

### **Connect to Conquer (C2C)**

2019

# IASbaba's Mains Answer Writing Programme

Candidate Name:	Test 2		김 동생 전 관계 관계 관계
Mentor's Name:	Surana	Date:	17/3/19
		Roll No.:	K Comment

L	Table of Marks		Instructions		
Q. No	. Maximum Marks	Marks Obtained	Please read each of the following		
1	(0)	Ais	Instructions carefully before attempting the		
2			questions:		
3		4			
4			There are <b>TWENTY</b> questions.		
5 6		2	All questions are compulsory.		
7		2.5	Questions 1 to 10 carry 10 marks each.		
8		1.5			
9	Andrea de la companya	5.5	Questions 11 to 20 carry 15 marks		
10		T	each.		
11	15	6	• The duration for the test is 180		
12		6.5	minutes.		
13	and the second	ć	Initiatos.		
14		6	• The answers must not exceed 150		
15		105	words for 10 markers and 250 for 15		
16		7.5	markers.		
17	and shared to	4	and the first of the second second second second		
18		1	Content is more important than the		
19		-	number of words.		
20					
	Total Marks: <b>250</b>	Total Marks Obtained: If g			

**REACH US** 1737/37, MRCR Layout, Vijaynagar Service Road, Vijaynagar, Bangalore 560040 (91) 90350 77800 support@iasbaba.com

**OVERALL FEEDBACK/COMMENTS** To be filled by the examiner \* Pororeide technology 9 economics related j 3 related poin te. \* Pointslike skill, in t are too generic f ans were A STORE BOARD TO THE STORE X Juy to a The second and floate that deep chains in the married abutter in Realitation aster a krait bernes. O

ASBABA C2C Mains Answer Writing Programme 2019 caupaign allered the has wate in India place for Candidates Q1. in India & Discus must not write on industrial landscope this margin Make in India is the flagslip programme of gout -India to woost in digenous monefacturing and of many facturing sector to Contra better in verse the per 2025 Buccess of MII Successfully woosted Defen & Acut facture with unovation 0 and meethient & from for built by India with Eg Scorpert class subwarnere technology kangler from France Hake in India has segue country green peech to HIME'S  $(\mathcal{X})$ in manufacturing weth NO of MSHE Crossing to I crock sence 2015 Target of It has abso reated meestments Nanofacturen 3 sectors lebe solor & renewable energy auto moterly & ICT manufacturing For eq ching gening robile Hounfecturing in Benjæleren of chentrai lank of in EO DB increased reproved from 100 to TT in dir

where HIT faeled and a los Cand Contribution of moderstries continued to lag at Since 2015. SDP Majority of manufacturing ocar by foreign kechnolog, Kelper without much indigendess invorations  $\bigcirc$ Aital Atories has been significant only m capital goods industry with & consumer goods in dustay ngword. Hence with The & fillow of MII would should also jocus on innarations and with the coil jocus on development of consumer industr chiere .

you support privatization of hailways. would Gi substantiale your argument with Candidates must not prepar arguments. write on this margin # Indian ralway network is 4th hargest in Carriging capacity & carries nearly on a day basis Phot of privati 2 ation Increased professionalisan of employees Enhances faceleties such as security a passanger competite of trains would increase improve. Cleanliness 3 Improved rechardogy as interms of True officing (4) etc as private sector cau being prompt more unestments. Cross Luberi afford introduce tual lous of privatication Revenue of goot would reduce  $\bigcirc$ Travelling by trains would be come costly 3 Indian raelways to are a thoracter a 900 3 www.iasbaba.com

ASBAB C2C Mains Answer Writing Programme 2019 and port of Indian heritage Privatigation would be a potet 'sundage on both these characters belly, Way ahead Indian railway can the up with private sector in providing reverces like beddings, ticketing, security Enhance FDI in harlways Boost muc innovations - Train 18 is a good example me Z Bileek Delegon Co Sugada Kog

IASBABA C2C Mains Answer Writing Programme 2019 Illushate the correlation b/w highway development Candidates a economic growth E sentable must not changes write on this margin It hood value and highways are considered to be the benchmark of development. According to Highways India has a network of unestr 10 Labh Ku 19 hway more than Highway & conomec development octunities around highways in lering of small Skeat  $\bigcirc$ business Improved road means faceletes like health, education Ø would raily reach for flung areas -2 knowspatia goody Agriculture develop as marketing 3 can be easily marketed Egg Highworth Eg Golden Quadri latizat - which connect 4 metro politar 0 said to have a multiplier effect atus on GOT development as worked can easily migrate too then places.

NH44 (contine NH-14) - the has brought romarkalen development to earlier under developed areas of Jk K.
NH 76 - in Lajestham has lunbed Villages partificularly in semilarit regions & fueled their growth. Cana Mus Wr 28 However Highway development must also consider 28 Cological aspect in Hud Densuke AT up displacement Honey displacement of kibel poph happens. Economic growth must go hard with ecological development to ensure SDG - 2030 targets Use easily substantiable examples like. - Noeth South east west corridor. Industrial corridors (Eg DMic · Bharathmala project etc.

what is model & Bring out its advantages BOT Candidates QS. must not A draw backs write on this margin Build oprate & Kausper 607 stands for re a private derigus & burch a project, company costs (& propits) are recover id wrtil the M operati to or further operation rt and then best example Toll bration andy dera opens NMA recover cost playa Aufort development by G Munbar Q nodely G Advantages unovation Kanology & Philade sector use best  $\bigcirc$ bod services deter delur basi as that this model awaid delay Efficiency of grenation R project completion Bints are los generic. Scanned with CamScanner

Drawbacks Often the material used by private sector particularly in bood construction is of poor quality to attract to attract future withacts. She @ Projects are not cost pffective. Boy consistion in giving contract to Way ahead monitor junction of couskuction - Profer Mechanisme to of facjicts. 156 90 1 - hearing rechnology from private sector tasc that freture projects can be under taken by gout itself - Capacity building of Mublic sector in Perus y quality of material used, engineers etc Hybrid Annity EPC 807 goat finding 40%. by goret - Tolling and 60% - perfor Difficulty - mance based revenue sharing in land acquisition - scaptical pot meneschip.

Have you heard about hypes I why is it a que big achievener Discuss earth observation Candidates must not write on this margin remoti sening satellite of 15RO of Hypes is of unaging copolety wat - It was spectral PSCV cc 33 launch vehicle. launced by Acheevement of MySIS. would high Horoughpert special 0 would beef m malter, Statoy Auc of which etc. detection Mutual y y land runs The satellite is capable of detecting (2) dyence hance would het upto a few feet & ALCIC detection kingly also be used I t would 3 maters of geological depth upto a fue Also help to detter in weather survey by stouds ; sydones it. unaging

Manus Answer Writing Programme 2019 Hyris, is also an achievement be crouse it way launched along with \$ a doyen of other satellikes It would beep in sofe border Management inages of activity at & border. Mence MYSIS is a step ahead to take the India's space capability to the next stage in remote Seisin vision using - Krays, infrared, game rays etc. > Disaster management > Monsoon forecasting helps in Fasal Bima Yojana ete

How is acceptment in robotics Kansforenery medical Candidates sector & Discuss must not Q1. write on this margin to Themes of 4th Industrial Revolution is going to revolutionize the land scape by devastating technologies ube Machine Harring, AI & development of habots and health sector would be the 1st to feel its wike. Impact of two vobatics in health sector In Surgery 0 As one of the nobots in US successfully did a singing on heart In drag design by using softward such as robots which are gebrated on softwares like I y not can help to ، المحصح المح بغي  $\mathcal{L}$ effectually design better drugs. In-lesting & diagnosis 3 Robots in Ching are successfully diagnosing potonts with conor concer www.iasbaba.com **Connect to Conquer** 

Infuture Role of Robots in Julie O They can half to advice patients and doctars " with the about a new diseased patient can develop." Robots can replace humans in advicing patients Variable via <u>kleconforming total</u> beth belleg 3 can be used 10 develop treatment of genetic houte disorders such as sichlic ell, hemophilia to Future looks of kright for health sector with theadwort of nobots. However it must be an ander endeavour of humanity to check that harmon beign are loss of nichihood does not happen because of lechnology Content not satisfactory. Mution, Humanoide in curing lovelineg among elders. - High precision gene editting - Successfull organ transplantations Pacemakers, artificial hande G Scanned with Ca limbe etc.

IASBABA C2C Mains Answer Writing Programme 2019 now you explain geve edition to a common man Give a simple & rucid ensurer Candidates must not QI write on Explain yene fing this margin Gere editing is the kchology to correct a discose reptacing, editing on deleting a defecting depetier Geve editing explained ÓNA Franslation MM mm delectu delive gul Whoten Veplane defectuer gene Via Oright-Cas 9 4ch parslation 111 healthy gene healthy posten

- Proteins in human loody are produced by Kanslation of geve. But ij a defectuée geve is present it would rosent in défectuée protein kef hai fibrolysis or soft boue discose The part if the depicture give is replaced by 9 healey Cities protein can be produced healthy In this way the disease can be recovered. found successful solution bday scientists have malorig, buth based some of disease like A liven cancer via gene heatkenic leakening ech hun j

IASBABA C2C Mains Answer Writing Programme 2019 what are carbon nanotubes of Descuss their application Candidate must not write on a Cau this margin mu Wr this larbon nanstubes is an allotrope of carbon having Jubl Libe Structured A properties Auch high thermal resistance Shock absorption fewer le st great etc Conductory conbon individual atou Jule like bon nano-fubl dus Applications in defend ng high strength suits weapous with carbo for soldiers design rbon (ooting ticreased derebelity for In space sector R mulling over space elevertera Recently Japan tound of carried by channel of carbon housteber. with t www.iasbaba.com

In aviation Fabrication would reduce of jets with carson now two would reserve in light welight jets. Ci Qt In addicine carbon nonstudies are expensively used for drug delivery & personelized recticing. In automobile design Ina recent experiment it to a found that coarting debits explainst with carbon houderlys led to less emissions (6) In designing Jabrics especially for fig fire fighters for fire rosistent clothes. Hence Carbon hawstuber told huge prospect for Scientific advancement of with time were dimension would open for their applications.

sing i rogramme 2019 1 Now can it be a game changer in what is remarg po Indian content of Candic must write this m unified Undang stands for Unified Mobile App for New Agi Governang is an effort by gover to advance the benefits of equiernance to public. UHANG-Agame changer. 8 In paying bills - for ig water bills O thwould reduce time by enhance officery by bring ing martiple services and singh platfour Auchos paying bells of water & etichicity. @ facilitate Other e- gover have took like aadhar as fadhar states can be checked on UMANG. (3) Helpin denoising they status of gos services like voting card, box PAN card, passparil alti. UNANG is an effort to connect More than LO  $(\cancel{4})$ department of Kinisteries which would help

C2C Mains Answer Writing Programme 2019 public by mading de lays Jaced at Muliple level SUMANG comes with Dice our functions hence is discubled friendly Help vouses workers by grong the kansmetting 3 other services like DBT & fincincial inclusion as UMANG is Avoid wage delays to workers of MANREGA (6) as they can check the status of their weges. KTI can also be fold wing UMANG app (7)UNANG is a slep to reduce governments increase governance & would help go long way in creating a fransporent & accountable. government have at a general the set of a set of a

Wains Answer Writing Programme 2019 what dawage dost digital illekacy do to a society in 21st century 9 behat moasures have been taken to pridge the dig tal divide in India Candidates must not write on this margin Vision 2020 documento NITI a ayon has digital India ses one of the key target ambitions. Housen Reprevalence of digital ittel itteracy is a barries to achieve the targets in Fine . Only 10% population in India is dig tally lifevent. Prove provide more Thoints Damages casesed by digital illeracy -on cyber threats Poor delivery of services as most of the services and alle avialoth online O Hinder designing og neue tools to deliver services. Kok via digital technology hence under mine innovetion link Death of willager in Thankhard he cause they didn't knew how to operate digital kation card. @ Farmers not able to track the OBT's received

under various schemes like PHFBY the. Unsed KCCs, Jan Dhan accounty O Gove initiations like digitated for digital education. Campaignes conducted at village levels by bank personnel, reachers for digital literary I e-ritray a C SC are set up to que service to digitally ellevent fall folk (3) <u>Bhardhet</u> too bridge flocturde of internet access in 20000 Gren Panchayats Der Kouth obour on digital and the churches to educate My Kyouth obour on digital and the church y. ( Campaign by private companies to raise digital awareness New India would rise from the cradde of digital revolution & att Hence all efforts and hearsary to Midge the digital divide

C2C Mains Answer Writing Programme 2019 Examine the challenges & potential of avid aviation sector in India. what measures have been taken Q12 to promote thes sector According to ICAO India is gralargest Harber of fivil aviation of expected to be come 2nd larget in sort over taking UK. Allara An Security reference Challenges O Hijaching incidents like 16-814 in 1999. Sunggling (~) I gold, drugs, black money. 3 Import of threatened species like turtles, birds the or invasive species like epotic plants, insect species in Potential 1) Enhance connectivity to tier ed lies 3 cities boost rocasen & tourister related industries like hotels. in far flung eities  $\odot$ 

IASBABA C2C Mains Answer Writing Programme 2019 government ulti atues libe Contribute to Candidates Charat down that connect Schon must not PRASAD write on this margin Hawy cities boost suployment & investment in newly connected cities According to legistics indep of world bank for way to! in wase in con air connectivity 4 DP increase by 1 Gov & Initiatues make air travel cheger to UDAN Schamp C to lose phyrical obstacles in order to survere Yatra Digi 0 check - in, licket booking suchap Enhanced safety at airports by Etst CISFA 3 snyfer dogs. No Newpin ports are disabled friendly A Y pregnant woman presidly Greefield projects for development of new airports

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100th disport at sibbin & Jetrunning on kiepel are positive signals for both civil aviation & to environment sestemating A development . Challenges Derhensive DATF not under GrST 3) insolvency of Jet airways KFairlines, aie India - Sceptical fæssengers. (A) Lack of last mile and feeder Connectionity.

IASBABA C2C Mains Answer Writing Programme 2019 9. What do you understand le transfer of lechnology Candidates must not vilal component of any write on pelly is it a these this margin Illustrate by taking spamples. reary queing the technology Thous for of technology Earklai ber exchange nother than 9000 etc Ka hodre a assets then servers hoportoinel 0/ 101 unovation Ligwycant heng 109 bungs in for development Dispets any risks - for eg nobel phones Manufel X Manufactured aboroad can be energipted to speal wett data, but that Manufactured indigenously 1 has us such risk. same lech Boost indigenous Manufacturing & hence generate (3) domestic of employment. No ophysical exchange is muchied logistic (7) hence costor harsfor xo saved I Technology comes cheeper compared to essets themselves

Examples 1) Scorpene submarine built beg TOT from France Micro ivingetion practices being quéen by Israel 3 4 M was kernology from America Kudankulan Nuclear reactor designed from Russian Aid. (S)Bullet kain un Japon To T friden Japan tholie Advanced MRI Machines lechnology imported 6 Jrow USA Fechnology Freedy Govtinitiaties to boost TOT EO DB enerronment Improved Relaxed I Ber regime FOI in Multiple sectors Make in India Technology housfer fillos

## **IASBABA**

C2C Mains Answer Writing Programme 2019

907 is inportant to propel growth housing ir must be coupled with indigenous innovation which can be aided by inifications like Afel innovation program.

How is IT transforming lives gacomed citizen in India ? Illeustrate by taking alleast Serampley qy. Et Industrial reduction would be help to surstantielly karfform the lives of people His transforming hies: O By increasing efficiency as most of the fasts can be done from comfort of home. D'Enhanced transporting as government function can be monetored by applie Mygou 3 Transfer of Honey has become convenient by i-wallet, digital banking etc. (b) ICT is sage which procustes its usage. Subjective argument Examples whee IT has many formed lives O In Flight & Kan bookengs

ASBABA C2C Mains Answer Writing Programme 2019 cortion one had te stand in long queux for ficket bo oking Candidates must not write on Now can be done come mently this margin IRCTC websily In Firme sector Honey kans sending Money to other account, paying kills for services etc does not require going to the bank on bell payment booth. JPJ, BHIM affecte Education 3 initiatues like SWATAM has helped to for poor children access higher iducation programs for thee. ( Mainta Maintaining kansparency by Knowing filing & Knowing the status of websily via However problems like digital illerationy & cyber threats need to be addressed to which would herp to make ICT More sole & inclusive

Drones have lecome very popular all over world I you are asked to relustrate alleast 4 examples of Candidates what would those be. Discury must not write on this margin troves are electronic aerial Unmanned flying objects having applications take surveying, photography, ponitoring etc Koli of drones in disaster Managemen (i)Alranded people in disaster can be identified Eg in 110004s @ Security & Border Management kecke apervations can be done in sensitive areas like LOC Oronos can be integrated à CIBMS (z)Inffic Management Regfic hotspots can be identified & help as the stuck traffic reliase

Againcultur incurred duets I dentify the Toss done by pes pest attack, excesseive rain Aineral survey Spectral Imaging can be used to identify anderground Minerals. Identily for water feble in drought prove areas to Meterology the wonth like cyclones can be detected accurately Melp Jishereran to by detection relative position of Isenamis A . 5 from warey also identify fish catch. Ureban planning is according to land insect dato obtained from drones.

Recently Ministry of avel arrivation released quidelenes for quivation & regis mation of droves. Ca This would result in stranger regulation & g Here clor & bagety sayequard sensitive institution th like anports. When you are asked for atleast 4 example examiner is te examples with good eschecting explanation. Proveide 10 examples doesn't make a fierfact answer.

Martin and States

Q16 What significance do portshold for Indias Strategic A economic interest Mustate Also mention H. Also rentian Meaning to strangthen port inprosteric terel According to Ministry of shipping about 70 %. Hede is by ports Aignificance of ports Of In trade - as a significant part part prade is carried by (3 2) Development of Fisheries especially in deepwater which by harbouring boats which require deep sea fishing. G 3 1 h come transportation Indian oceang - Oh high leas & inland. See routes Posts o Economic development of region og Kandly, Bhaunagen cites are properous as they ß have ports

ASBARA C2C Mains Answer Writing Programme 2019 Enployment geveration spilled a unshelled workforce to be placed at docks () Spoure international watery. steps faber tog & Sayounday Project to Moderate ports De Privatization: 10 Introduce new Technologyrecent Kanyabanary fort to be developed by private cout sibution 3) Autometion of poits Mahindra autometed Kandda, Kumbai I Bhavenagor ports (apacity kulding Eg addition of Now beathr of at Nhave Shoug port. 100% JA FOI in Post desclopment RFID, JAMP ete

Ports are key to success of economic develop. ment in a littorel region & alleforts must be put to enrich their copability sand international in a

unch a Candidates must not write on this margin putificial intelligence is a term to denote into intigrated into machines machines by computer isa term te devote intelligence So they algorithuy can learn from their operation & processes Uses online search quie seggestions as Al can In health sector Dian dreve discourse Al to halp in as the generate employment 3 as more and more Al is used in Jon Al programmers day te day life Finance sector 4 but house wold budget te que suggestion ou & me choice of test of meestments Monagement, investment instruments like 10ck, bouds 07

3 e- country would abd see a positure spin with user -choices can be identified & mode more sensible Challenges I As AI we epous like Automated we apon systems can get into hands og lerroreste Devente jot lass of joss as most of the work to Perovide the over taken by Marchines P. As beller 3 AT would also Researches say A I would hourd make users more a noke lagg as they frame to do lista less work. hallen pronotion of perticular good online etc. Dehic AI is a mojor boon for hunanity However Real all efforts must be put to ensure that e.A. In AF does not turn for to be a "noque inventor" 3) Ange data back up required. Scanned with CamScanner

How was the year 2018 for Indian Science Community Gr. Enumerate alleast 5 major achievements. discovery in Science & kanology and the is the most inpatant dimension to ad determine the progress of Nation. In India Majororety of Swence and rectuology measures are taken by Department og Scien & Fechnology Vannei d > CFX2 silk Ene has Acheviement -> Oneer TM > world's first tele Spare Cardiac surgery Nauch of Mysis, hasat & GSATE 19, Itc annen einent of reusable launch vehicles. Jag Depud Agni S-Missile (ICBH) developed. 1griculture drought resistant correctift of Wheat, cotton a nutlets developed by ICAROFCA2RI GM right like Bt builded, Bt - Hustord were tested Connect to Con