

**DO NOT OPEN THIS BOOKLET UNTIL TOLD TO DO SO**

इस पुस्तिका को आदेश मिलने पर ही खोलें

**Time Allowed: 90 Minutes**

vy,pr yp; : 90 fpyk  
120

**PAPER – I**

**Total No. of Questions : 120**

péyy`a dt d,y yaα;γ :

**Roll No. :**

vy,Øpyad : .....

**(Paper-I) OMR Answer Sheet No. :**

(j`jj-I) vY`.,p.vYj. vsYj jf7dY yaα;γ :  
.....

**Name of the Candidate (in capital letters) :**

vH;FyÊ dY YYP : .....

**Candidate's Signature**

vH;FyÊ d` gkry{Yj : .....

**Invigilator's Signature**

d{Y fyjt{Yd d` gkry{Yj :  
.....

POST CODE	NAME OF THE POST	SUBJECT
<b>A, B, F, G H and I</b>	JE Civil Engineering / JE Electrical Engineering/ AG-III (General)/ AG-III (Accounts) / AG- III (Technical) / AG-III (Depot)	General Aptitude Consisting of Reasoning, Data Analysis, English Language, Computer Proficiency, General Awareness, General Intelligence, Current Events, Numerical Ability, Data Interpretation.

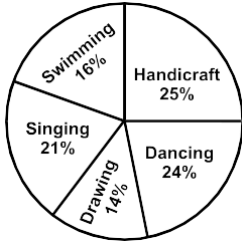
**IMPORTANT:- Read the following instructions carefully. Do not mark answers on the question booklet, otherwise you may be debarred from the selection process.**

1. Before commencing to answer, check that the Question Booklet has 120 questions. Each Question Booklet will be in different series (combination of question booklet number and series). You must **write correct Question Booklet Number and Question Booklet Series** on your OMR Answer Sheet. **Further check that there is no misprinting, overprinting and/or any other shortcoming in it.** If there is any shortcoming in the question booklet, intimate the same to your room invigilator and take a **fresh question booklet and a fresh OMR sheet. No complaint in this regard shall be entertained at any later stage.**  
**IMPORTANT NOTE:** The OMR Answer Sheet will be evaluated **with a combination of question booklet series and question booklet number** hence you must write correct question booklet series and question booklet number. Any mistake in filling any of them will lead to invalidation of your OMR Answer Sheet. Also in case of non filling of question booklet series and question booklet number the OMR Answer Sheet will not be evaluated and its sole responsibility lies on the candidate.
2. Question paper is bilingual (Hindi/English). In case of any variation in Hindi version, English version will be taken as final for evaluation purposes.
3. **Ensure that your admit card and OMR sheet is signed by you and the invigilator. If the same is not signed, your candidature is liable to be rejected.**
4. All Multiple Choice Questions carry 1 mark. No Mark will be awarded or deducted for not attempting a question. Darken **ONLY ONE OVAL** for each answer. If you darken more than one oval or any stray mark is found on more than one oval, no mark will be awarded for that oval.
5. This is an objective type test in which each objective question is followed by four responses serialised (1) to (4). Your task is to choose the correct/best response and mark your response **in the OMR Answer Sheet only as per the instructions given and NOT in the Question Booklet.**
6. **Use Blue/Black Ball Point Pen** for all your work on the OMR Answer Sheet. The ovals on the OMR Answer Sheet are to be completely filled by **Blue/Black Ball Point Pen only. ANSWERS ONCE GIVEN CAN NOT BE CHANGED. Cutting/overwriting the answers are not allowed.**
7. Use of Calculators, Slide rules, Mobiles, calculator watches or any such devices and any other study/reference material is **NOT** allowed inside the examination hall and prohibited. If found carrying, it shall be punishable offence.
8. Rough Work is to be done in the blank space provided in the Question Booklet, **not on the OMR Answer Sheet.** No other paper will be allowed/provided for rough work.
9. Handover OMR Answer Sheet to the invigilator on completion of the test. Do not take OMR Answer Sheet outside the examination room. **Doing so is a punishable offence. The candidate can retain question paper after exam is over.**

fgUnt p`a vyn`èy vfUrp j`e< (Back cover) jj fn;Y y;Y g“j

DIRECTIONS: (Question No. 1 to 5) Study the pie chart carefully to answer the following questions.

Percentage of students enrolled in different activities in a school.  
Total number of students = 3000.



Percentage break up of girls enrolled in these activities out of total students.

Total number of Girls = 1750



1. What is the approximate (best) percentage of boys in the School?

- (1) 42% (2) 28%  
(3) 34% (4) 50%

2. How many boys are enrolled in singing and handicraft together?

- (1) 485 (2) 505  
(3) 420 (4) None of these

3. What is the total number of girls enrolled in swimming and drawing together?

- (1) 505 (2) 515  
(3) 525 (4) None of these

4. The number of girls enrolled in dancing form what percentage of the total number of students in the school? (round off to two digit)

- (1) 11.67% (2) 14.12%  
(3) 9.32% (4) None of these

5. What is the ratio of the number of girls enrolled in swimming to the number of boys enrolled in swimming?

- (1) 59:49 (2) 49:47  
(3) 23:29 (4) None of these

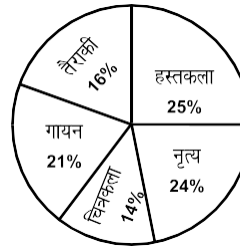
6. To move to the bottom of a document, you press:

- (1) Ctrl + End key (2) Ctrl + Home key  
(3) Home key (4) End key

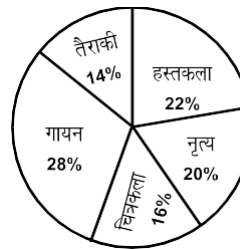
7. Name the fourth layer of OSI Model:

funsZèk ¼çèu laa;k 1 ls 5½ fuEufyfakr çèuksa dk mÙk nsus ds fy;s ikbZ pkvZ dk v/; ;u djsaA

Ldwy ds fofHké fØ;kdykiksa esa Hkkx ysus okys iathÑr fopkfFkZ;ksa dk çfrèkr fopkfFkZ;ksa dh dqy laa;k = 3000.



dqy fopkfFkZ;ksa esa ls bu xfrfof/k;ksa esa Hkkx ysus okyh iathÑr yM+fd;ksa dk çfrèkr czsdvi yM+fd;ksa dh dqy laa;k = 1750.



1. Ldwy esa yM+dksa dk yxHkx ¼loZJs'B½ çfrèkr D;k gS\

- (1) 42% (2) 28%  
(3) 34% (4) 50%

2. xk;u ,oa gLrdyk esa ,d lkFk iathÑr yM+dksa dh laa;k D;k gS\

- (1) 485 (2) 505  
(3) 420 (4) buesa ls dksbZ ugha

3. rSjkdh ,oa fp7dyk esa ,d lkFk iathÑr gksus okyh yM+fd;ksa dh dqy laa;k D;k gS\

- (1) 505 (2) 515  
(3) 525 (4) buesa ls dksbZ ugha

- (1) Application layer (2) Data link layer  
(3) Transport layer (4) Session layer

4. Ldwy ds dqy fopkfFkZ;ksa dh laα;k dk fdruk çfrèkr u`R; esa iathÑr yM+fd;ksa dh laα;k gS\ ¼nékeyo ds nks vadksa rd½
- (1) 11.67% (2) 14.12%  
 (3) 9.32% (4) buesa ls dksbZ ugha
5. rSjkdh esa yM+fd;ksa dh iathÑr laα;k ls rSjkdh esa yM+dksa dh iathÑr laα;k dk vuqikr D;k gS\
- (1) 59:49 (2) 49:47  
 (3) 23:29 (4) buesa ls dksbZ ugha
6. ,d nLrkost ds ry esa tkus ds fy;sj vki çsl djsaxs:
- (1) Ctrl + End key (2) Ctrl + Home key  
 (3) Home key (4) End key
7. osi ekWMy ds pkSFks ijr dk uke D;k gS:
- (1) vuqç;ksx ijr (2) MkVk fyad ijr  
 (3) V<sup>a</sup>kUliksVZ ijr (4) Islu ijr

DIRECTIONS: In the following question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer as.

- A. If the data in the statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- B. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C. If the data either in statement I alone or in statement II alone are sufficient to answer question.
- D. If the data in both statement I and II even together are not sufficient to answer the question.
- E. If the data in both statements together are necessary to answer the question.

**8. What is the average weight of 30 students in a class**

- I. If the weight of teacher's included the average weight is 20 kg.
- II. If the weight of teacher is not included, the total weight is 720 kgs.

- (1) A (2) **B**
- (3) C (4) E

**9. In a group of 15, 7 studied German, 8 have studied French and 3 have not studied either. How many of these have studied both German & French?**

- (1) 0 (2) **3**
- (3) 4 (4) 5

**10. The fundamental duties of the Indian citizens were laid down by which of the following amendments to the constitution of India?**

- (1) 40<sup>th</sup> amendment (2) 41<sup>st</sup> amendment
- (3) **42<sup>nd</sup> amendment** (4) 43<sup>rd</sup> amendment

**11. The memory of a computer is commonly expressed in terms of Kilobytes or Megabytes. A byte is made up of:**

- (1) Eight decimal digits (2) **Eight binary digits**
- (3) Two binary digits (4) Two decimal digits

**12. Dongri is the language spoken in:**

- (1) Assam (2) Bihar
- (3) **Jammu & Kashmir** (4) Andaman & Nicobar

**13. In a work sheet in MS Excel, what is the shortcut key to hide entire row?**

- (1) Ctrl + 2 (2) **Ctrl + 9**
- (3) Ctrl + N (4) Ctrl + R

**14. The maintenance charges for 35 residents for 24 days is ` 6,300. In how many days will the maintenance charges be ` 3,375 for 25 residents?**

- (1) 17 (2) 21
- (3) **18** (4) None of these

funsZèk: fn;s x, çèu ds uhps ,d çèu ,oa nks dFku I ,oa II fn;k x;k gSA vkiidks ;g fuokZ; ysuk gS fd dFku esa fn;s vkjM+s çèu ds mUkj ds fy, i;kZlr gSA

nksuksa dFkuksa dks i<+s ,oa bl çdkj mUkj nsaA

- A. ;fn dFku I esa fn;k x;k vkjM+k vdsys çèu dk mUkj nsus ds fy;s i;kZlr gS tcfD dFku II esa fn;k vkjM+k vdsys mUkj nsus ds fy;s i;kZlr ugha gSA
- B. ;fn dFku II esa fn;k x;k vkjM+k vdsys çèu dk mUkj nsus ds fy;s i;kZlr gS ysfdu dFku I esa fn;k vkjM+k vdsys mUkj nsus ds fy;s i;kZlr ugha gSA
- C. ;fn ;k rks dFku I esa vdsys ;k dFku II esa vdsys fn;k x;k vkjM+k çèu dk mUkj nsus ds fy;s i;kZlr gSA
- D. ;fn dFku I rFkk II nksuksa esa feykDj fn;s x, vkM+s çèu dk mUkj nsus ds fy;s i;kZlr ugha gSA
- E. ;fn nksuksa dFkuksa fn;s x, vkjM+s çèu dk mUkj nsus ds fy;s vkoè;d gSA

**8. d{kk esa 30 fopkFkZ;ksa dk vkSlr Hkkj D;k gS\**

- I. ;fn fèk{kd dk Hkkj lFEefyr fd;k tkrk gS rks vkSlr Hkkj 20 fdxz. gksxkA
- II. ;fn fèk{kd dk Hkkj lFEefyr ugha fd;k tkrk gS rks dqy Hkkj 720 fdxz. gSA

- (1) A (2) B
- (3) C (4) E

**9. 15 yksxksa ds ,d leqnk; esa] 7 teZu dk v/;;u djrs gSA] 8 YsUp dk v/;;u djrs gSA ,oa 3 buesa ls dksbZ Hkh v/;;u ugha fd;k gSA buesa ls fdruk us teZu vkSj YsUp nksuksa dk v/;;u fd;k\**

- (1) 0 (2) 3
- (3) 4 (4) 5

**10. Hkkjrh; lafo/kku ds fdI laèkks/ku ds }kjk Hkkjrh; ukxfjDks ds fy;s ekSfyd drZO;ksa dks jakk x;k:**

- (1) 400k; laèkks/ku (2) 410k; laèkks/ku
- (3) 420k; laèkks/ku (4) 430k; laèkks/ku

**11. dal;wVj dh eseksjh vkerkSj ij fdyksckbVksa vFkok esxkckbVksa ds vi esa O;Dr dh tkrh gSA ,d ckbV fuEu ls cuh gksrh gS:**

- (1) vkB nèkeyo vad (2) vkB f}vk/kkjh vad
- (3) nks f}vk/kkjh vad (4) nks nèkfed vad

**12. Mksaxjh Hkk'kk fuEu jkT; esa cksyh tkrh gS:**

- (1) vle (2) fcgkj
- (3) tEew rFkk déehj (4) vaMeku vkSj fudksckj

**13. ,e.,l. ,Dlsv ¼MS Excel½ dh odZèkhV esa lEiwokZ drkj dks Nqikus ds fy;s èkkWVZ dh D;k gS**

- (1) Ctrl + 2 (2) Ctrl + 9
- (3) Ctrl + N (4) Ctrl + R

**14. 35 fuokfl;ksa dk 24 fnuksa ds fy;s jak-jakko ykxr ` 6,300**

gSA

25 fuokfl;ksa ds fy;s ` 3,375 dh jak-jakko ykxr  
fdrus fnuksa ds fy;s gksxh\

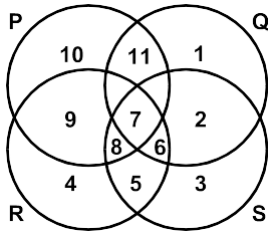
(1) 17

(2) 21

(3) 18

(4) buesa ls dksbZ ugha

15. In the below figure, circle P represents hardworking people, circle Q represents intelligent people, circle R represents truthful people, and circle S represents honest people. Which region represents the people who are intelligent, honest and truthful but not hardworking:



- (1) 6 (2) 7  
(3) 8 (4) 11

16. 'IC chips' for computers are usually made of:

- (1) Chromium (2) Silicon  
(3) Lead (4) Copper

17. By selling 33 metres of cloth, a shopkeeper gains the price of 11 metres of cloth. His gain percent is:

- (1) 45% (2) 40%  
(3) 50% (4) None of these

18. The average age of a group of workers changes from 32 to 35 years if an old worker is replaced by a new worker. How many workers are there in the group if the new worker is 12 years younger than the older one?

- (1) 5 (2) 4  
(3) 6 (4) 7

19. The present ages of Amit and Sumit are in the ratio of 1:2. Four years later, their ages will be in the ratio of 7:13. What is their present ages?

- (1) 16 years and 32 years (2) 24 years and 48 years  
(3) 18 years and 36 years (4) None of these

20. ASSERTION (A):- The President of India can issue a proclamation of emergency under Article 352(1) of Constitution on the advice of the Prime Minister.

REASON (R):- Where a proclamation of emergency is in operation, the President may suspend the operation of all fundamental rights except Article 20 & 21 of Constitution.

- (1) Both A and R are true and R is correct explanation of A  
(2) Both A and R are true but R is not correct explanation of A  
(3) A is true but R is false  
(4) A is false but R is true

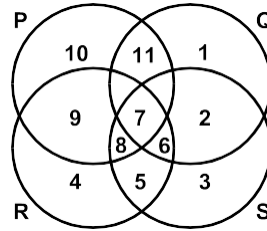
DIRECTIONS: In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

21. AGMSY, CIOUA, EKQWC, \_\_\_\_\_, IOUAG, KQWCI.

- (1) GNTYE (2) GLRYE  
(3) GMSYE (4) GMTXE

15. fuEufyafkr fp7 esa o`Ük P ifjJeh O;fä;ksa dks nëkkZrk gS] o`Ük Q

cqf)eku O;fä;ksa dks nëkkZrk gS] o`Ük R IPps O;fä;ksa dks nëkkZrk gS ,oa o`Ük s bZekunkj O;fä;ksa dks nëkkZrk gSA dkSu-lk {ks7 mu O;fä;ksa dk nëkkZrk gS tks cqf)eku] bZekunkj ,oa IPps gSa ijUrq ifjJeh ugha gSa:



- (1) 6 (2) 7  
(3) 8 (4) 11

16. de-l;wVj dk ^vkbZ.lh. fpi\* ¼IC chips½ lkekU;r: fdldk cuk gksrk gS:

- (1) Øksfe;e (2) flfydkWu  
(3) lhk (4) rkez

17. 33 ehVj diM+s dks cspdj ,d foØsrk 11 ehVj diM+s dh dher ykHk ds vi esa ikrk gSA mldk ykHk çfrèkr gS:

- (1) 45% (2) 40%  
(3) 50% (4) buesa ls dksbZ ugha

18. ;fn ,d iqjkus deZpkjh dks ,d u;s deZpkjh ls cny fn;k tk;s rks deZpkjh;ksa ds leqnk; dh vkSlr vk;q 32 ls 35 o`kZ gks tkrh gSA leqnk; esa fdrus deZpkjh gSa ;fn u;k deZpkjh iqjkus deZpkjh ls 12 o`kZ NksVk gS\

- (1) 5 (2) 4  
(3) 6 (4) 7

19. vfer ,oa lqfer dh orZeku vk;q dk vuqikr 1:2 gSA pkj o`kZ iepkr~ mudh vk;q dk vuqikr 7:13 gksxkA mudh orZeku vk;q D;k gS\

- (1) 16 o`kZ ,oa 32 o`kZ (2) 24 o`kZ ,oa 48 o`kZ  
(3) 18 o`kZ ,oa 36 o`kZ (4) buesa ls dksbZ ugha

20. n`<+ksfDr ¼A½: Hkkjr ds jk'V^aifr] iz/kkuea7h dh lykg ij lafo/kku ds vuqPNsn 352(1) ds v/khu vkikrdky mn~?kksfkr dj ldrs gSaA

rdZ ¼R½: tc vkikrdky dh mn~?kks'kokk igys ls lfØ; gksj jk'V^aifr lafo/kku ds vuqPNsn 20 vkSj 21 dks NksM+dj lHkh ewy vf/kdkjksa dk izpkyu fuyafcr dj ldrs gSaA

- (1) A rFkk R – nksuksa lgh gS vkSj R] A dk lgh Li'Vhdjok gS  
(2) A rFkk R nksuksa lgh gS ysfdu R] A dk lgh Li'Vhdjok ugha gS  
(3) A lgh gS ysfdu R feF;k gS  
(4) A feF;k gS ysfdu R lgh gS

funsZék: fuEufyfakr çéu esa ,d Jsokh esa ,d in foyqlr  
gSA fn;s x, fodYiksa esa ls lgh fodYi pqusa tks Jsokh  
dks iwjk djrk gSA

21. **AGMSY, CIOUA, EKQWC, \_\_\_\_\_, IOUAG, KQWCI.**

- (1) GNTYE
- (3) GMSYE

- (2) GLRYE
- (4) GMTXE





(1)

(2)

(3)

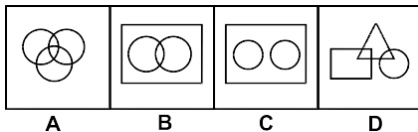
(4)

DIRECTIONS: A survey on a sample of 25 new cars being sold at a local auto dealer was conducted to see three popular options—air conditioning, radio and power windows—which were already installed. The survey found that 15 had air conditioning, 2 had air conditioning and power windows but no radios, 12 had radio, 6 had air conditioning and radio but no power windows, 11 had power windows, 4 had radio and power windows, 3 had all three options.

28. What is the number of cars that had none of the options?

- (1) 3 (2) 2  
 (3) 4 (4) None of these

29. Which of the following represents the statement that some of the psychologists are philosophers. Some philosophers are writers. But no psychologist is a writer.



- (1) B (2) A (3) D (4) C

30. Arrange the following rational members in ascending order:

$$\frac{-7}{10}, \frac{5}{-8}, \frac{2}{-3}$$

- (1)  $\frac{2}{-3} < \frac{5}{-8} < \frac{-7}{10}$  (2)  $\frac{5}{-8} < \frac{2}{-3} < \frac{-7}{10}$   
 (3)  $\frac{-7}{10} < \frac{2}{-3} < \frac{5}{-8}$  (4)  $\frac{-7}{10} < \frac{5}{-8} < \frac{2}{-3}$

31. My office is to the east of the bus stand and while my residence is to the south of the bus stand. The market is to the north of my office. If the distance of the market from my office is the same as the distance from my residence to the bus stand, then in which direction is the market with respect to the bus stand?

- (1) North (2) South-West  
 (3) North-East (4) South

32. If 'SPARK' is coded as TQBSL, what will be the code for 'FLAME'?

- (1) GNAMF (2) GMBNO  
 (3) GMBNF (4) GMCMF

33. Find the odd one out from the given alternatives.

- (1) Microbe (2) Microfilm  
 (3) Microphone (4) Microscope

34. The average temperature of a town in the first four days of a month was 58°C. The average temperature for second, third, fourth and fifth days was 60°C. If temperature on the first and fifth days was in the ratio 7:8, then what was the temperature on the fifth day?

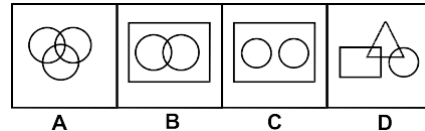
- (1) 64°C (2) 62°C

funsZék: LFkkuh; vkWVks foØsrk ds }kjk 25 u;h dkjksa ds çfrnékZ ij ,d losZ yksdfç; fodYiksa dks nsakus ds fy;s djok;k x;k- ;,jdaFMékfuax] jsfM;ks ,oa ikWoj foUMkst-tks fd igys ls gh LFkKfir FksA losZ ls irk pyk fd 15 esa ;,jdaFMékfuax Fkk] 2 esa ;,jdaFMékfuax ,oa ikWoj foUMkst Fks ysfdu dksbZ jsfM;ks ugha Fkk] 12 esa jsfM;ks Fks] 6 esa ;,jdaFMékfuax ,oa jsfM;ks Fkk ysfdu ikWoj foUMks ugha Fkk] 11 esa ikWoj foUMkst Fks] 4 esa jsfM;ks ,oa ikWoj foUMkst Fks] 3 esa lHkh rhuksa fodYi FksA

28. dkjks dh fdruh laa;k Fkh ftlesa dksbZ Hkh fodYi ugha Fkk]

- (1) 3 (2) 2  
 (3) 4 (4) buesa ls dksbZ ugha

29. fuEufyfakr esa ls dkSu-ik bl dFku dks çnfékZr djrk gS fd dqN euksoSKkfud nkékZfud gSaA dqN nkékZfud ysakd gSaA ysfdu dksbZ Hkh euksoSKkfud ysakd ugha gS:



- (1) B (2) A  
 (3) D (4) C

30. fuEufyfakr pj laa;kvksa dks vkjksgh Øe esa O;ofLFkr djsa:

$$\frac{-7}{10}, \frac{5}{-8}, \frac{2}{-3}$$

- (1)  $\frac{2}{-3} < \frac{5}{-8} < \frac{-7}{10}$  (2)  $\frac{5}{-8} < \frac{2}{-3} < \frac{-7}{10}$   
 (3)  $\frac{-7}{10} < \frac{2}{-3} < \frac{5}{-8}$  (4)  $\frac{-7}{10} < \frac{5}{-8} < \frac{2}{-3}$   
 (3) 56°C (4) None of these

31. esjk dk;kZy; cl LVSaM ds iwjc dh rjQ gS tc fd  
 esjk ?kj cl LVSaM ls nf{kok dh rjQ gSA ckt+kj  
 esjs dk;kZy; ds mÜkj dh vksj gSA ;fn esjs  
 dk;kZy; ls ckt+kj dh nwjh mruh gh gS ftruh cl  
 LVSaM ls esjs  
 ?kj dh nwjh rks cl LVSaM ds lanHkZ esa cktkj dh nwjh fdl  
 fnèkk esa gS:

- (1) mÜkj (2) nf{kok–ifèpe  
 (3) mÜkj–iwjc (4) nf{kok

32. ;fn ^SPARK\* dks ^TQBSL\* dksM fd;k tkrk gS]  
 rks ^FLAME\* dks D;k dksM djsaxs\

- (1) GNAMF (2) GMBNO  
 (3) GMBNF (4) GMCMF

33. fn;s x, fodYiksa esa fo'ke dks igpkusaA

- (1) Microbe (2) Microfilm  
 (3) Microphone (4) Microscope

34. ,d dLcs dk vkSlr rkiØe eghus ds igys pkj  
 fnuksa esa 58°C FkkA vkSlr rkiØe nwljs] rhls]  
 pkSFks ,oa ikapos fnu ds fy;s 60°C FkkA  
 ;fn çFke ,oa ikapos fnu ds rkiØe dk vuqikr  
 7:8 Fkk] rks ikapos fnu rkiØe D;k Fkk\

- (1) 64°C (2) 62°C  
 (3) 56°C (4) buesa ls dksbZ ugha

35. Total salary of three persons A, B and C are ` 1,44,000. They spend 80%, 85% and 75% respectively. If their savings are in the ratio 8:9:20, find C's salary:

- (1) ` 48,000 (2) ` 64,000  
 (3) ` 40,000 (4) ` 32,000

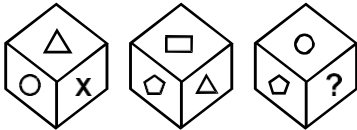
36. An ISP:

- (1) Provides access to the internet  
 (2) Is a CPU register  
 (3) Is a CPU functional unit  
 (4) Make of processor

37. FTP is:

- (1) Used to send email  
 (2) Used to browse the Web  
 (3) Is part of Netscape  
 (4) Is a protocol for the transfer of files between computers

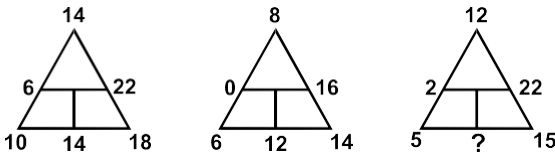
38. Three views of the same cube are shown below.



The figure on the face opposite the triangle is:

- (1) Pentagon (2) Circle  
 (3) Question mark (4) Rectangle

39. Find the missing number in place of question mark?



- (1) 10 (2) 8  
 (3) 12 (4) 14

40. One of the pioneering robots, that went missing into space almost a decade ago, has been recently found on the surface of red planet. Name it:

- (1) Beagle 2  
 (2) Mars-2 Prop-M. Rover  
 (3) Mars Rover  
 (4) Spirit (MER-A)

41. New Horizons became the first space probe to reach closest to Pluto recently. This is a mission by:

- (1) ISRO (2) ESA  
 (3) NASA (4) FKA & RKA

42. A GUI is:

- (1) Hardware  
 (2) Language interpreter  
 (3) Software interface  
 (4) An operating system

35. rhu O;fä A, B ,oa c dk dqy osru ` 1,44,000 gSA os Øeék: 80%, 85% ,oa 75% O;; djrs gSaA ;fn muds cpr dk vuqikr 8:9:20 gS] rks c dk osru Kkr djsa:

- (1) ` 48,000 (2) ` 64,000  
 (3) ` 40,000 (4) ` 32,000

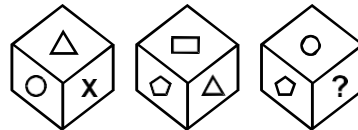
36. ,d ISP:

- (1) bUVjusV ij vfHkxe çnku djkrk gS  
 (2) ,d CPU iath gS  
 (3) ,d CPU dk;kZRed bdkbZ gS  
 (4) çkslsj dk esd gS

37. FTP:

- (1) bZ-esy Hkstus ds fy, ç;qä gsrk gS  
 (2) osc ist nsakus ds fy, ç;qä gsrk gS  
 (3) usVLdsi dk ,d fgLlk gS  
 (4) dEl;wVj ds e/; QkbZyksa ds gLrkajok ds fy, ,d çksVksdkWy gS

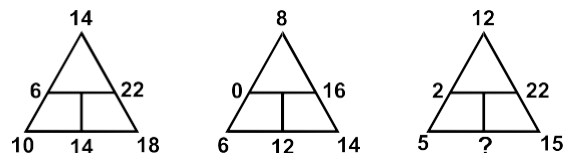
38. ,d gh ?ku ds rhu n`è; uhps nëkkZ, x, gSaA



f7Hkqt ds foijhr rjQ okyk fp7 D;k gS:

- (1) iapHkqt (2) o`Ük  
 (3) çëuokpd fpUg~ (4) vk;rkdkj

39. çëuokpd fpUg~ ds LFKku ij foyqIr laa;k crk,a\



- (1) 10 (2) 8  
 (3) 12 (4) 14

40. çFke iFkçnekZd jkscksV tks fd ,d nëkd iwoZ vUrj{k esa akks x;k Fkk] vHkh gky gh esa yky xzg ds lrg ij ik;k x;kA bldk uke crk,a:

- (1) Beagle 2  
 (2) Mars-2 Prop-M. Rover  
 (3) Mars Rover  
 (4) Spirit (MER-A)

41. New Horizons lywVks ds fudV igq;pus okyk igyk varfj{k çksc ;ku cuka ;g feëku fdlk gS:

- (1) ISRO (2) ESA  
 (3) NASA (4) FKA ,oa RKA

42. GUI gS:

- (1) ,d gkMZos;j  
 (2) Hkkek nqHkktek;k  
 (3) lkW¶Vos;j bUVjQsl  
 (4) ,d çpkyu ra7

DIRECTIONS: A cube of side four inch is painted red, blue and black on the pairs of opposite faces. It is then cut into smaller cubes of side one inch each.

43. How many cubes have one face red and one blue (the other faces may be painted or unpainted):

- (1) 16 (2) 8  
(3) 4 (4) 0

44. Pick the odd one out.

- (1) Z3W (2) Z5W  
(3) Z7W (4) Z9W

45. The appropriate writ issued by the Court to quash the appointment of a person to a public office is that of:

- (1) Certiorari  
(2) Prohibition  
(3) Quo Warranto  
(4) Mandamus

46. Gross National Product (GNP) of a country is sum of the market value of all goods and services produced in a year:

- (1) Plus export Earnings  
(2) Plus Market value of imports  
(3) Minus foreign aid  
(4) Plus net income from abroad

47. The sum of two number is 2490. If 6.5% of one number is equal to 8.5% of the other, the numbers are:

- (1) 1411 and 1079  
(2) 1410 and 1080  
(3) 1441 and 1049  
(4) 1214 and 1276

48. A small aeroplane can travel at 320 km/hr in still air. The wind is blowing at a constant speed of 40 km/hr. The total time for a journey against the wind is 135 minutes. What will be time, in minutes for the return journey with the wind? (ignore take off and landing time for the aeroplane)

- (1) 94.5 (2) 105  
(3) 108.125 (4) 120

49. Multitasking refers to:

- (1) Having several programs in RAM at the same time  
(2) The ability to run 2 or more programs concurrently  
(3) Writing programs in multiple languages  
(4) None of these

50. Point out the incorrect statement

To qualify for the membership of Rajya Sabha, one has to.

- (1) Be a citizen of India  
(2) Be at least 30 years of age  
(3) Fulfils the qualifications of becoming a member of parliament  
(4) Be a voter in any Lok Sabha constituency of India

funsZék: ,d 4 bap okys ?ku ds izR;sd fljs yky] uhys] o dkys jax ds tksM+s esa muds foijhr fljksa dks jaxk x;k gSA bls ckn bls izR;sd ,d bap okys NksVs ?kuksa esa dkV/k x;k gSA

43. fdrus ?kuksa dk ,d fljk yky ,oa ,d uhyk gSA  $\frac{1}{4}$ nwljs fljs jaxs gq,  
;k fcuk jaxs gq, gks ldrs gSa $\frac{1}{2}$ :

- (1) 16 (2) 8  
(3) 4 (4) 0

44. vlaxr dks pqusaA

- (1) Z3W (2) Z5W  
(3) Z7W (4) Z9W

45. fdlh yksd—in ij fdlh O;fDr dh fu;qfDr fujLr djus ds fy, U;k;ky; }kjk tkjh dh tkus okyh leqfpr ;kfpdk fuEu dh gksrh gS:

- (1) mRizs'kok ysak  
(2) fu'ks/kkKk  
(3) vf/kdkj i`PNk  
(4) ijeknsék

46. ,d nsék dk ldy jk'V<sup>ah</sup>; mRikn o'lz esa mRikfnr lHkh oLrqvksa ,oa lsokvksa dk ckt+kj ewY; ,oa .... dk ;ksx gS:

- (1) fu;kZr vk;  
(2) vk;kr dh ckt+kjh ewY;  
(3) fonsékH vuqeku ?kVkdj  
(4) fonsékksa ls fucy vk;

47. nks laa;kvksa dk ;ksx 2490 gSA ;fn ,d laa;k dk 6.5% nwljh laa;k ds 8.5% ds cjkckj gS] rks laa;k,a gSa:

- (1) 1411 ,oa 1079  
(2) 1410 ,oa 1080  
(3) 1441 ,oa 1049  
(4) 1214 ,oa 1276

48. ,d NksVk gokbZtgkt 320 fdeh.@?kaVk ls vdh gok esa ;k7k djrk gSA gok 40 fdeh.@?kaVk dh pky ls lrr~ vi ls cg jgh gSA ;k7k dk dqy le; gok ds foijhr pyus ij 135 feuV yxrs gSaA ykSVus esa gok ds lkFk fdruk le; yxsxk  $\frac{1}{4}$ feuV esa $\frac{1}{2}$   $\frac{1}{4}$ mM+us vkSj mrjus dk le; NksM+dj $\frac{1}{2}$

- (1) 94.5 (2) 105  
(3) 108.125 (4) 120

49. eYVhVkfLdax lanfHkZr djrk gS:

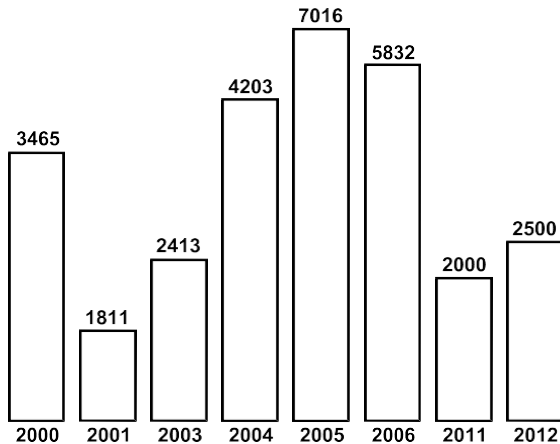
- (1) ,d gh le; esa jSe esa dbZ çksxzkeksa dk gksuk  
(2) 2 ;k T;knk çksxzkeksa dks lkFk–lkFk pykus dh lkEF;Zrk  
(3) dbZ Hkkekkvksa esa çksxzke dk ysaku  
(4) buesa ls dksbZ ugha

50. vIR; dFku dks igpkus

jkT; lHkk dh InL;rk çklr djus ds fy, fuEu fyfakr dk gksuk vkoë;d gSA

- (1) mls Hkkjr dk ukxfjd gksuk pkfg,
- (2) 30 o'kZ dh vk;q de ls de gksuh pkfg,
- (3) laln lnL; cuus ds fy, lHkh vgzrkvksa dks iwjk djuk pkfg,
- (4) Hkkjr ds fdlh yksd lHkk {ks7 ls ernkrk gksuk pkfg,

DIRECTIONS: (Question No. 51 to 55) These question are to be answered on the basis of bar chart given below giving the rice imports (in thousand tonnes) for the year 2000 to 2012.



51. In which year did imports register highest increase over its preceding year?

- (1) 2012  
 (2) 2005  
 (3) 2004  
 (4) 2003

52. The imports in 2006 were approximately how many times to that of 2001?

- (1) 3.22  
 (2) 2.41  
 (3) 1.68  
 (4) 0.31

53. What is the ratio of the years which have above average imports to those which have below average imports?

- (1) 3:8  
 (2) 8:3

54. The increase in imports in 2012 was what percent of imports in 2011?

- (1) 80  
 (2) 5  
 (3) 125  
 (4) 25

55. The import in 2004 are approximately what percent of average imports for the given years?

- (1) 65  
 (2) 85  
 (3) 190  
 (4) 115

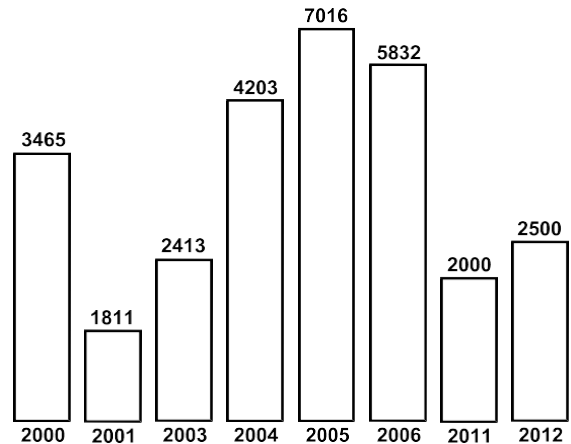
56. Find the incorrect one:

- (1) Hertz is used to measure frequency  
 (2) Kelvin is used to measure temperature  
 (3) Bel is used to measure atmospheric pressure  
 (4) Ohm is used to measure electrical resistance

57. RTGS in banking sector stands for:

- (1) Real Time Gross Settlement  
 (2) Real Transactions Going Settlement  
 (3) Ready Transfer Gross Settlement  
 (4) Remittance Transfer Gross settlement

funsZek: ¼çeu laa;k 51 ls 55½ fuEufyfakr çeuksa dk mÜkj uhaps fn, x, ckj pkVZ ds vk/kkj ij fn;k tkuk gS tksfd pkoy ds vk;kr ¼gtkj Vu esa½ o`kZ 2000 ls 2012 rd ns jgk gSA



51. xr o`kZ ds Äij fdl o`kZ esa vk;kr us loZJs'B o`f) ntZ dh\

- (1) 2012  
 (2) 2005  
 (3) 2004  
 (4) 2003

52. o`kZ 2006 esa vk;kr o`kZ 2001 ds vk;kr ds yxHkx fdruk xquk Fkk\

- (1) 3.22  
 (2) 2.41  
 (3) 1.68  
 (4) 0.31

53. vkSlr vk;kr ls vf/kd ls vkSlr vk;kr ls de ds o`kks± dk vuqikr D;k gS\

- (1) 3:8  
 (2) 8:3  
 (3) 3:5  
 (4) 5:3

54. 2012 esa vk;kr esa o`f) 2011 ds vk;kr dk fdrus çfrèkr Fkk\

- (1) 80  
 (2) 5  
 (3) 125  
 (4) 25

55. 2004 esa vk;kr fn, x, o`kks± ds vkSlr vk;kr dk fdrus çfrèkr Fkk\

- (1) 65  
 (2) 85  
 (3) 190  
 (4) 115

56. fuEufyfakr esa vIR; dks pqusa:

- (1) gtZ ÝhDosalh ekiu dh bZdkbZ gS  
 (2) dsfYou rkiØe ekiu dh bZdkbZ gS  
 (3) csy okrkjokh; ncko ekiu dh bZdkbZ gS  
 (4) vks<sup>0</sup>-e fopqrh; çfrjks/k ekiu dh bZdkbZ gS

57. cSafdaq {ks7 esa RTGS dk rRi;Z gS:

- (1) Real Time Gross Settlement  
 (2) Real Transactions Going Settlement  
 (3) Ready Transfer Gross Settlement  
 (4) Remittance Transfer Gross settlement





- (1) 1                      (2) a  
 (3)  $a^2$                     (4)  $\infty$

funsZék: ,d dkYifud Hkk'kk esa vad 0, 1, 2, 3, 4, 5, 6, 7, 8 ,oa 9 dks a, b, c, d, e, f, g, h, i ,oa j ds }kjk çfrLFkkfir fd;k tkrk gSA ,oa 10 dks ba dh rjg fyakk tkrk gSA

64.  $bee + fg - (ca \times h/be)$  fdlldsjkckj gS:

- (1) bja                      (2) afb  
 (3) jfb                      (4) bfj

65. 600 Vsful fakykM+h gSaA 4% ,d dykbZ ij cSUM igurs gSaA éks'k ds 25% nksuksa gkFkksa ij cSUM igurs gSaA fdrus fakykM+h dykbZ ij cSUM ugha igurs\

- (1) 534                      (2) 432  
 (3) 344                      (4) 482

66. cl VfeZuy ls 10 feuV ds vUrjky ij 20 fdeh.@?kaVs dh pky ls cl pyrgh gSA cl VfeZuy ds foijhr fnèkk ls vkrs gq, ,d O;fä dh pky D;k gksxh ;fn og cl dks 8 feuV ds vUrjky ij ikrk gS\

- (1) 5 fdeh.@?kaVk        (2) 4 fdeh.@?kaVk  
 (3) 6 fdeh.@?kaVk        (4) 7 fdeh.@?kaVk

67. In the number series 4, 10, 23, 50, 104, 216 and 439, the wrong number is:

- (1) 10 (2) 23  
**(3) 104** (4) 50

68. India recently won gold in world Youth Under-16 Chess Olympiad against:

- (1) Ukraine (2) Russia  
**(3) Turkey** (4) Iran

69. Which soil is more suitable for crops like cashew nut?

- (1) **Red laterite soil** (2) Black soil  
 (3) Alluvial soil (4) Arid soil

70. We can not see during a fog because of:

- (1) Reflection of light (2) Internal reflection  
**(3) Scattering of light** (4) None of these

71. The value of  $\frac{1}{x^2} + \frac{1}{y^2}$  where  $x = 2 + \sqrt{3}$  and  $y = 2 - \sqrt{3}$  is:

- (1) 12 (2) 16  
**(3) 14** (4) 10

72. In a certain code language 'PROPORTION' is written as 'PORPRONOIT'. How is 'CONVERSION' written in that code language?

- (1) VNOCERONIS (2) VNCORENOIS  
**(3) VNOCRENOIS** (4) VNOCREIONS

73. Recently which ministry has launched two schemes namely-venture capital fund for S.C. and Green business scheme:

- (1) Ministry of Finance  
**(2) Ministry of Social Justice & Empowerment**  
 (3) Ministry of Commerce & Industry  
 (4) Ministry of Minority affairs

74. India's first dedicated military satellite?

- (1) GSAT-12  
**(2) GSAT-7**  
 (3) GSAT-1  
 (4) GSAT-8

DIRECTIONS: Answer the following questions according to the instructions given.

- A\$B means A is not smaller than B  
 A#B means A is not greater than B  
 A@B means A is neither smaller nor equal to B  
 A\*B means A is neither greater than nor smaller than B  
 A%B means A is neither greater than nor equal to B

75. STATEMENT:

M@J, J\$T, T\*N

CONCLUSION:

- I. N#J II. T%M III. M@N  
 (1) Only I and II are true (2) Only I and III are true  
 (3) Only II is true **(4) All are true**

67. laa;k Jsokh 4, 10, 23, 50, 104, 216 ,oa 439 esa xyr laa;k gS:

- (1) 10 (2) 23  
 (3) 104 (4) 50

68. Hkkjr us vHkh gky gh esa foëo ;wFk vUMj-16 êkrjat vksfYEi;kM esa LookZ fdl nsëk ds fov) thrk:

- (1) ;wØsu (2) vI  
 (3) VdĒ (4) bZjku

69. dktw tSlh Qlyksa ds fy, dkSu-lh e`nk lcls T;knk mi;qä gS:

- (1) yky eakjyh e`nk (2) dkyh e`nk  
 (3) tyks< e`nk (4) vuqoZj e`nk

70. ge /kqa/k ds nkSjku fdl dkjok ugha nsak ldrs:

- (1) çdkék dk ijkorZu (2) vkUrfjd ijkorZu  
 (3) çdkék dk fcakjko (4) buesa ls dksbZ ugha

71.  $\frac{1}{x^2} + \frac{1}{y^2}$  dk eku tc fd  $x = 2 + \sqrt{3}$  ,oa  $y = 2 - \sqrt{3}$  gS:

- (1) 12 (2) 16  
 (3) 14 (4) 10

72. ,d fufêpr dksM ^PROPORTION\* dks ^PORPRONOIT\* fyakk tkrk gS rks mlh dksM Hkk'kk esa ^CONVERSION\* dks dSlS fyaksaxs\

- (1) VNOCERONIS (2) VNCORENOIS  
 (3) VNOCRENOIS (4) VNOCREIONS

73. gky gh esa fdl ea7ky; us nks ;kstuk,a vuwlwfr tkfr ds fy;s lkgfld iw;th uhf/k ,oa gfjr O;kikj ;kstuk ykxw dh:

- (1) foÜk ea7ky;  
 (2) lkekftd U;k; ,oa lékfädjok ea7ky;  
 (3) okfokT; ,oa mpksx ea7ky;  
 (4) vYilaa;d ekeyksa dk ea7ky;

74. Isuk dks lefiZr Hkkjr dk igyk mixzg gS\

- (1) GSAT-12  
 (2) GSAT-7  
 (3) GSAT-1  
 (4) GSAT-8

funsZék: fn;s x, funsZékksa ds vuqlkj fuEu çëu dk mÜkj nsaA  
 A\$B dk rkRi;Z gS A] B ls NksVk ugha gS  
 A#B dk rkRi;Z gS A] B ls cM+k ugha gS  
 A@B dk rkRi;Z gS A] u rks B ls NksVk vkSj u gh B ds cjkcy gS  
 A\*B dk rkRi;Z gS A] u rks B ls cM+k vkSj u gh B ls NksVk gS  
 A%B dk rkRi;Z gS A] u rks B ls cM+k vkSj u gh B ds cjkcy gS

75. dFku:

M@J, J\$T, T\*N

fu'd'kZ:

- I. N#J II. T%M III. M@N

- (1) dsoy I ,oa II IR; gS (2) dsoy I ,oa III IR; gS  
(3) dsoy II IR; gS (4) IHkh IR; gSa

DIRECTIONS: (Question No. 76 to 78) Read the following information and answer the questions that follow.

In Common Wealth Games, six weightlifters were selected through a rigorous selection test. Their names are Atul, Bimal, Chintoo, Debu, Eshan and Fakir. Out of them Bimal, Chintoo and Eshan were from Rural Background and the remaining from urban background. Atul, Bimal and Debu had completed their education in English medium and all remaining in Hindi Medium. Debu and fakir had specialisation in yoga and others had specialisation in swimming.

76. If Atul and Chintoo were also yoga specialists, what would have been the number of swimming specialist from rural background:

- (1) 1 (2) 2  
(3) 3 (4) None of these

77. Which of the following description is correct in respect of Atul and Bimal. both of them are:

- (1) From urban background studied in English medium  
(2) From Rural Background studied in English medium  
(3) Having Swimming specialisation studied in English medium  
(4) English medium players but one of them is a yoga expert

78. Who among the following is a yoga specialist coming from urban background and studied in English medium:

- (1) Fakir (2) Atul  
(3) Chintoo (4) Debu

79. This river rises from Trimbak plateau of north Sahyadri:

- (1) Cauvery  
(2) Godavari  
(3) Krishna  
(4) Mahanadi

80. Who won the inaugural title of the star sports Pro Kabaddi league:

- (1) U Mumba  
(2) Jaipur Pink Panther  
(3) Dabang Delhi  
(4) Bengal Warriors

81. STATEMENT:

All boys are girls  
No girl is a father

CONCLUSION:

I. All girls are boys

II. No boy is a father

- (1) Only I is true  
(2) Only II is true  
(3) Only I and II are true  
(4) None of them is true

funsZèk: ¼çéu laq;k 76 ls 78½ fuEufyfakr lwpukvksa dks i<+sa ,oa çéuksa ds mÜkj nsaA

dkWeu osYFk aksykSa esa N: HkkjÜkksydksa dks dfBu p;u ijh{kok ds ek;/e ls pquk x;k gSA muds uke gSa vrqy] fcey] fpUVw] nscw] bZèkku ,oa QdhjA buesa ls fcey] fpUVw ,oa bZèkku xzkehok i`B Hkwfe ls Fks tcfD ckdh èkgjh i`B Hkwfe ls gSaA vrqy] fcey ,oa nscw us viuh fèk{kk vaxzsth ek;/e ls dh Fkh ,oa ckdh lHkh fgUnh ek;/e lsA nscw ,oa Qdhj ;ksxk esa foèks'kKrk fd;s gq, Fks tcfD nwljs rSjkdh esaA

76. ;fn vrqy ,oa fpUVw Hkh ;ksxk foèks'kK gksrs rks xzkehok i`B Hkwfe ls rSjkdh esa foèks'kKrk jakus okyks dh laq;k fdruh gksrh:

- (1) 1  
(2) 2  
(3) 3  
(4) buesa ls dksbZ ugha

77. vrqy vkSj fcey ds lanHkZ esa dkSu-lk foojok IR; gS: nksuksa gSaA

- (1) vaxzsth ek;/e ls i<+s gq, èkgjh i`B Hkwfe ds  
(2) vaxzsth ek;/e ls i<+s gq, xzkehok i`B Hkwfe ds  
(3) vaxzsth ek;/e esa i<+s gq, rSjkdh foèks'kK  
(4) vaxzsth ek;/e ds fakykM+h ysfdU muesa ls ,d ;ksxk foèks'kK

78. fuEufyfakr esa ls dkSu-lk ;ksxk foèks'kK tks èkgjh i`B Hkwfe ls gS ,oa vaxszth ek;/e ls i<+kbZ fd;k gqvk gS:

- (1) Qdhj (2) vrqy  
(3) fpUVw (4) nscw

79. mÜkj L;kgkæh ds f7Ecd lysVw ls fudyus okyh unh gS:

- (1) dksjH  
(2) xksnkjH  
(3) N'okk  
(4) egkunh

80. LVkj LiksV~Zl çks dcìh yhx dk èkqHkkjEHk ind fotsrk dkSu cuk:

- (1) ;w eqEck  
(2) t;iqj fiad iSUFkj  
(3) ncax fnYyh  
(4) caxky okWfj;lZ

81. dFku:

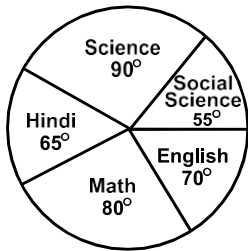
lHkh yM+ds yM+fd;kj  
gSA dksbZ Hkh yM+dh firk  
ugha gS

fu'd'kZ:

- i. lHkh yM+fd;kj yM+ds gSa  
ii. dksbZ Hkh yM+dk firk ugha gS  
(1) dsoy I IR; gS  
(2) dsoy II IR; gS  
(3) dsoy I ,oa II IR; gS

(4) buesa ls dksbZ Hkh IR; ugha gS

DIRECTIONS: The following graph gives the marks scored by a student in different subjects – English, Hindi, Mathematics, Science and Social Science in an examination. Assuming that the total marks obtained for the examination are 540, answer the question given below.



82. The difference of marks between Social Science and Mathematics as the same as between:

- (1) English and Science
- (2) Science and Hindi
- (3) Hindi and English
- (4) None of these

83. Hajo is an ancient pilgrimage center for three religions. Which one religion is not included in this:

- (1) Hindu
- (2) Buddhists
- (3) Jains
- (4) Muslims

DIRECTIONS: In a certain code language–

- i. 'Cod dex nom' stands for 'banana is sweet'
- ii. 'Zip dex nux' stands for 'apple is good'
- iii. 'Cod nux elp' stands for 'banana and apple' and
- iv. 'pa reb nom' stands for 'oranges are sweet'.

84. Which word in that language stands for 'apple'.

- (1) Elp
- (2) Nux
- (3) Zip
- (4) None of these

85. To which ocean the Panama Canal joins the Atlantic Ocean?

- (1) Pacific Ocean
- (2) Indian Ocean
- (3) Arctic Ocean
- (4) Caspian Sea

86. Match List-I with List-II

List-I

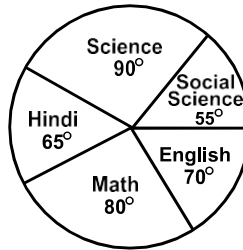
1. Jawahar Lal Nehru Port
2. Paradip Port
3. Kandla Port
4. Ennore Port

List-II

- A. Tamilnadu
- B. Maharashtra
- C. Odisha
- D. Gujarat

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

funsZék: ,d fopkFkÊ }kjk fofHké fo'k;ksa-vaxzsth] fgUnh] xfokr] foKku ,oa lkekftd foKku esa vftZr vad dks fuEufyfakr xzkQ }kjk nèkkZ;k x;k gSA ;g ekurs gq, fd ijh{kk esa dqy vftZr vadksa dh laa;k 540 gS rks fuEufyfakr çëu dk mÜkj nsaA



82. lkekftd foKku ,oa xfokr ds e/; vadksa esa vUj mruk gh gS ftruk fuEu ds e/;:

- (1) vaxzsth ,oa foKku
- (2) foKku ,oa fgUnh
- (3) fgUnh ,oa vaxzsth
- (4) buesa ls dksbZ ugha

83. gkt+ks rhu /keks± dk ,d çkphu rhFKZ-LFky dsUæ gSA dkSu- lk /keZ blesa èkkfey ugha gS:

- (1) fgUnw
- (2) ckSf)LV
- (3) tSu
- (4) eqfLye

funsZék: ,d fufëpr dksM Hkk'kk esa–

- i. ^Cod dex nom\* dk rkRi;Z gS ^banana is sweet\*
- ii. ^Zip dex nux\* dk rkRi;Z gS ^apple is good\*
- iii. ^Cod nux elp\* dk rkRi;Z gS ^banana and apple\* ,oa
- iv. ^pa reb nom\* dk rkRi;Z gS ^oranges are sweet\*

84. ml Hkk'kk esa dkSu-lk èkën ^apple\* ds fy;s ç;qä fd;k x;k gS:

- (1) Elp
- (2) Nux
- (3) Zip
- (4) buesa ls dksbZ ugha

85. fdl egklkxj esa iukek ugj vVykfUVd egklkxj ls feyrh gS\

- (1) çëkkUr egklkxj
- (2) fgUn egklkxj
- (3) vkdZfVd egklkxj
- (4) dslfi;u egklkxj

86. lwph-I dks lwph-II ls lqesfyr

djsa: lwph-I

lwph-II

- |                         |             |
|-------------------------|-------------|
| 1. tokgj yky usgv iksVZ | A. rfeyukMw |
| 2. ikjknhi iksVZ        | B. egkjk'Va |
| 3. dkUnyk iksVZ         | C. vkfMëkk  |
| 4. ,éksj iksVZ          | D. xqtjkr   |

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

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



87. Anusuya, who gave sermons to Sita, the wife of Lord Rama, during their banishment to forest (vanvasa), was the wife of sage:
- (1) Atri (2) Angiras  
(3) Marichi (4) Kratu
88. If the radius of a right circular cylinder is decreased by 50% and its height is increased by 60%, its volume will be decreased by:
- (1) 30% (2) 40%  
(3) 60% (4) 70%
89. The perimeter of a rhombus is 40 cm and the measure of an angle is  $60^\circ$ , then the area of it is—
- (1)  $100\sqrt{3}\text{ cm}^2$  (2)  $75\sqrt{3}\text{ cm}^2$   
(3)  $180\sqrt{3}\text{ cm}^2$  (4)  $50\sqrt{3}\text{ cm}^2$
90. If 'yellow' is called white, 'white' is called pink, 'pink' is called red, 'red' is called black, 'black' is called green, 'green' is called orange, then what is the colour of coal?
- (1) Red (2) Orange  
(3) Green (4) Black
91. This is a ground penetrating radar and will provide centimeter scale resolution of the geologic structure of the subsurface. This is among the seven selected payloads that will be sent to Mars 2020 rover mission:
- (1) MEDA (2) RIMFAX  
(3) SHERLOC (4) MOXIE
92. To mark 800<sup>th</sup> anniversary of Magna Carta (1215), four surviving copies of the world most important documents of parliamentary democracy were recently brought together as a part of celebrations in:
- (1) Washington (2) Delhi  
(3) London (4) Kathmandu
93. The fourteenth Finance Commission recommended .....of the net proceeds of the union tax revenues to be transferred to the states:
- (1) 32% (2) 35%  
(3) 42% (4) 45%
94. Who won Hockey India League–3 ?
- (1) Delhi Waveriders  
(2) UP Wizards  
(3) Punjab Warriors  
(4) Ranchi Rays
95. For 1 MB memory the number of address lines required:
- (1) 11  
(2) 16  
(3) 22  
(4) None of these
87. vuqlw;k ftlus Hkxoku Jh jke dh iRuh lhrk dks nkSjku minsék fn;k] og fdl eqfu dh iRuh Fkh:
- (1) vf7 (2) vafxj  
(3) ekfjph (4) Ørq
88. ;fn ,d ledksokh; o`Ùkh; csyukdkj dh f7T;k 50 çfrékr de dj nh tkrh gS vkSj bldh ÁpkbZ esa 60 çfrékr dh o`f) dj nh tkrh gS] rks bls vk;ru esa fdrus çfrékr dh deh gksxh:
- (1) 30% (2) 40%  
(3) 60% (4) 70%
89. ,d leprqHkqZt dk ifjeki 40 cm gS vkSj bldk ,d dksok 60° gS rks bldk {ks7Qy gksxk
- (1)  $100\sqrt{3}\text{ cm}^2$  (2)  $75\sqrt{3}\text{ cm}^2$   
(3)  $180\sqrt{3}\text{ cm}^2$  (4)  $50\sqrt{3}\text{ cm}^2$
90. ;fn ^ihys\* dks lQsn dgrs gSa] ^lQsn\* dks xqykch] ^xqykch\* dks yky] ^yky\* dks dkyk] ^dkyk\* dks gjk] ^gjk\* dks ukjaxh dgrs gSa] rks dks;yk dk jax D;k gS\
- (1) yky (2) ukjaxh  
(3) gjk (4) dkyk
91. ;g ,d Hkw-Hksnh jMkj gS ,oa ;g mi-i`Bh; dh HkkSxksfyd lajpuk dk lsaVhehVj Ldsy fjtksywëku çnku djsxkA ;g lkr p;fur isyksM-l esa ls ,d gS tks eaxy 2020 jksoj feëku ij Hkstk tk;sxk:
- (1) MEDA (2) RIMFAX  
(3) SHERLOC (4) MOXIE
92. eSXuk dkVkZ ¼1215½ dh 800oha o`kZxk;B dks eukus ds fy;s lalh; çtkra7 ds bfrgkl esa foëo ds lcls egRoiwokZ pkj thfor çysakksa dks ,d lkFk ykuk vHkh gky esa mRlo dk ,d fgllk cuka ;g dgkj euk;k x;k:
- (1) okfëaxVu  
(2) fnYyh  
(3) yanu  
(4) dkBekUMw
93. pkSngosa foÙk vk;ksx us Hkkjrh; la?k ds dj vk; dh ékq) vkxr ¼çkflr;ksa½ dk ..... jkT;ksa dks glRkarfjr djus dh vuqëkalk dh:
- (1) 32% (2) 35%  
(3) 42% (4) 45%
94. Hkkjrh; gkWdh yhx-3 dkSu thrk\
- (1) fnYyh osojkbZMIZ  
(2) ;w.ih. fot+kMZ  
(3) iatkc okfjkslZ  
(4) jk;ph jst

95. 1 MB Le`fr ds fy, okafPNr irk ykbuksa dh la;k:

- (1) 11
- (2) 16
- (3) 22
- (4) buesa ls dksbZ  
ugha

## GENERAL ENGLISH

DIRECTIONS: (Question Nos. 96 to 100) Read the following passage. The questions following it are based on its content. Select the best answer to each question, based on the content of the passage.

What is it that people today fail to understand about what is happening to them? What is happening is that they are using up their planet at a fearsome rate and may soon pass the point where their total habitat can sustain human life. Man's world is slipping away from him. His habits, his thoughts, his actions run counter to the essentials of his existence. He has created national governments for the purpose of giving him maximum protection, but he has no way of protecting himself against the governments. In the act of contending with one another, the governments have become instruments of race suicide and world holocaust.

Most of what man does is irrelevant to his main problems; his ingenuity has been applied to everything except the need to make his planet safe for human habitation. He has cut into his natural environment with large slashes. His sources of food are being sealed over by the tar and cement of his cities and highways. Next to destructive force, he produces nothing in greater volume than his garbage. He has made his sky an open sewer and his rivers and lakes a poisonous brew. He has pumped his foul wastes into the seas and has stared balefully at billions of floating dead fish.

Instead of fortifying his plants against insects with rich loam and compost, he has attacked them indiscriminately with chemicals, violating the chain of life and killing off the birds that are far more essential to his own spirit than many of his commodities. By going against nature, he has warred against beauty of line, movement, and sound. He has been mucking up his own planet, but has the arrogance to go searching for life elsewhere in the universe.

What has been happening to people that they don't understand is that they have made a geographical entity out of their world without a philosophy for ennobling it, a plan for conserving it, or an organization for sustaining it. Men crave to do good, to act reasonably and think decently. But goodness and decency and wisdom must have a world purpose in our time if life and thought are to have any meaning at all.

**96. The author would strongly oppose:**

- |   |                               |
|---|-------------------------------|
| (1) A flight to Mars to search for life | (2) A stronger United Nations |
| (3) Pollution control                   | (4) Organic farming           |

**97. The passage condemns man for:**

- |                             |                               |
|-----------------------------|-------------------------------|
| (1) Discovery of penicillin | (2) Laying railway tracks     |
| (3) Man's ingenuity         | (4) Mucking up his own planet |

**98. The tone of the passage can best be said to be:**

- |                      |                      |
|----------------------|----------------------|
| (1) Concealed humour | (2) Alarming concern |
| (3) Unbridled anger  | (4) A sense of joy   |

**99. The author's view on man's thoughts, habits and actions are that:**

- (1) They contribute to financial success
- (2) Run counter to the theory of relativity
- (3) Go against the basics of his existence
- (4) They assist in the process of evolution

**100. The passage brings out that man's craving for doing good, acting reasonably and thinking decently is not enough unless these qualities:**

- (1) Are implemented quickly
- (2) Have a goal for entire world
- (3) Build friendship between humans
- (4) Help in avoiding conflict

DIRECTIONS: (Question 101 & 102) In the following questions, pick the choice whose meaning is opposite to the word shown in capitals for each question:-

**101. HOI POLLOI:**

- |                 |                 |
|-----------------|-----------------|
| (1) Cannibalism | (2) Tyranny     |
| (3) The past    | (4) Aristocracy |

**102. INCREDULOUS:**

- |               |                |
|---------------|----------------|
| (1) Tolerable | (2) Creditable |
| (3) Gullible  | (4) Vicious    |

DIRECTIONS: (Question 103 & 104) In the following questions, the descriptive sentence is aptly described by just one word. Select the choice which give the meaning most appropriately:

**103. A person who creates disorder in a state:**

- (1) Rebel
- (2) Militant
- (3) Anarchist
- (4) Fifth columnist

**104. One who talks in his sleep:**

- (1) Somniloquist
- (2) Somnivocalist
- (3) Somnambulist
- (4) Somnalesist

DIRECTIONS: Which of phrases given below in each sentence should replace the phrase in Underlined to make the sentence grammatically correct?

**105. He is too important for tolerating any delay:**

- (1) to tolerate
- (2) to tolerating
- (3) at tolerating
- (4) with tolerating

DIRECTIONS: Choose the correct word which can be substituted for the given word/sentence.

**106. Extreme old age when a man behaves like a fool:**

- (1) Imbecility
- (2) Senility
- (3) Dotage
- (4) Superannuation

**107. In the following question, which of the following paired conjunctions would you use to combine the two sentence into one sentence.**

**She will have to study hard. She will have to concentrate to do well on the exam.**

- (1) both...and
- (2) not only...but also
- (3) either...or
- (4) neither...nor

DIRECTIONS: Arrange the following sentences/phrases in a coherent sequence and select the corresponding choice from (1), (2), (3) and (4).

**108. Jumbled sentences/phrases:**

- M and took him to hospital
- N His friend came and
- O He cried for help
- P Killed the snake
- Q A snake bit the gardener

- (1) QPONM
- (2) ONQPM
- (3) QONPM
- (4) NMOQP

**109. Read the following sentences. In the following sentences, in which sentence adverbs modify the whole sentence rather than any particular word:**

- (1) Rekha runs quickly.
- (2) Unfortunately no one was present there.
- (3) This is a very sweet mango.
- (4) Rekha reads quite clearly.

**110. Fill in the gap with suitable preposition:**

**Ram died \_ fatigue.**

- (1) of
- (2) from
- (3) for
- (4) in

DIRECTIONS: (Question No. 111 to 112) Against each key word are given four suggested meanings. Choose the which is most nearly the same to the keyword.

**111. BOURGEOIS:**

- (1) Aristocratic
- (2) Animated
- (3) Lively
- (4) Ordinary

**112. JOCUND:**

- (1) Filmsy
- (2) Cheerful
- (3) Cruel
- (4) Laughable

**113. The correct passive voice of the following sentence is:**

**Will anyone believe your story?**

- (1) Will your story be believed by anyone?
- (2) Will you be believed for story by anyone?
- (3) Will your story to be believed by anyone?
- (4) Will your story having been believed by anyone?

**114. Identify the incorrect sentence:**

- (1) The patient had died before the doctor arrived.
- (2) He behaves as if he was a king.
- (3) Read regularly lest you should fail.
- (4) Bread and butter makes a good breakfast.

**115. Identify the incorrect plural:**

- (1) Swine
- (2) Sheep
- (3) Species
- (4) Aircrafts

**116. Fill in the blank using the correct tense:**

I ..... at five o'clock and ..... for two hours. After taking a bath, I ..... breakfast. Then, I..... to school on my bike.

- (1) Got up, studied, took, went
- (2) Get up, will study, take, went
- (3) Get up, study, will take, go
- (4) Got up, will study, will take, will go

**117. Given below are the words with different spellings. Select the one which you consider to be correctly spelled:**

- (1) Paraphernalia
- (2) Paraphrenalia
- (3) Parapherenalia
- (4) Paraphrennalia

**118. Change the following direct speech into correct reported speech and mark your options from among choices.**

**Ram said, "The teacher left an hour ago"**

- (1) Ram said that the teacher had left an hour ago
- (2) Ram said that the teacher left an hour ago
- (3) Ram said that the teacher had left an hour before
- (4) Ram said that the teacher had left an hour ahead

**119. Fill in the gap correctly.**

**India won by an \_\_\_\_\_ and three \_\_\_\_\_.**

- (1) Innings, run
- (2) Innings, runs
- (3) Inning, run
- (4) Inning, runs

DIRECTIONS: Choose the appropriate preposition to fill in the blank.

**120. Our plane stopped ..... Mumbai airport on the way to Italy.**

- (1) in
- (2) over
- (3) on
- (4) at

by j,fkrdy jj d,N Hyt fyayy` y` jgy` fytyfyfayr fyn`ëý /;yyj,o'd j<.a

pgRoj,oy':- fytyfyfayr fyn`ëý /;yyj,o'd j<.aj vjy` péyy`a d` vsyj péy-j,fkrdy p`a y yyy,a vU;Fyy p;y pfØ;y y` vyjdt jy7ry oafpr dj nt ucy;`ytj

1. vjyy vsyj fyayyy pyjtHy djy` y` jgy` vjyt péy j,fkrdy dt Hyt-Hyyifr ucyip dj y`i, n`ay y`i fd byp`i 120 péy g`j pR;`d péy j,fkrdy dt fyjtuy fHyé gy`yt (péy-j,fkrdy yaa;y ,oa péy-j,fkrdy fyjtuy dy ya;y`uy)j vyjdy` OMR vsyj jf7dy jj ygt péy-j,fkrdy fyjtuy ,oa péy-j,fkrdy yaa;y fyayyy g`j j,y: ;g Hyt jJay y`a fd byp`a fpafoy yaca/yt vFyoy vU; fdkp dt dy`b' dpt ygta g`j ;fn fdyt pdij dt dy`b' dpt gy` ry j ;`o`yd dy y`fpr dj`a vy`j péy-j,fkrdy cnydj ,d y;t j,fkrdy ,oa ,d y;t OMR y`aj by yanHy' p`a fdyt Hyt pdyj dt dy`b' féydy;r jj cyn p`a dy`b' fopyj ygta fd;y ucy,yyj  
 pgRoj,oy' yy`<: vy`.,p.vyj. vsyj jf7dy vH;FyÉ d` péy-j,fkrdy fyjtuy ,oa péy-j,fkrdy yaa;y d` ya;y`uy y` p.Y;yafdr dt ucy;`ytj vr: vyjdy` vy`.,p.vyj. vsyj jf7dy jj ygt péy-j,fkrdy fyjtuy ,oa péy-j,fkrdy yaa;y fyayyt pyfg,j byp`a y` fdyt ,d p`a Hyt yyrt gy`y` jj vyjdt vy`.,p.vyj. vsyj jf7dy fyjkr gy` ydrt g`j vy`.,p.vyj. vsyj jf7dy p`a péy-j,fkrdy yaa;y ,oa péy-j,fkrdy fyjtuy ygta Hyjy` jj vH;FyÉ d` vsyj jf7dy dy p.Y;yady ygta fd;y ucy;`yy fuyydt fuyt`nyjt kor: vH;FyÉ dt gy`ytj
2. péy j7 fHyeyt; (fgUnt ,oa vaycwt) p`a g`j fgUnt yakdjoy p`a fdyt Hyt fHyéry gy`y` jj p.Y;yady d` fy, vaycwt yakdjoy dy` vfUrp pyyy ucy;`yyj
3. y,fyfêpr dj`a fd vyjd` po`ëý-j7 ,oa vy`.,p.vyj éyt< dy` vyjd` }jy ,oa d{y fyjt{yd d` }jy gkry{y} fd;y y;y`g`j ;fn gkry{y} ygta fd;y/djoy;y y;y`g` ry` jy7ry fyjkr gy` ucy;`ytj
4. yHyt cg,-fodYj péyy`a d` 1 vad g`aj vy,syfjr péyy`a d` fy, y ry` dy`b' vad fn;y ucy,yj vy`j y gt dy`y ucy,yyj pR;`d vsyj d` fy, d`oy ,d vy`oy dy` dyyj dj`aj ;fn vyj ,d y` T;yny vy`oy dyyj djr` g`a ;y ,d y` T;yny vy`oy jj dy`b' k`a` pyD'y fpyry g` ,`y` vy`oy d` fy, dy`b' vad ygta fpy`yyj
5. ;g ,d okr,jjd fdkp dt jjt{yy g` fuyy`a pR;`d péy d` ytp` Øpyad (1) y` (4) rd pyj pkryfor vsyj fn;` g`aj vyjd` fopyj p`a ucy` Hyt vsyj ygt/yo`J`e< g` vydy` vy`.,p.vyj. vsyj j7 p`a fn;` fyn`ëý d` vy,yyj fpfUgr dtfuy,j vjy` vsyj péy j,fkrdy p`a y yyy,j
6. vy`.,p.vyj. vsyj jf7dy jj yHyt dy;y`± d` fy, yty`/dy` cy`y loyb±< j`y y` fya`aj vy`.,p.vyj vsyj jf7dy jj vy`oy dy` j,oy` vj y` d`oy yty`/dy` cy`y loyb±< j`y y` Hyj`aj ,d cyj fn, y, vsyj dy` cnyy ygta ucy ydryj vsyj dt dfkay ,oa vy`ojjyb`f`kay dt vy`pfr ygta g`j
7. d`Yd,y`<j, kyybMvy, py`cyb'y, d`Yd,y`<j ?yfM.;yi ;y by pdyj dt dy`b' Hyt ;,fä ,oa fdyt Hyt v/;;y/yanHy' yypyst vyfn dy p;y`y jjt{yy d{y p`a ofuy`r g` ,oa nUMyt; vjyy/y g`j
8. jQ. dy;` j,fkrdy p`a fdyt Hyt ayyt kFyy p`a fd;y ucyyy pyfg,, vy`.,p.vyj. vsyj jf7dy jj dy`b' Hyt jQ. dy;` y dj`aj fdyt vU; dyy.u jj by` djy` dt vy`pfr ygta g`j
9. jjt{yy dt ypyflr d` jépyr, vjyt vsyj-jf7dy (OMR) j;`o`{yd dy` yy`aj n`aj vy`.,p.vyj. (OMR) vsyj-jf7dy dy` jjt{yy d{y y` cygj y` ucyyy ofuy`r g` ,`yy dyy nUMyt; vjyy/y g`j jjt{yyFyÉ jjt{yy d` vjyyUr vjyy péy-j7 y` ucy ydry g`j

