

# JAIN VISHVA BHARATI INSTITUTE, LADNUN

(DEEMED UNIVERSITY)

RET JULY - 2016

## PART – I LOGICAL REASONING AND APTITUDE TEST

DATE OF EXAMINATION :

ROLL NO. :

SIG. OF INVIGILATOR

TOTAL TIME (PART-I TO III) : 03 HOURS

MARKS : 50X2=100

NOTE :

1. All questions are compulsory and of objective type. / I हक्क ितु व्युक्ति; लोगों का ग्रन्थालय
2. All questions carry equal marks. / I हक्क ितु एक समान अंक देना है
3. Only one answer is to be given for each question. / एक प्रश्न के लिए एक ही उत्तर देना है
4. If more than one answer is marked, it would be treated as wrong answer. / यदि एक प्रश्न के लिए दो या दो से अधिक उत्तर दिये जाएं तो वह गलत उत्तर है।

1- fuEu eal s dk&I h ifj"kn dk fo?VU 2013 eaf; k x; k

Which one of the following Councils has been disbanded in 2013?

½ नियन्त्रक फॉर्म इफ्सन

Distance Education Council (DEC)

½ ज्ञानविभाग फॉर्म इफ्सन

National Council for Teacher Education (NCTE)

½ ज्ञानविभाग विद्या विकास बोर्ड

National Council of Educational Research and Training (NCERT)

½ ज्ञानविभाग शिक्षा विकास बोर्ड

National Assessment and Accreditation Council (NAAC)

¼      ½

2- 6, 4, 1, 2, 2, 8, 7, 4, 2, 1, 5, 3, 8, 6, 2, 2, 7, 1, 4, 1, 3, 5, 8, 6, बीजिंग के दूसरे तारीख का दिन क्या है ?  
Øec) 1 अगस्त तिथि का दिन क्या है ?

In this series: 6, 4, 1, 2, 2, 8, 7, 4, 2, 1, 5, 3, 8, 6, 2, 2, 7, 1, 4, 1, 3, 5, 8, 6, how many pairs of successive numbers have a difference of 2 each ?

½ 4

½ 5

½ 6

½ 8

¼      ½

3. , d 0; fDr dks I o o vke [kjhnusgA I o ifr ux #. 7 o vke ifr ux #. 5 gA ; fn ml ds i kl 38#i ; sgarksog fdrus I o [kjhn I drk gS

A person has to buy both apples and mangoes. The cost of one apple is Rs7/- whereas that of a mango is Rs.5/-. If the person has Rs.38, the number of apples he can buy is

$\frac{1}{4}\frac{1}{2}$  1                             $\frac{1}{4}\frac{1}{2}$  2

$\frac{1}{4}\frac{1}{2}$  3                             $\frac{1}{4}\frac{1}{2}$  4

$\frac{1}{4}$        $\frac{1}{2}$

4. vkrh o dkty vaxth cky o I e> I drh gA fcV] vpuk dh Hkkfir fgUnh fy[k o i <+ I drh gA vpuk] vkrh I s ckyh eackr djrh gA dkty dks ckyh I e> ugha vkrhA fcV] vkrh I s fgUnh eackr djrh gA og dks gS tks vaxth] fgUnh vksj ckyh cky o I e> I drk gS

Arti and Kajal can speak and follow English. Bitu can write and speak Hindi as Archana does. Archana talks with Arti also in Bengali. Kajal cannot follow Bengali. Bitu talks with Arti in Hindi. Who can speak and follow English, Hindi and Bengali?

$\frac{1}{4}\frac{1}{2}$  vpuk@Archana       $\frac{1}{4}\frac{1}{2}$  fcV]@Bitu

$\frac{1}{4}\frac{1}{2}$  vkrh@Arti       $\frac{1}{4}\frac{1}{2}$  dkty@Kajal

$\frac{1}{4}$        $\frac{1}{2}$

5. , d fuf'pr I ksfrcd Hkk"kk ea QUESTION 'kCh dks I dks ea DOMESTIC fy[kk tkrk gS rks bI I ksfrcd Hkk"kk ea RESPONSE dks D; k fy[kks]

In certain coding method, the word QUESTION is encoded as DOMESTIC. In this coding, what is the code word for the word RESPONSE?

$\frac{1}{4}\frac{1}{2}$  OMESUCEM       $\frac{1}{4}\frac{1}{2}$  OMESICSM

$\frac{1}{4}\frac{1}{2}$  OMESICEM       $\frac{1}{4}\frac{1}{2}$  OMESISCM

$\frac{1}{4}$        $\frac{1}{2}$

6. nh xbZ Jdkyk ea fJDr LFku ea l gh fodYi pu dj fy[kk

Choose the correct alternative in the given sequence 2, 7, 14, 23, .... , 47

$\frac{1}{4}\frac{1}{2}$  31       $\frac{1}{4}\frac{1}{2}$  28

$\frac{1}{4}\frac{1}{2}$  34       $\frac{1}{4}\frac{1}{2}$  38

$\frac{1}{4}$        $\frac{1}{2}$

7. , d 0; fDr 5 fd-eht ifr?k. Vs dh xfr I s 6 ?k. Vs o 4 fd-eht ifr?k. Vs dh xfr I s 12 ?k. Vs pyrk gA ml dh vksj r pky g&

A man walks at 5 km per hour for 6 hour and at 4 km per hour for 12 hours. His average speed is-

$\frac{1}{4}\frac{1}{2}$  4  $\frac{1}{3}$  fd-eht ifr ?k. Vks@4  $\frac{1}{3}$  km/hr

$\frac{1}{4}\frac{1}{2}$  7  $\frac{2}{3}$  fd-eht ifr ?k. Vks@7  $\frac{2}{3}$  km/hr

$\frac{1}{4}\frac{1}{2}$  9  $\frac{1}{2}$  fd-eht ifr ?k. Vks@9  $\frac{1}{2}$  km/hr

$\frac{1}{4}\frac{1}{2}$  8 fd-eht ifr ?k. Vks@8 km/hr

$\frac{1}{4}$        $\frac{1}{2}$

**8.** , d Vt, d fuf' pr njh 50 fefuV eijk djrh g; fn ; g Vt 48 fd-eh ifr?k. Vs dh xfr ls pyrh gsrks ml h njh dks 40 fefuV eijk djus ds fy, Vt dh xfr fdruh djuh gkxh

A train covers a distance in 50 minutes. If it runs at a speed of 48kmph on an average, the speed at which the train must run to reduce the time of journey to 40 minutes will be?

1/2 45 fd-eh ifr ?k. Vt@45 kmph

1/2 60 fd-eh ifr ?k. Vt@60 kmph

1/2 55 fd-eh ifr ?k. Vt@55 kmph

1/2 70 fd-eh ifr ?k. Vt@70 kmph

1/4 1/2

**9.** ; fn 9 0; fDr ifrfnu 6 ?k. Vs dk; l djsfdl h dk; l dks 88 fnu eijk djrs gsrks ml h dke dks 6 0; fDr ifrfnu 8 ?k. Vs dk; l djsfdrusfnu eijk djxh

If 9 men working 6 hours a day can do a work in 88 days. Then 6 men working 8 hours a day can do it in how many days?

1/2 89 fnu@89 days

1/2 90 fnu@90 days

1/2 85 fnu@85 days

1/2 99 fnu@99 days

1/4 1/2

**10.** orku ekuo l lku eky; dk dkh; eah dk g

Who is the present Union Minister of Human Resource Development?

1/2 Lefr bjuh@Smriti Irani

1/2 idk'k tkomdj@Prakash Javdekar

1/2 ekrkj vckl uDoh@Mukhtar Abbas Naqvi

1/2 eudk xdkh@Menaka Gandhi

1/4 1/2

**11.** Hkkjr dh dkul k i phu LFky UNESCO ds }jk gky gh efo'o fojkl r LFky ?kks"kr fd;k x;k g;

Which ancient site of India was recently declared as the UNESCO World Heritage site?

1/2 Hkkjr; ior jyo@Mountain Railways of India

1/2 xok ds ppz, oaeB@Churches & Convents of Goa

1/2 ukylnk egkfogkj @Nalanda Mahavihara

1/2 egkcks/k eflnj@Mahabodhi Temple

1/4 1/2

- 12- I qkhyk pkufdI [ky I Ecfl/kr gS@Sushila Chanu is associated with which sports?  
½ gkdh@Hockey      ½ jf fyak@Wrestling  
½ QVcky@Football      ½ f0dV@Cricket

¼    ½

- 13- Hxoku egkohj ds ekr&fi rk Fk&@Bhagwan Mahavir was born to-  
½ fl ) kFkZ vkg f='kyk@Siddhartha & Trisala  
½ fcJnd kjk vkg ; 'kknk@Bindusara & Yasoda  
½ 'kq knuk vkg ek; k@Suddhodana & Maya  
½ plnnno vkg I fe=k@Chandradev & Sumitra

¼    ½

- 14- Hxoku egkohj ..... tñ rFkldj Fk&@  
Bhagwan Mahavira was the ..... Jain Tirthankara

½ 22o@22<sup>nd</sup>      ½ 23o@23<sup>rd</sup>  
½ 24o@24<sup>th</sup>      ½ 25o@25<sup>th</sup>

¼    ½

- 15- jktLFku dñnb; fo' ofo | ky; fLFkr g&  
Central University of Rajasthan is located at-  
½ tkki j@Jodhpur  
½ fd'kux<@Kishangarh  
½ vtej@Ajmer  
½ t; ij@Jaipur

¼    ½

- 16- bl Jklyk dksnf[k, 8, 22, 8, 28, 8, ..... vxyl vd dkwl k vruk pkfg, A  
Look at this series: 8, 22, 8, 28, 8, ..... What number should come next?  
½ 29      ½ 32  
½ 34      ½ 09

¼    ½

- 17- vikl fixd ; k vi kFFkr l nsk bñjuV ij Hksts x; } fo'kskr%cgr cMs mi HkDrk l egn dk  
ml s dgk tkrk g&  
Irrelevant or unsolicited messages sent over the Internet, typically to large numbers  
of users is referred to as-  
½ ok; jI @virus  
½ Lee@spam  
½ oke@worm  
½ fQf' lk@phishing

¼    ½

- 18.** , d Compact Disc (R) i j MKVk fy [kus dh i fØ; k dks dgk tkrk g&  
 The process of writing data on a Compact Disc (R) is referred to as-  
 ½ digitizing  
 ½ zipping  
 ½ burning  
 ½ copying
- 1/4      ½
- 19.** vPNs f' k{k.k ds fy , vko'; d g&@What are required of good teaching-  
 (a) funku@Diagnosis (b) mi plj@Remedy (c) funlk@Direction (d) i frifV@Feedback  
 ½ a, b, c, & d                    ½ a & b  
 ½ b, c, & d                    ½ c & d
- 1/4      ½
- 20.** fuEu eal s dks l k okD; I g; kxRed vuq lku ds i l x eal gh ughagS  
 Which of the following statements is not true of Participatory Research?  
 ½ ; g Kku dks 'kfDr ds : i eaqgpkurk gS  
 It recognizes knowledge as power  
 ½ ; g fo'kxKkads : i eao; fDr; kaij ncko cukrk gS  
 It emphasizes on people as experts  
 ½ ; g 0; fDr; kads vki l h l g; kx l sgxrk gS  
 It is done with the involvement of people  
 ½ bl ey mís; Kku dk mRiknu gS  
 its sole purpose is production of knowledge
- 1/4      ½
- 21.** vuq lku ds usfrd ekun.M eafu; e 'kfey ughagks&  
 Ethical norms in research do not involve rules for-  
 ½ 'kxk&iclk dks ik: i nuk@Formatting of the thesis  
 ½ dkkhjkby@Copyright  
 ½ , dlf/kdkj ulfr@Patenting Policy  
 ½ vklM&folkktu ulfr@Data sharing policy
- 1/4      ½
- 22.** 210 fo | kfFkz kads , d I eq us , d VtV eahkx fy; kA ½ fo | kfFkz kadk ek/; 60 ik; k x; kA 'kx fo | kfFkz kadk ek/; 78 ik; k x; kA ml ijsI eq dk ek/; gksk&  
 A group of **210** students appeared in a test. The Mean of **1/3 rd** of students is found to be **60**. The mean of the remaining students is found to be **78**. The mean of the whole group would be-  
 ½ 90                            ½ 77  
 ½ 64                            ½ 72
- 1/4      ½

- 23.** Lo; a ds I kFk I pkj dks tkuk tkrk g&  
 Communication with oneself is known as-  
**½ 0; oLFkki u I EcflUkr I pkj**  
 Organisational Communication  
**½ vQokg I pkj**  
 Grapewine Communication  
**½ ikjLifjd I pkj**  
 Interpersonal Communication  
**½ vUrI LFkkfud I pkj**  
 Intrapersonal Communication

¼      ½

- 24.** dFku (a) : fI Dds dks tc vxyh ckj mNkyk tk; skk rks tails gh vk; skka  
 dkj .k (r) : D; kfd fI Dds dks 5 ckj , d gh I vk eamNkyk x; k Fkk vks gj ckj heads  
 gh vk; k Fkk  
**fuEu ea l gh mUkj dk p; u djka**  
 Assertion (a): The coin when flipped next time will come up tails.  
 Reason (r): Because the coin was flipped five times in a row, and each time it came up heads.  
 Choose the correct answer from below :  
**½ (a) o (r) nkuka l gh gS o (r), (a) dh I gh 0; k[ ; k gS**  
 Both (a) and (r) are true, and (r) is the correct explanation of (a)  
**½ (a) o (r) nkuka xyr gS o (r), (a) dh I gh 0; k[ ; k gS**  
 Both (a) and (r) are false, and (r) is the correct explanation of (a)  
**½ (a) I finX/k gS(r) I gh gS o (r), (a) dh I gh 0; k[ ; k ughagS**  
 (a) is doubtful, (r) is true, and (r) is not the correct explanation of (a)  
**½ -(a) I finX/k gS(r) xyr gS o (r), (a) dh I gh 0; k[ ; k gS**  
 (a) is doubtful, (r) is false, and (r) is the correct explanation of (a)

¼      ½

- 25.** fuEu ea l sdku l k vkykbz l kky usodz g&  
 Which of the following is an online social network?  
**½ fYi dkV@Flipkart**  
**½ bC@eBay**  
**½ jSMQey-dk@rediffmail.com**  
**½ gkbD@hike**

¼      ½

## PART – II

### RESEARCH METHODOLOGY AND COMPUTER APPLICATIONS

- 26- **vxeukRed rkfdld v/ ; u fof/k dh i kddYi uk@vk/kkj okD; fdI eagsI drk gS**  
Inductive logic studies the way in which a premise may?  
 A fu"d"l dks I eFku nuk o vko'; d cukuk

support and entail a conclusion

B fu"d"l dks I eFku uk nuk yfdu vko'; d cukuk

not support but entail a conclusion

C fu"d"l dks uk rks I eFku nuk uk gh vko'; d cukuk

neither support nor entail a Conclusion

D fcuk vko'; d cuk; s fu"d"l dks I eFku nuk

support a conclusion without entailing it

1/4      1/2

- 27- **fuEu eal sdkul h application vkdM& l kj .hdj.k o fo'y&k.k eai z kx dh tkrh gS**  
Which of the application can be used for data tabulation & analysis?

A , e-, l - oM@MS Word

B , e-, l - DI y@MS Excel

C , e-, l - i kbj i kUV@Ms Powerpoint

D buea l s dkbz ugh@None of these

1/4      1/2

- 28- **SPSS dk iwl : i g&@SPSS stands for-**  
 A Software Planning in Social Sciences  
 B Software Package for the Social Sciences  
 C Statistical Package for the Social Sciences  
 D None of these

1/4      1/2

- 29- **gk; i ksfkfI l dk D; k eryc gS@What does a Hypothesis mean?**  
 A ; g , d vfuf'pr l keW; hdj.k] ftI dks vHk i elf.kr fd; k tkuk gS

It is a tentative generalization that is yet to be proved

B ; g doy mu vuq ikkuka l s tM g} tks i kfkfed vkdM& i j vk/kkfjr gS

It is related to only those researches that are based on primary data

C ; g doy mu vuq ikkuka l s tM g} tks f}rh; d vkdM& i j vk/kkfjr gS

It is related to only those researches that are based on secondary data

D buea l s dkbz ugh@None of these

1/4      1/2

30-	<p>vo/kkj . lk&amp;tfur eki u g&amp;@Concept made measureable is-</p> <p>½ i fj Hkk"kk@Definition</p> <p>½ i fj orh j kf'k@Variable</p> <p>½ i rhd@Symbol</p> <p>½ buea I s dkblugh@None of these</p>	<span style="margin-right: 20px;"><math>\frac{1}{4}</math></span> <span><math>\frac{1}{2}</math></span>
31-	<p>Hkk"kk] i {ki kr dk , d xEHkj I ts gks I drk g&amp;</p> <p>Language can become a serious source of bias in-</p> <p>½ xqkkRed vud U/kku@Qualitative Research</p> <p>½ i kf[ ; d vud U/kku@Statistical Research</p> <p>½ xf.krh; vud U/kku@Mathematical Research</p> <p>½ buea I s dkblugh@None of these</p>	<span style="margin-right: 20px;"><math>\frac{1}{4}</math></span> <span><math>\frac{1}{2}</math></span>
32-	<p>I gl EcU/k dk xqkkd fuEu dse/; fLFkr gkrk g&amp;</p> <p>Coefficient of Correlation lies between-</p> <p>½ 0 to 1                           ½ -1 to 1</p> <p>½ -∞ to ∞                       ½ 0 to ∞</p>	<span style="margin-right: 20px;"><math>\frac{1}{4}</math></span> <span><math>\frac{1}{2}</math></span>
33-	<p>Open Ended Questions eI ; r% iz kx easy; s tkrs g&amp;</p> <p>Open Ended Questions are mostly used in-</p> <p>½ I dflhr I eqy ppl@Focus Group Discussions</p> <p>½ izukoyh@Questionnaires</p> <p>½ I k{KKRdkj @Interview Schedules</p> <p>½ buea I s dkblugh@None of these</p>	<span style="margin-right: 20px;"><math>\frac{1}{4}</math></span> <span><math>\frac{1}{2}</math></span>
34-	<p>MEd fjl plky[ku vud U/kku% fudV : i I s I Ec) g&amp;</p> <p>Desk research is more closely associated with-</p> <p>½ I oT.k. k vud ikku</p> <p>Survey Research</p> <p>½ /kfed v/; ; u</p> <p>Religious Studies</p> <p>½ ik; kfxd vud U/kku</p> <p>Experimental Research</p> <p>½ ushkfud v/; ; u</p> <p>Clinical Studies</p>	<span style="margin-right: 20px;"><math>\frac{1}{4}</math></span> <span><math>\frac{1}{2}</math></span>

- 35.** *i kfed vklMn'krs g* @Primary data denotes-  
*1/2 i kfed Lrj ds vkkj ij vklMk I dyu*  
 Data collected on first hand basis  
*1/2 rRdky vuq U/kku v/; u dsfy, vuq U/kudrkZ }jk vklMk I dyu*  
 Data Collected by the researcher for the current on hand research  
*1/2 vuqko fl ) <x I svklMk I dyu*  
 Empirically collected data  
*1/2 bues I s I Hkh* @All of the these
- 1/4 1/2*
- 36.** *ueuk ifr dk vuqj.k djuk rkfd* @Sampling is carried out so as to-  
*1/2 ykxr dks de djuk* @Minimize cost  
*1/2 I ayku I e; dk de djuk* @Minimize time involved  
*1/2 fØ; kdyki dsI jyhdj.k I sI quf'pr djuk* @Ensure ease of operations  
*1/2 bues I s I Hkh* @All the these
- 1/4 1/2*
- 37.** *foKku vklkfjr g* @Science is based on-  
*1/2 I gt Kku I Ecflkr vuq U/kku* @Intuitive research  
*1/2 nk'kud vuq U/kku* @Philosophical Research  
*1/2 irh; eku ds e/; dkj.k o iHko dsI EcIk dks I e>uk*  
 Understanding cause & effect relationships between phenomena  
*1/2 bues I s dksI ugh* @None of the above
- 1/4 1/2*
- 38.** *ueukdj.k e yWjh eSM dk iz kx gsrk g*  
 In sampling, the lottery method is used for-  
*1/2 Li "Vhdj.k dsfy, @Interpretation*  
*1/2 I Skfrddj.k dsfy, @Theorisation*  
*1/2 opkfjdrk dsfy, @Conceptualisation*  
*1/2 Øeghurk@vØehdj.k* @Randomisation
- 1/4 1/2*
- 39.** *fuEu es I sdk&I h , d vuq U/kku dh fo'ksrk ugh g*  
 Which of the following is NOT the characteristic of research?  
*1/2 vuq U/kku Øec) rk g* @Research is systematic  
*1/2 vuq U/kku , d i fØ; k ugh g* @Research is not a process  
*1/2 vuq U/kku I eL; k vklkfjr g* @Research is problem oriented  
*1/2 vuq U/kku deI kku ugh g* @Research is not passive
- 1/4 1/2*

40-	<p>, d l rkktud l k[; dh ifj. kkeRed izkkyh fuEu fo'krkvka efdl h , d dh ifO; k ughadjuh pkfg; &amp;</p> <p>A satisfactory statistical quantitative method should NOT possess one of the following qualities-</p> <p><input type="checkbox"/> ✓ appropriateness  <input type="checkbox"/> ✓ measureability  <input type="checkbox"/> ✓ ✓ comparability  <input type="checkbox"/> ✓ flexibility</p>	<span style="font-size: small;">✓✓</span> <span style="font-size: small;">✓</span>
41	<p>i trdao fyf[kr i ek.k] vkdMads ikfkfed l kr gks g&amp;</p> <p>Books and records are the primary sources of data in-</p> <p><input type="checkbox"/> ✓ , frgkfl d vuq llku@Historical Research  <input type="checkbox"/> ✓ l gHkfxrk vuq llku@Participatory Research  <input type="checkbox"/> ✓ ✓ ushkfud vuq llku@Clinical Research  <input type="checkbox"/> ✓ i z kx'kkyk vuq llku@Laboratory Research</p>	<span style="font-size: small;">✓✓</span> <span style="font-size: small;">✓</span>
42-	<p>fuEu eal s dks i "B eki u eadEl; wj 'kWzD V l s l Ecfl/k ughag&amp;</p> <p>Which is NOT related to page alignment in computer short-cuts-</p> <p><input type="checkbox"/> ✓ ctrl+E  <input type="checkbox"/> ✓ ctrl+L  <input type="checkbox"/> ✓ ✓ ctrl+F  <input type="checkbox"/> ✓✓ ctrl+R</p>	<span style="font-size: small;">✓✓</span> <span style="font-size: small;">✓</span>
43-	<p>NSSO , d l Fkk gS tks 0; ol k; @ifjopu vuq llku i z kx l s l Ecfl/k r g&amp;</p> <p>NSSO is an institution that is related with undertaking research using-</p> <p><input type="checkbox"/> ✓ tul {; k l dyu izkkyh@census survey methods  <input type="checkbox"/> ✓ ueuk izkkyh@sampling methods  <input type="checkbox"/> ✓ ✓ i z kx'kkyk vuq llku izkkyh@laboratory research methods  <input type="checkbox"/> ✓✓ ushkfud vuq llku@clinical research</p>	<span style="font-size: small;">✓✓</span> <span style="font-size: small;">✓</span>
44-	<p>fuEu eal sfdl vuq llku izkkyh ead[; r% Field Notes dke eauhafy; s tkr&amp;</p> <p>Field Notes are basically <b>NOT</b> used in which type of research-</p> <p><input type="checkbox"/> ✓ ifj. kke l Ecfl/k vuq llku@quantitative research  <input type="checkbox"/> ✓ ekuo'kkL=h; vuq llku@anthropological research  <input type="checkbox"/> ✓ ✓ xqkRed vuq llku@qualitative research  <input type="checkbox"/> ✓✓ 0; fDr bfrgkI fof/k@case studies</p>	<span style="font-size: small;">✓✓</span> <span style="font-size: small;">✓</span>

- 45- fdI usI kf[; dh dks vuqku v[& I Ekkoukvdk foKku ifjHkkf"kr fd; k g\$  
Who defined Statistics as the science of estimates and probabilities?  
½½ ck\$MaxVu@Bodington  
½½ ck\$by@Bowley  
½½ fQ'kj@Fisher  
½½ vxdky@Agrawal

¼ ½

- 46- opkfjd vuq U/kku esvupfed fl ) klr@I fØ; k&  
The sequential operations in scientific research are-  
½½ I fofo/krk] feF; k I cU/k dks fu"dkl u] I kekU; hdj .k] I \$ kfUrdj .k  
Co-variation, Elimination of Spurious Relations, Generalisation, Theorisation  
½½ I kekU; hdj .k] I fofo/krk] I \$ kfUrdj .k] feF; k I cU/k dk fu"dkl u]  
Generalisation, Co-variation, Theorisation, Elimination of Spurious Relations  
½½ I \$ kfUrdj .k] I kekU; hdj .k] feF; k I cU/k ak fu"dkl u] I fofo/krk  
Theorisation, Generalisation, Elimination of Spurious Relations, Co-variation  
½½ feF; k I cU/k dk fu"dkl u] I \$ kfUrdj .k] I kekU; hdj .k] I fofo/krk  
Elimination of Spurious Relations, Theorisation, Generalisation, Co-variation.

¼ ½

- 47- vuq U/kku dk eq[; mís; dkñl k g\$@Which is the main objective of research?  
½½ u; srF; k adh [kst ; k Kkr rF; k adk u; srjhds I sfo'y\$.k  
To discover new facts or to make fresh interpretation of known facts  
½½ Kkr dk I kfUrdj .k djuk  
To summarize what is already known  
½½ vdñfed fMxh i klr djuk  
To get an academic degree  
½½ I kfgR; dk i pjkoykdu  
To review the literature

¼ ½

- 48- Sampling error I s deh vkrh g\$@Sampling error decreases with the-  
½½ ueuk vldkj esdeh  
decrease in sample size  
½½ ueuk vldkj esof)  
increase in sample size  
½½ vØfedj .k dh ifØ; k  
process of randomization  
½½ fo'y\$.k dh ifØ; k  
process of analysis

¼ ½

**49.** fuEu ea ls dññl h nñs ifjorù'ky oLryw ds chp , d jññh; lñk dh rkdr dk eki u g&

Which of the following is a measure of the strength of a linear association between two variables-

t-test       Anova

Chi-Square Test       Pearson's Correlation

$\frac{1}{4}$        $\frac{1}{2}$

**50.** I lekftd foKku vud llkku ea ifjorù'kyrk dh fØ; k'kyrk dk eryc g&

'Operationalization of Variables' in social science research means-

ifjorù'kyrk dk I e>us dsfy , i ; llr I jyrk nuk

Making the variables simple enough to understand

ifjorù'kyrk dññs eki u ; llk ; cukuk

Making the variables measurable

ifjorù'kyrk dññs rkfdl Øe yxkuk

Arranging the variables in a logical order

ifjorù'kyrk dññs vud llkku ; llk ; cukuk

Making the variables fit for research

$\frac{1}{4}$        $\frac{1}{2}$

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