnMka dh vuøkfur tul æ; k D; k Fkh\
 (a) 15,000-30,000 (b) 35,000-41,000
 (c) 50,000-70,000 (d) 70,000-90,000
52. buea l s fdl on l § ykdksDr ^vl rks ek l n-xe; * dks fy; k x; k gS
 (a) __Xon (b) ; tøn
 (c) l keon (d) vFkobn
53. 1857 fontg ds l e; Hkkjr dk xoLj tujy dks Fkk\
 (a) ykMZ MygkSt h (b) ykMZ cøVad
 (c) ykMZ dSuak (d) ykMZ fyVu
54. Hkkjr NkM/ks vkUnksyu fdl o"z çjy EHK gqk\
 (a) 1940 (b) 1942
 (c) 1944 (d) 1946
55. buea l s dks Hkkjr ds ukxfj dka graq fu/kkZjr ewy dRrD; ka ea 'kkfey ughagS
 (a) oSkfud LoHkko] ekuookn rFkk ftKkl k ,oa l økkj dh Hkkouk dk fodkl
 (b) l koZtfud l EiFRr dh j{kk djuk , oafga k dk R; kx djuk
 (c) Hkkjr dh l EçHkqk] , drk rFkk v[k. Mrk dh j{kk djuk rFkk ml s v{kq. k j [kuk
 (d) l fjkj fu; kstu dks vi ukuk rFkk tul æ; k dks fu; fu=r djukA
56. buea l s dks l s l gh l øfyr ughagS
- | I ph&I
½k'Vh; ½k'Vh; ½k'Vh; ½k'Vh; ½k'Vh; | I ph&II
½k'Vh; çrhd½ |
|--|-------------------------|
| 1. jk'Vh; o{k+ | - Hkkjrh; çjxn |
| 2. jk'Vh; ty i 'kq | - unh MKMQU |
| 3. jk'Vh; /kjksj tUrq | - Hkkjrh; gkFkh |
| 4. jk'Vh; l jhl i | - Hkkjrh; vtxj |
| 5. jk'Vh; xhr | - tu x.k eu |
- uhps fn; s x; s dW/ka dh l gk; rk l s l gh mRrj dk p; u dj%
- (a) døy 1 rFkk 2 (b) døy 2 rFkk 4
 (c) døy 4 rFkk 5 (d) døy 3 rFkk 5

57. The 'President's Rule' in a state means that the state is ruled by:
 (a) the President directly
 (b) a caretaker government
 (c) the chief minister nominated by the President
 (d) Governor of the State
58. A present group of nations known as G-8 started first as G-7. Which one among the following nation was **not** the part of this group initially?
 (a) Canada (b) Italy
 (c) Japan (d) Russia
59. Consider the following figure related with a volcano. The point 'X' marked is known as:



- (a) Cone (b) Crater
 (c) Caldera (d) Vent
60. Near which scenic glacier is the Amarnath Cave situated?
 (a) Kolahoi (b) Siachen
 (c) Nunkun (d) Zaskar
61. The boundary of which Indian state coincides with Nepal, Bhutan and China?
 (a) Arunachal Pradesh
 (b) Meghalaya
 (c) West Bengal
 (d) Sikkim
62. A person wants to visit the national parks of Ranthambhor, Gir and Bandipur located in three different states of India. To which one of the following states he need **not** go in this connection?
 (a) Rajasthan
 (b) Karnataka
 (c) Kerala
 (d) Gujarat

57. jkT; eajk"Vq fr 'kkI u dk vFkZ gSfd jkT; ij:
 (a) I h/ks jk"Vq fr dk 'kkI u gksck
 (b) , d ds j VdJ I jdkj dk 'kkI u gksck
 (c) jk"Vq fr }kjk eukshr eQ; eU=h
 (d) jkT; ds xouj dk 'kkI u gksck
58. orZeku jk"Vka dk I eug th-8 ikjEHk ea th-7 FkkA bueal s dks I k nsk ikjEHk eabl I eug dk fgLI k ugha Fkk
 (a) dukMk (b) bVyh
 (c) tkiku (d) : I
59. TokykeQkh I s I Ecu/k fuEufyf[kr fp= ij fopkj djA fclnq 'X' dks dgrsg%



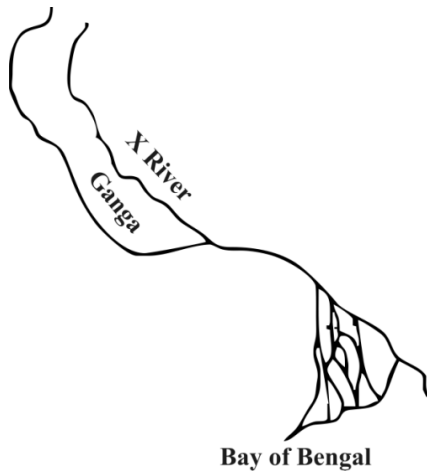
- (a) dks (b) ØVj
 (c) dky/Mjk (d) oBv
60. fdl eukje fgeun ds fudV vejukFk dh xQk fLFkr gS
 (a) dky/kgkZ (b) fl ; kfpu
 (c) uqdu (d) tEdj
61. fdl Hkkjrh; jkT; dh I hek usi ky] Hkw/ku rFkk phu I sfeyrh g%
 (a) v: .kkpy çnsk
 (b) es| ky;
 (c) if'pe cakky
 (d) fl fDde
62. , d 0; fDr jk"Vh; m | kukaj .kFkEHkS] fxj vkSj canhi j dk Hke.k djuk pkgrk gS tks rhu fofHku jkT; ka ea fLFkr gA bueal sfdl jkT; eabl I Ecu/k eaml s tkus dh vko'; drk ughagS
 (a) jktLFkk
 (b) dukMk
 (c) djy
 (d) xqt jkr

63. Match **List-I** with **List-II** and select the correct answer using the codes given below the list:

List-I (State)	List-II (No. of Districts)
A. Bihar	1. 75
B. Jharkhand	2. 24
C. Chhattisgarh	3. 51
D. Uttar Pradesh	4. 27
E. Madhya Pradesh	5. 38

A	B	C	D	E	A	B	C	D	E
(a) 5	2	3	4	1	(b) 3	2	1	4	5
(c) 5	2	4	1	3	(d) 4	5	3	1	2

64. The tributary of river Ganga marked X in the given map is which one of the following river?



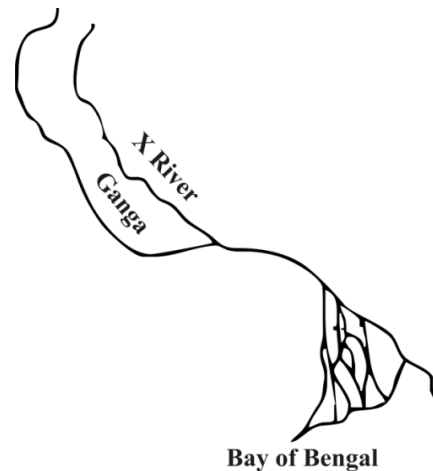
- | | |
|--------------|------------|
| (a) Gandak | (b) Kosi |
| (c) Ghaghara | (d) Gomati |
65. Chinkara is considered as the integral part of which one among the following communities?
- | | |
|--------------|-------------|
| (a) Apatansi | (b) Lepchas |
| (c) Bishnois | (d) Bhutias |
66. Which one of the following is **not** a rating agency of economy?
- | | |
|------------|-----------|
| (a) CRISIL | (b) CARE |
| (c) SMERA | (d) HIPOC |
67. Which one of the following bands is used in the transmission of signals in the Direct-to-Home (DTH) television broadcasting?
- | | |
|------------|-------------|
| (a) X-band | (b) Q-band |
| (c) W-band | (d) Ku-band |

63. **I ph-I** dks **I ph-II** ds l kfk l efsyr dja rFkk uhpw fn, x, dWla dk ç; l x dj l gh mRrj dk p; u dja

I ph&I ½kT; ½	I ph&II ½t yla dh l ç; k½
A. fcgkj	1. 75
B. >kj [k.M	2. 24
C. NRrh l x<+	3. 51
D. e/; çnšk	4. 27
E. mRrj çnšk	5. 38

A	B	C	D	E	A	B	C	D	E
(a) 5	2	3	4	1	(b) 3	2	1	4	5
(c) 5	2	4	1	3	(d) 4	5	3	1	2

64. çnf'kr ekufp= eabixr X] xak unh dh l gk; d unh gA og unh bueal scku gS



- | | |
|-------------|-----------|
| (a) x.Md | (b) dkl h |
| (c) ?k?kj k | (d) xkerh |
65. fpøkj k dks bueal sfdl l epk; dk vfhku vax ekuk tkrk gS
- | | |
|---------------|------------|
| (a) vi krka h | (b) yj pk |
| (c) fc' ukbz | (d) HkV; k |
66. bueal scku vFkD; oLFkk dh jsvax , tBl h ughagS
- | | |
|------------|-----------|
| (a) CRISIL | (b) CARE |
| (c) SMERA | (d) HIPOC |
67. bueal sfdl cSM dk ç; l x Vfyfotu ckMdkfLVax ½h-Vh, p-½ eaf l Xuyka ds çšk.k grqfd; k tkrk gS
- | | |
|-----------|------------|
| (a) X-cSM | (b) Q-cSM |
| (c) W-cSM | (d) Ku-cSM |

68. Match **List-I** with **List-II** and select the correct answer using the codes given below the list:

List-I	List-II
(Mobile Phone Brand)	(Country)
A. Vivo	1. India
B. Xolo	2. China
C. Nokia	3. Canada
D. Blackberry	4. Finland

Codes:

A	B	C	D	A	B	C	D
(a) 4	3	1	2	(b) 1	2	4	3
(c) 2	1	3	4	(d) 2	1	4	3

69. Which one of following is correct in respect of Indian-Football Team's performance in the Olympics Games?

- (a) India has never participated in the Olympic Football Tournament
- (b) India played only in the First Round
- (c) India entered only up to the Quarter Finals
- (d) India entered the Semi Finals

70. Which one of the following is the **correct** chronological order of the major lawn tennis tournaments?

- (a) US Open-Wimbledon-Australian Open-French Open
- (b) French Open-Wimbledon-US Open-Australian Open
- (c) Australian Open-French Open-Wimbledon US Open
- (d) Australian Open-US Open-Wimbledon-French Open

71. Which software is used for scientific calculations?

- (a) BASIC
- (b) FORTRAN
- (c) COBOL
- (d) PASCAL

72. Full form of URL is:

- (a) Uniform Resource Locator
- (b) Uniform Resource Link
- (c) Uniform Registered Link
- (d) Unified Resource Link

68. **I ph-I** dks **I ph-II** ds | kFk | efsyr dj a rFkk uhp
fn, x, dV/k d k ç; l x dj | gh mRrj dk p; u djA

I ph&I	I ph&II
1. eky Qk c. M½	1. Hkkj r
A. fook	2. phu
B. tkyks	3. dukMk
C. ukfd; k	4. fQuySM
D. Cyfdcjh	

dV%

A	B	C	D	A	B	C	D
(a) 4	3	1	2	(b) 1	2	4	3
(c) 2	1	3	4	(d) 2	1	4	3

69. Hkkj rh; QVcky Vhe dk vksy fEi d [ksyka ea çn'k u ds | Ecl/k ea buea | s dks | l k dFku | R; gS

- (a) Hkkj r ea vksy fEi d QVckly Vuks V ea d Hkh Hkkx ugha fy; kA
- (b) Hkkj r d o y çFke j kmM ea [ksy k FkkA
- (c) Hkkj r d o y DokVj Qkbuy rds i gp i k; kA
- (d) Hkkj r us | eh Qkbuy ea çošk fd; kA

70. çedk ykku Vfu | Vuks V dk | gh dkyku e D; k gS

- (a) vefj dh vki u & foEcyMu & vkLVfy; kbZ vki u & Yp vki u
- (b) Yp vki u & foEcyMu & vefj dh vki u & vkLVfy; kbZ vki u
- (c) vkLVfy; kbZ vki u & Yp vki u & foEcyMu & vefj dh vki u
- (d) vkLVfy; kbZ vki u & vefj dh vki u & foEcyMu & Yp vki u

71. dks | k | kVVo s j o k k fud x.kuk gr q ç; l x ea yk; k tkrk gS

- (a) BASIC
- (b) FORTRAN
- (c) COBOL
- (d) PASCAL

72. ; wvj-, y- dk i wkZ : i gS

- (a) ; fuQkeZ fj | k | Z ykdVj
- (b) ; fuQkeZ fj | k | Z fy d
- (c) ; fuQkeZ jft LVMZ fy d
- (d) ; fuQkM fj | k | Z fy d

73. Match **List-I** with **List-II** and select the correct answer using the code given below the lists:

List-I	List-II
(Day)	(Date)
A. Indian Army Day	1. 15 January
B. Indian Navy Day	2. 1 February
C. Indian Air Force Day	3. 8 October
D. Indian Coast Guard Day	4. 4 December

Codes:

A	B	C	D	A	B	C	D
(a) 3	2	1	4	(b) 1	4	3	2
(c) 1	2	3	4	(d) 2	3	1	4

74. Who is the present Chief of the Naval Staff of India?

- (a) Admiral R.K. Dhowan
- (b) Admiral D.K. Joshi
- (c) Admiral Suresh Mehta
- (d) None of these

75. Which of the following is **not** a peacetime gallantry award?

- (a) Ashok Chakra
- (b) Kirti Chakra
- (c) Vir Chakra
- (d) Shaurya Chakra

73. **I ph-I dks I ph-II ds I kfk I efyr dja rFkk uhp**
fn, x, dV/dk ç; lç dj I gh mRrj dk p; u djA

I ph&I	I ph&II
%nol ½	%nukol½
A. Hkkjrh; Fky I uk fnol	1. 15 tuojh
B. Hkkjrh; uk I uk fnol	2. 1 Qojh
C. Hkkjrh; ok; q I uk fnol	3. 8 vDVej
D. Hkkjrh; rVj {kd fnol	4. 4 fnl Ecj

dV%

A	B	C	D	A	B	C	D
(a) 3	2	1	4	(b) 1	4	3	2
(c) 1	2	3	4	(d) 2	3	1	4

74. Hkkj r dsorZeku uk uk/; {k dk u g&

- (a) , Mfejy vkj-ds /kou
- (b) , Mfejy Mh-ds tks kh
- (c) , Mfejy I j'sk egrk
- (d) buea I s dkbZ ugha

75. buea I s dku , d 'kkardkyhu ohjrk ij Ldkj ugha g&

- (a) v'kkd pØ
- (b) dhfrZ pØ
- (c) ohj pØ
- (d) 'kks Z pØ

ENGLISH**SPOTTING ERRORS**

Directions: Each item in this section has a sentence which is divided into parts labelled (a), (b) and (c). Read each sentence to find out whether there is any error in any part and indicate your answer in the Answer Sheet against the corresponding letter i.e., (a), (b) or (c). If you find no error, your response should be indicated as (d).

76. My friend always prefers reading short stories than voluminous novels. No error
 (a) (b) (c) (d)
77. The children were playing with a ball and run around when the accident occurred. No error
 (a) (b) (c) (d)
78. Neither of the contestants was in proper physical condition to do his best work. No error
 (a) (b) (c) (d)
79. We are fortunate in being able to visit Puri because there is many who cannot go there No error
 (a) (b) (c) (d)
80. Javed had not forgotten the incident and could clear remember all the details. No error
 (a) (b) (c) (d)

COMPREHENSION

Directions: In this section, is one short passage. After the passage, you will find new questions each based on what is stated or implied in the passage. First read the passage and then answer the questions following the passage.

PASSAGE

At that time everyone believed that the earth was at the centre of the universe. But Copernicus realised that this picture did not agree with astronomical observations. He worked out that the Sun was at the centre with all the planets moving round it. He said that our earth takes a year to travel round the Sun, and also revolves once every 24 hours. Copernicus believed that the planets moved round the Sun in perfect circles. Fifty years later, Kepler used the extremely accurate measurements of Tycho Brahe to show that they do not.

81. Copernicus' belief that the Sun was at the centre of the universe was based on:
 (a) common sense
 (b) his astronomical observations
 (c) mathematical calculations
 (d) observations of other astronomers.
82. The belief that the earth was at the centre of the universe was held at that time by:
 (a) everybody (b) Copernicus
 (c) the uneducated persons (d) None of these
83. Copernicus' belief that the planets moved in perfect circles:
 (a) was self-evidently wrong.
 (b) was perfectly correct.
 (c) was based on astronomical observations.
 (d) was proved wrong on further astronomical observations.

84. Copernicus claimed that:
- (a) all the planets move round the Sun.
 - (b) only the earth moves round the Sun.
 - (c) the Sun moves round the earth.
 - (d) the earth revolves but does not move round the Sun.

SYNONYMS

Directions: Each item in this section consists of a sentence with a CAPITAL word, followed by four words. Select the word that is most *similar* in meaning to the capital word.

85. It was Prani's PRACTICE to get up early and go for a walk before breakfast.
- (a) convention
 - (b) habit
 - (c) fashion
 - (d) rule
86. Sita asked Laxmi not to MEDDLE in her affairs.
- (a) interfere
 - (b) cross
 - (c) impose
 - (d) intercede
87. We must ERADICATE corruption.
- (a) control
 - (b) condemn
 - (c) uproot
 - (d) minimise
88. You must give sufficient water and manure for seeds to GERMINATE.
- (a) produce
 - (b) sprout
 - (c) breed
 - (d) terminate

ANTONYMS

Directions: Each item in this section consists of a sentence with a CAPITAL word, followed by four words. Select the word that is most nearly *opposite* in meaning to the capital word.

89. This is not ideology but PRAGMATIC language teaching.
- (a) impossible
 - (b) imperfect
 - (c) improper
 - (d) impractical
90. There are reports that many poor people ABANDON female children.
- (a) help
 - (b) keep
 - (c) reject
 - (d) like
91. Machine civilisation has made human life ARTIFICIAL.
- (a) authentic
 - (b) true
 - (c) natural
 - (d) genuine
92. The Minister is OPTIMISTIC about the new project just launched.
- (a) cynical
 - (b) pessimistic
 - (c) dubious
 - (d) stoical

FILL IN THE BLANKS

Directions: Each of the following sentences in this section has a blank space and four words or group of words given after the sentence. Select whichever word or group of words you consider most appropriate for the blank space and indicate your response on the Answer Sheet accordingly.

93. The city was plunged _____ darkness due to a sudden power failure.
- (a) at
 - (b) through
 - (c) to
 - (d) into
94. Human beings wish to _____ the unknown.
- (a) triumph
 - (b) travel
 - (c) encircle
 - (d) conquer
95. He died _____ martyr in the cause of independence.
- (a) though
 - (b) a
 - (c) for
 - (d) since

96. India needs sincere leaders, not people of _____ integrity.
 (a) doubting (b) doubtful (c) doubtless (d) double

ORDERING OF WORDS IN A SENTENCE

Directions: Each of the following items in this section consists of a sentence the parts of which have been jumbled. These parts have been labelled P, Q, R and S. Given below each sentence are four sequences namely (a), (b), (c) and (d). You are required to re-arrange the jumbled parts of the sentence and select the correct sequence.

97. She was born at 10 a.m. in India in the year 1978 on the 18th August .
 P Q R S

The correct sequence should be:

- (a) PQRS (b) QPSR (c) RSQP (d) SRPQ

98. I believe that Virat's century will always remember cricket lovers on Tuesday .
 P Q R S

The correct sequence should be:

- (a) SRQP (b) RQPS (c) PSRQ (d) PRQS

99. Milton said that those persons would be damaged who do not obey God's commands .
 P Q R S

The correct sequence should be:

- (a) QPRS (b) PQRS (c) PRSQ (d) RSPQ

100. The little girl for the mother to leave said to her friend little children on their own
 P Q R

it was not quite right
 S and go to work.

The correct sequence should be:

- (a) SQRP (b) PRQS (c) RPSQ (d) QSPR

SPACE FOR ROUGH WORK



TEST PAPER

CLASS - 10

Time: 2 hours

Maximum Marks: 400

व्युत्पत्ति

- 1- ijh{k.k i kjEHk gkusdsrgjUr ckn] vki bl ijh{k.k i qlRdk dh i Mfky vo"; dj yaf d bl eadkbZfcuk Ni kj QVh ; k NwK gqk i'B vFkok i'z'ukad vkfn u gkA ; fn , d k gS rksbl sl gh ijh{k.k i qlRdk l scny yhf t, A
- 2- -i ; k / ; ku j [kafd OMR mYkj&i=d e] mfr LFku ij] jky uEj / ; ku l s, oafcu fdl h pnd ; k fol xfr dsHkjusvlg dWc) djus dh fteEnkjh mEehnokj dh gA fdl h Hkh izdkj dh pnd@fol xfr dh fLFkr eamYkj&i=d fujLr dj fn; k tk; xkA
- 3- bl ijh{k.k i qlRdk ij l kfk eafn, x, dksBd eavki dksviuk vuqekad fy[kuk gA ijh{k.k i qlRdk ij vlg dN u fy[kA
- 4- bl ijh{k.k i qlRdk eadgy 100 i'z'ukad 1/2 u 1/2 fn, x, gS Hkx I & xf.kr] foKku vlg Hkx II - I keW; I prrkj vxatA iR; d i'z'ukad eapkj iR; Ykj mYkj 1/2 fn, x, gA bueal s, d iR; Ykj dksppu yj ftl svki mYkj&i=d ij vadr djuk pkrsgA ; fn vki dks , d k yxsf d, d l svf/kd iR; Ykj l gh gS rksml iR; Ykj dksvadr dja tksvki dks l okke yxA iR; d i'z'ukad dsfy, dgy , d gh iR; Ykj ppuuk gA
- 5- vki dksvius l Hkh iR; Rj vyx l sfn, x, mRj&i=d ij gh vadr djusgA mRj&i=d eafn, x, funsk nf[k, A
- 6- CR; d i'z'ukad pkj 1/4 v d dk gA
- 7- bl l sigysf d vki ijh{k.k i qlRdk dsfoHku i'z'ukad iR; Rj mRj&i=d ij vadr djuk "kq dj] vki dks i dsk iek.k&i= dsl kfk i'kr vups'ka ds vud kj dN foj.k mRj&i=d eansusgA
- 8- vki vius l Hkh iR; Rj dks mRj&i=d eahkjusdsckn rFk ijh{k.k dsl eki u ij dgy mRj&i=d v/kd dks l ki na vki dksvius l kfk ijh{k.k i qlRdk ys tkus dh vufr gA
- 9- dPpsdke dsfy, i=d ijh{k.k i qlRdk ds vUr eal y/xu gA
- 10- **xyr mRjka dsfy, n.M%**
oLrj' B i'z'u&i=ka eamEehnokj }kjk fn, x, xyr mYjka dsfy, n.M fn; k tk, xkA
 - (i) iR; d i'z'u dsfy, pkj obfYir mRj gA mEehnokj }kjk iR; d i'z'u dsfy, fn, x, , d xyr mRj dsfy, i'z'u graqfu; r fd, x, veka dk , d 1/2 v d n.M ds: i eadkVt tk, xkA
 - (ii) ; fn dksZ mEehnokj , d l svf/kd mRj nsk gS rksbl **sxyr mYj** ekuk tk, xk] ; | fi fn, x, mYjka eal s, d mYj l gh gkrk gS fQj Hkh ml i'z'u dsfy, mi; Prku d kj gh ml h rjg dk n.M fn; k tk, xkA
 - (iii) ; fn mEehnokj }kjk dksZ i'z'u gy ughafd; k tkrk gS vFkr-mEehnokj }kjk mYj ughafn; k tkrk gS rksml & i'z'u dsfy, **dkbZn.M ughafn**; k tk, xkA

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

/; ku na%vuq's'ka dk fgluh : i kUrj bl i qlRdk dsfi Nys i'B ij Nik gA

Help Line Nos.- 1800-313-2004 (Toll Free), 09696330033, 0532-2467651 www.mkctalenthunt.in

Organized by:



MAJOR KALSHI CLASSES PVT. LTD.

"SHAPATH" 105/244, Tagore Town, Near Colonelganj Inter College, Allahabad-211002 [U.P.]