

COSL

Dear friends ,

This year COSL has changed the pattern altogether. Too many questions in just 30 minutes later on the Y increased time by 10 min.

I have generated some of the questions :

It contains Group A and group B.

group B is psychometry and try to attempt it only after completing the group A. unless group A is completed don't try to go for group B since it will have very less weightage.

In group A again u will have sections like

1.quantitative

2.Arrange the sentence properly and find the fifth word

3. Figures (visible test)

4. some cartoons will be there. u have to arrange them in proper order so that u will generate one story.

5. synonyms

group A:

If you attempt them without solving you can solve the other questions so dont look at these questions there and just mark them blindly.

Two ladders are of same length.

they are kept inclined to two opposite walls

distance of point of contact of top of ladder to ground is 18, 24 inch respectively find the length of ladder from 4 options

only one answer was more than 24 mark it around 26...

A person buy the 6, 1 Rs stamps and 7, 50 paisa stamps he has given

12

Rs how much he will get back.

ans 2.5 rs

ans were near 16.45 or 19.002 something like that,

Electricity - gas = 100

then Jack - Jill = ?

ans a) 0 b) 25 c) ,.....?

Democratic = 108

there is a right angled isosceles triangle area given find hypotenuse

ans 10 root 2

a man is running around a rectangle it takes time 2 time in travelling length than travelling width total perimeter = 300

find area

ans 5000

Q

A coal is fed in the tunnel [6 ton of coal] 1 ton of coal = 35 cubic feet given cross section [rectangular duct] it req to find height.

Some 8 figures were given in that you have to identify the missing thing in the diagram

dig 1 : INDIA MAP missing ans : gujrat

2

3 Coat

Sunrise

button or pocket

birds or shadow [or look it

carefully]

Girl eyebrows
chashme ki dandi gayab thi shayad ek figure me
fig 4 girl standing her thumb was missing

Series

0 6 24 60 120 210 two next terms ans 310 wala
shayad solve kar ke dekh

reasoning :

This is not that. that is not there
ans c

boys are not girl . Jill is not a girl
ans Jill is not a girl.

Price of cotton today is 50 corore what will it be after 100 years
ans c) unknown

A man

If x ranges from 2 to 3 y ranges from 7 to 8 then which value is
max

a) $y*y * x$ other option i dont know

Q 2 is what percent of 4t

Q there are 140,0000 pencils out of which 80 % of pencils have average
length of 5 inch what will be the total lenght if they are kept one
over
another what will be the distance in miles

there are 4 soldiers 1 2 3 4

1 moves 3 steps ahead
2 moves 1 or 2 step backward
3 moves .. steps
4 moves 4 step backward

what will be the final position between one and 4 ans 5 steps

verbal : DUPE remember its synonyms antonyms

Factitious

mitigate

callous or callos aisa hi kuch tha sare GRE me se related

dekh

lena

a person left house with speed 40 mile per hour
his wife after 30 minutes left to catch him at a speed of 50
in what time she will catch.

Q A waiter get 15 Rs including tip of one Rs per week { carefully
read the wordings whether to add or subtract 1 Rs]

ans calculate it ans 8 or 8.5 .

Q ;One person meet his friend on 12:30 then on 1:20 on second day on
third day

ans) 5:50

there were figures in which you have to fit certain boxes i will send
later on in Xfig.

some questions on arranging the sequence of give figures.

[Part 3, "" Text 110 lines]

[Unable to print this part]

COSL

INSTRUCTIONS :

1. THERE ARE 2 SECTIONS A and B. SECTION A CONTAINS 69 QUESTIONS AND

SECTION B CONTAINS $8 + 28 = 36$ QUESTIONS.

2. TIME = 30 MIN. (THEY HAVE GIVEN HERE 10 MIN EXTRA DURING TEST HENCE TOTAL TIME WE GOT IS 40 MIN.)

3. SECTION B IS PSYCHOMETRIC TEST.

SECTION A

1. a man purchased 6 stamps of rupees 1 and seven stamps of 50 paise. he

paid Rs. 12. how much change he got back ? Ans. 2.50 Rs

2. REPUBLICAN = 108 so DEMOCRATE = ? (it is difficult. i made guess on 84)

3. if ELECTRICITY - GAS = 100
then JACK - JILL = ?

4. 8 men work for 6 days to complete a work. How many men are required to complete same work in $\frac{1}{2}$ day. Ans. 96 men.

5. A man drives at a speed of 40 miles/hr. His wife left 30 mins. late with 50 miles/hr speed. when will they meet ? Ans. 2 hours

6. A farmer walks at constant speed on the perimeter of his rectangular field. it takes him twice the time to cover longer side than shorter side. if he walks total 300 m . then find out the area of field? Ans. 5000 sq.m

7. 2 is what % of $4t$? (answer is $50/t$. But there was no such choice is answers. so you can tick at either $50t$ or $t/50$)

8. Find the hypotenuse of a right angle isosceles triangle whose area is 50. Ans. $10\sqrt{2}$

9. $(\sqrt{200}) - (\sqrt{50}) = ?$
Ans. $5\sqrt{2}$

10. Boys are not girls. Jill is a girl. SO
Ans. Jill is a girl.

11. Exercise is good for health. My health is in my hand. So
Ans. Exercise for good health is in my hand.

12. Factorize $y^2 + 8y - 48 = 0$
Ans. $(y+12)(y-4)$

13. 1,40,00,000 pencils are put up straight. all the pencils are of length range 3 to 6 inches. 80% of the pencils have average of five inches. so the find out the total length spanned by the pencils.
Ans. 1000 to 1500 miles.

14. If a ball falls from 16 feet takes 4 seconds. How much time it will take when falls from 64 feet. Ans. less than 16 seconds.

15. One question was based on Binomial theorem. so you just learn the formula of this theorem.

16. There were some questions on series :
 21, 463, 687, 238, 1134, ---- Ans. 297
 0, 6, 24, 120, 210, ---, ----

(Here is one advice that don't waste time on these series questions. Becos there are other easy questions in paper. and time is very less.)

17. There were 7 or 8 questions on word meanings. these were the only questions in the paper who have more than one answer. Read instruction given before these questions carefully.

words are as follows :

- (18) Facetitious
(19) Callous
(20) Mitigate
(21) Dupe
(22) Accord
(23) Dogmatic

There were 8 questions in the paper based on pictures. 8 pictures were shown in which something was missing in each picture. you have to find out what is missing among 20 choices.

Answer : PICTURE MISSING

24. India map	Gujrat
25. Woman with specs.	Nose bridge
26. Shirt	Button
27. Tree	Twig
28. Sun	Birds or Shadow
29. woman and child	foot prints
30. side face	eyebrows
31. Girl	-----?

32. There were 4 questions on series of pictures in order to make a story.

you will get understand when you will see these.

33. 6 questions were on block filling. these are easy questions. you should attempt it.

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CTS 98

IIT MADRAS

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analogies

- 1. slur : speech
- ans: smulge : writing (choice is B)
- 7. cpahlet : shoulder
- ans: ring : finger (choice is C)
- 8. vernanlar : place

ans: finger print : identical (choice is B)

opposite

9. emaciated

ans: emaciated (choice is D)

10. officious

ans: pragmatic (choice is D)

11. dextrous

ans: clumsy (choice is B)

12 -14: each sentence is broken to four sections a,b,c,d. choose which has mistake mark (e) if you find no mistake.

12: a) psychologists point out that b) there are human processes
c) which does not involve d) the use of words
(choice is A)

13: a) Jack ordered for b) two plates of chicken c) and a glass d) of water

(choice is A)

14: a) politics is b) (choice is A)
(are)

16 - 20: each question of group of questions is based on a passage or a set of conditions for each question, select the best answer choice given.

(i). if it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law the agreement is void.

(ii). if it is of the nature that, it would defeat the provision of any law is the agreement is void. if the object of agreement is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). if the object of agreement is fraudulent it is void.

(iv). an object of agreement is void if it involves or implies to the personal property of another.

(v). an object of agreement is void where the contract regards as ignored.

(vi). an object of agreement is void where the constant regards is as opposed to public policy.

17. A,B,C enter an agreement for the division a many them of gains
acgest
or by be acquit by them by them by the argument is void as
ans: ---- (choice is D)

21-25) An algorithm follws a six step process za,zb,zc,zd,ze,zf, it i
s

governed by follwing

(i) zd should follw ze

(ii) the first may be za,zd or zf

(iii) zb and zc have to be performed after zd

(iv) zc must be immediately after zb

21) ans:- D

22) if za the first set zd must be

a) 3rd b)5th c)2nd d)4th ans:- A or D (probably a)

23) zf can be 3rd or 5th-----any of the six, first, second or forth
only,

any of first four only

none these

ans:- B

24) if zb must follw za then a)za can only 3rd or fourth

b) first or second c) can not be third d) fouth or fifth e)none

ans:- A

25) ze is third term the no of diff operations possible is

ans:- D (dabad)

26-31) ravi plans six sep-- x,y,z,w,u,v in rows no 1 to 6 ,according
to the

follwing conditions

he must plant x before y and u

he must plant y " w

the 3rd has to be z

26) which could be in order

a) xuywzv b) xvzyuw c) zuyxwv d) zvxuw y e) wyzuvx

ans:- B

27) which is true

a) z before v b) z before x c) w before u d) y before u

e) x before w

ans:- D

28) if he plans v first which is second

x,y,z,w,u

so ans is 'x'.

choice is A.

29) which is true

a) x,3 b)y,6 c)z,1 d)w,2 e)u,6

ans:- E

30) if he plans b 6th which would be first and second

a) x and w b) x and y c)y and x d)w and z e) w and u

ans:- B

31) if he plans w before u and after v he should plan w at

a) first b)second c)fourth d)fifth e)sixth

ans:- D

32)thursday

33)a&d

34)south hit

35)

36)at a certain moment a watch shows 2 min lag although it is fast.if it

showed a 3 min lag at that moment ,but gain 1/2 min more a day than it does.

it would show the true time one day sooner than it usually does .how

many

mins does the watch gain per day.

a).2 b).5 c).6 d).4 e).75

ans : e

---->(discount problem) 20%->15%then->32% (ans:32%)

37)in 400m race a gives b a start of 7 sec & beats by 24m.in another race

a beats by 10 sec.the speeds are

a)8,7 b)7,6 c)10,8 d)6,8 e)12,10

ans:c(10,8)

38)3x+4y=10

x cube+y cube=6

minimum value of 3x+11y=?

ans=?

39)0.75

40)-

41)sink---7.7kms--->

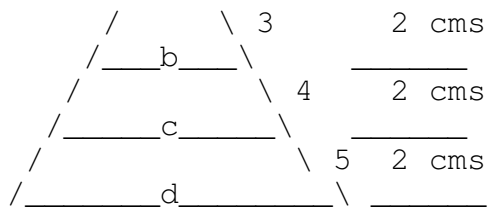
fills 2 1/4 t is 5.5 min. 92 tonnes enough.. sink throws out 18 tonnes/hr.

avg. speed to

a)1.86 b)8.57 c)9.4 d)11.3 e)10.7

42)

$$\frac{\cdot}{\frac{1}{a}} \cdot 2 \quad \frac{\quad}{\quad} \quad 2 \text{ cms}$$



area of the d=50 cm square
what is the area of the b=?

ans=(10.7)

43) 600 tennis players

4% -> wrist band on one wrist
of remain 96% -> 25% -> on both hands
remain no of --- (ans: 312)

44) 312 (doubt) or 432

45) in how many ways 5e, 6s, 3f be arranged if books of each language are

to be

kept together
17, 64800, 90, 58400, 3110400
ans: $e(3! * 5! * 6! * 3! = 3110400)$

46) ---

47) three types of the a, b, c costs Rs. 95/kg, 100/kg & 70/kg . how many

kg of

each be blended to produce 100 kg of mixture worth Rs. 90/kg, gives
that

the quantities of b & c are equal
a) 70, 15, 15 b) 50, 25, 25 c) 60, 20, 20 d) 40, 30, 30
ans: b

48) water milk problem

49) $x+y+z=w$

q) two distinct no's are taken from 1, 2, 3, 4, ..., 28

a) probably that the no is 6 --> $1/14$

b) probably that it exceeds 14 --> $1/28$

c) both exceed 5 is $3/28$

d) less than 13 --> $25/28$ (24/28)

e) none

ans: d

51) 1200 died 6

due to acc 7

55) 170%

56) c