Mond

PARTICULARS TO BE FILLED IN BY THE CANDIDATE

-	distance of the		,,,,,
NN	H	Q	
			(

**Ouestion Booklet Number** 

Maximum Marks: 85

Signature of the Candidate

Name of the Candidate

Application Number

Name of the Centre

Roll Number

Centre Code

Date of the Test

Test Disation 02 hours

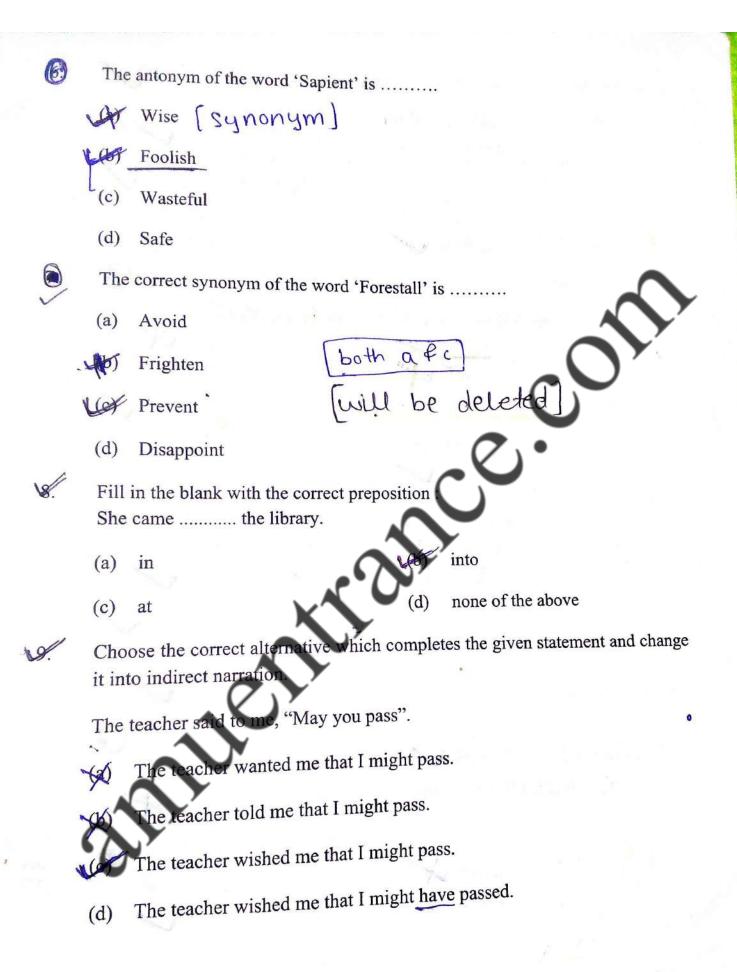
## INSTRUCTIONS

Khalid

- Complete all entries on the cover page and put your signature in the provided.
- Use only Ball Point Pen (black / blue) for making entries the Question Booklet and the OMR Answer Sheet.
- The Question Booklet consists of 24 pages (including cover sneet) and contains a total of 85 questions (25 questions in Section-I and 60 questions in Section-II). Count the number of pages and questions before attemption the questions. Discrepancy, if any, must immediately be brought to the notice of the heighbor.
- The Test duration as specified above shall reckoned from the moment of distribution of the question booklets.
- 3. Blank space in the Question Broklet may be used for rough work.
- 4. Each question is followed by four alternative answers. Select only one answer, which you consider as the most appropriate. Shade the relevant circle against the corresponding question number on the OMR Answer Sheet. Selecting more than one answer for a question, even if one of the selected answers is correct, would result in its being treated as an incorrect answer.
- Answers should ONLY be marked on the OMR Answer Sheet. No answer should be written on the Question Booklet.
- 6. The candidate is required to separate the original OMR Answer Sheet and its carbonless copy at the perforation carefully after the Admission Test. He / She shall handover the original OMR Answer Sheet and the Admit Card to the Invigilator before leaving his/her seat and take with him/her the carbonless copy of the OMR Answer Sheet and the Question Booklet.
- 7. Failure to handover the original OMR Answer Sheet and the Admit Card will lead to cancellation of the candidature.

## Section-I

W.	W	ork hard lest you fail.			
	(a)	might	(b)	could	
	(c)	may	(d)	should	
•	Ве	careful what you do.			
	Lay	with	(b)	by	0
	(c)	in	war	to	9
0	Th	e passive of "Who teaches you Er	nglish?"	' is :	0
	4	By whom you are taught English	sh.		
	w	By whom English is taught to y	/2L (		Ewill be deleted
	(c)	Who taught you English.	'em'	c,]	And the state of t
	(d)	Whom do you teach English by	7		
1.	The	e indirect narration of "He aid to	me, do	you kno	w me ?"
	Var	He asked me whether I knew h	im.		
	(b)	He enquired if I know him.			
	(c)	He asked me that if I knew him	1.		n ieum ight en filigen in bail da da is lean, mareann
	-6	He said to me if I knew him.			
-	TV	word with correct spelling is:			
9					former dettie ty altion
M	(a)	Affedevit (Class	6 pone	vious	year)
	ap	Andevit			Indigite all paretial
	(c)	Affdevit			
1	Sel	Affidavit			



الله نظم" ديوالي كردي جل" كثاعركاكيانام ي (a) روش صد تقی مستحمل ركهويق سبائے فراق گور كھپورى (b) علامها قبال (d) حفيظ جالندهري مركم "شاعر شرق"ك كوكهاجاتاب؟ (a) فيقَلَ (b) زوق مطحلا علامدا قبال صندرجه ذیل شعرین خورشید کی پلکین کے کہا گیا ہے؟ اور ہر جمع کو پیکھیل رچا جاتا ہے ان کوخورشید کی بلکوں سے چناجا تا ہے۔ تخطيكا شعاعول كو کلکا شینم کو (b) علوم = No Val بمملا قرة العين حيدر بندرجہ ذیل میں ہے کون ی کتاب ہے؟ (a) كَتِ كُل فروش By آگکادریا مرتعك دامان باغبال (d) میرے بھی صنم خانے محمل<sup>.</sup> لفظ ﷺ وتاب كامعنى كياہــ (a) خوف کھانا مرحك بقراربونا ا حروف جار كيتي بين: (a) وه لفظ جس پراضافت کازیرآتا ہو۔ سے دولفظ یا دوجملوں کوجوڑنے والے الفاظ کو۔ (d) جس لفظ کے مختلفہ اول" اختر النسابيكم" كتف سال كاعمر مين لكها كيا: كالم تيره سال (a) بارهمال محمل چوده سال (d) بندره سال

ि निम्नलिखित पंक्तियां किस किव द्वारा रिचत हैं ? किव का नाम बताइये : "पुष्प-पुष्प से तंद्रालस लालसा खींच लूँगा मैं, अपने नव जीवन का अमृत सहर्ष सींच दूँगा मैं"

💓 सूरदास

**४** सूर्यकांत त्रिपाठी 'निराला' √

🕠 🕅 नरोत्तम दास

🕱 जया जादवानी 📈

ि निम्नलिखित पंक्तियों में कौनसा अलंकार होगा? ''व्योम को छूते हुए दुर्गम पहाड़ों के शिखर ।' वे घने जंगल जहाँ रहता है तम आठों पहर ।।''

🎶 मानवीकरण अलंकार

अतिशयोक्ति अलंकार

- (c) उत्प्रेक्षा अलंकार
- (d) रूपक अलेकार

20. जिन शब्दों में लिंग, वचन, कारक आदि के कारण कोई परिवर्तन नहीं होता वे क्या कहलाते हैं ?

- (a) क्रिया कहलाते हैं ।
- (b) वचन कहलाते हैं ।
- अव्यय कहलाते हैं ।
- (d) वाच्य कहलाते हैं ।

			~	
थ्रा. बाबा भारती कौनसा भेद	का <u>सफेद</u> घोड़ा दौड़ है ?	रहा था	– इस वाक्य में	विशेषण व
(a) परिणाम	बोधक विशेषण			
(b) संख्यावा	चक विशेषण			
🏈 गुणवाचव	क विशेषण			
(d) सार्वनामि	तक विशेषण			2
<i>्र</i> 22. 'ऑंख का अव	धा नाम नयनसुख'	लोकोक्ति	का क्या अर्थ है (	,
(a) गुण के	विरुद्ध नाम का होन	П		
🙀 ऑंख की	रोशनी जाना			
(c) नामकरण	करना	~	٧.	
(d) संतुष्ट हो	ाना 🗸	~		
23. 'प्रेमचंद के फरे	टे जूते' रचना के रच	नाकार के	गैन हैं ?	J
(a) श्यामाचर	ग दुबे	(b)	हरिशंकर परसाई	
(c) प्रेमचंद		(d)	कृष्णा सोबती	
्र24. 'नरोत्तम दास'	किस काव्यधारा के	कवि थे	?	
(a) रामभक्ति	काव्यधारा	(b)	रीतिकालीन काव्य	धारा
्राज्य काव	यधारा	(d)	इनमें से कोई न	हीं ।
्रीतः 'आवधान' का र	सही सन्धि-विच्छेद है	<del>-</del>		
(a) साव+धान		(b)	सा+वधान	1
(c) स+आवधान	г	<b>(</b> d)	स+अवधान	
NNHO	6			

## Section-II

26. Asteroids are found between the orbits of:

- Mars and Jupiter
- (b) Earth and Mars
- (c) Earth and Venus
- (d) Jupiter and Saturn

Which of the following statement is not true?

- (a) Friction can be reduced by converting sliding friction into rolling friction.
- (b) Friction in air and water can be reduced by streamlining the shape of the object.
- (c) A polished surface will have less friction.
- Friction can be reduced to zero

The planet which takes the least time to revolve around the Sun is:

Was Mercun

(b) Uranus

Jupiter

(d) Neptune

9.8

The weight of an object will be zero at:

- (a) The surface of the earth
- The centre of the earth
- At 100 km above the surface of the earth
- (d) At 100 km below the surface of the earth

Which of the following is a weedicide?

(a) Urea

(b) 2, 4-D

(c) Cowdung

(d) NPK

31. Sodium and Potassium are stored in Kerosene due to a

Sodium and Potassium are stored in Kerosene due to their

(a) Low Reactivity

- High Reactivity
  - (c) Softness
  - (d) Low Melting point

32. Growth hormone is secreted by ...... gland.

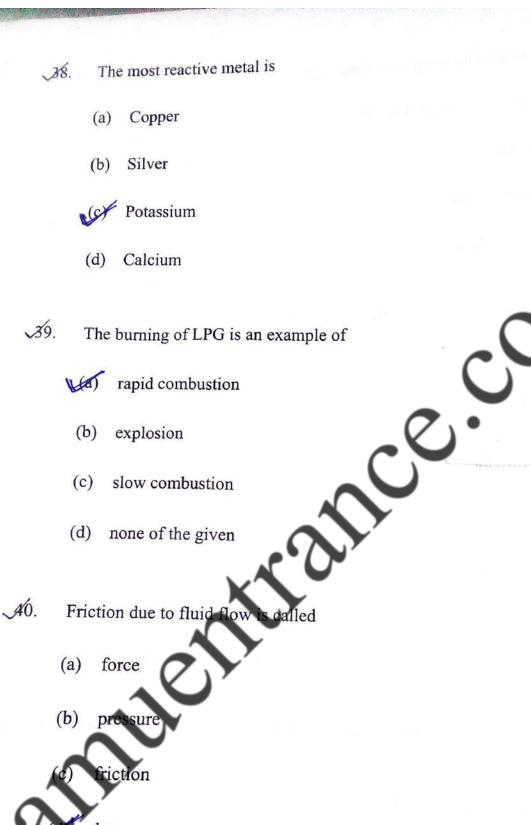
- (a) Thyroid
- (b) Pituitary
- (c) Adrenal
- (d) Pancreas

Minimum audible frequency for human ear is

- (a) 200 Hz
- (b) 2000 Hz
- (c) 20,000 Hz

(a) 20 Hz

		T. R.E. F	March Control
34.	Non	on-metals react with oxygen to form	509
	(a)	Acidic oxide or Neutral oxide	3
	ut	Basic oxide	2
	(c)	Amphoteric oxide	
	(d)	None of the given	ind
<b>3</b>	Whi	nich of the following occurs during lightening?	,:
4	Sp	Acid rain	All
	(b)	Green house effect	5
	<b>(a)</b>	Nitrogen fixation	9
	(d)	Smog	
36.	The	e pores in the bread is due to gas bubbles of	
	(a)	Oxygen (b) Nitrogen	
	Ser	Carbon dioxide (d) Nitrogen dioxide	
31.	The	e process by which dead remains of plants and animals are decomposed into	
1		rogen is called	
~	(a)	Desertification	
C	(b)	Deamination	
	NAS	Nitrification	
	(d)	Amination [P.T.O.	
NNH	Q	9	



-lication Number

the c

klet (

ion in the

nave guit s fir uest ion stio n

M.	Iden	tify the subst	ance which i	is tough, poro	us and blac	ck. It is almost	a pure
	TOTH	of carbon					
	(a)	Crude oil		(b)	Coal tar		
	(c)	Coal gas		Las	Coke		
\ú2.		increase in ming?	concentration	n of which g	as is not r	responsible for	Global
	(a)	Nitrogen				0	<b>Y</b> N
	40	Methane				0	
	(c)	Carbon diox	ide •		-0	•	
	(d)	Sulphur diox	xide				
¥3.	Whi	ch of the foll	owing technic	ques of irrigati	ion should b	e used to save	water?
	(a)	Canal irriga	tion 🗡				
	SO	Drip irrigati	04	)			
	(c)	Lift irrigation	n				
	(d)	Water Whee	el				
						Au 1	1
1	Whi	le baking cak	es, yeast mu	ltiplies rapidly	y and produ	ces gas	
	(a)	Hydrogen		(b)	Nitroger	1	
	(c)	Oxygen		Jeth	Carbon	dioxide	
	100 mm 1						(P.T.O.

Cb.\_

48.	Wh	nich of the following metals cat	ch fire on re	action with air ?	
	(a)	Magnesium			
	(6)	Sodium			
	(c)	Calcium			
	(d)	Aluminium			2
46.	San	ne kind of plants grown and cu	ltivated on a	large scale at a place	is called
	(a)	weed			
	W	crop			
	(c)	herb	C		
	(d)	shrub			
A.	Poly	ymers are made up of small un	its called		e
	(a)	layers			
	(b)	molecules			
	(c)	cells			
1	500	monomers			
as.	Whic	ch gas is evolved when magn	esium reacts	with dilute hydrochle	oric acid?
	(a)	Carbon dioxide	(b)	Nitrogen	
	(c)	Oxygen	Lety	Hydrogen	
NINIHO			12		

The lowest temperature at which a substance catches fire is called its 49. absolute temperature (a) critical temperature (b) super temperature ignition temperature External fertilization is not found in 50. Hen (b) Fish (c) Frog (d) 151. Which of the following statement is not correct friction acts on both the surfac static friction is less than sliding friction rolling friction is less than sliding friction FIXFIXF reduced (d) friction can The device used to test the charge on an object is: 52. lightning conductor galvanometer ammeter (c) (d) electroscope [P.T.O. 13 NNHQ

s called

The impression of an image persists on the retina for about : 53.

$$\left(\frac{1}{16}\right)^{\text{th}}$$
 of a second

- (b)  $\left(\frac{1}{24}\right)^{th}$  of a second
- (c)  $\left(\frac{1}{20}\right)^{th}$  of a second
- (d)  $\left(\frac{1}{60}\right)^{th}$  of a second



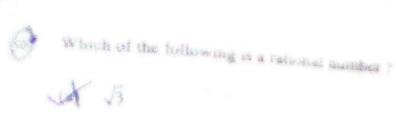
- The junction of optic nerves and the retina in the eye is called:

  (a) yellow spot

  (b) choroid

  blind spot 54.

  - blind spot
    - (d) pupil
- Which amongst the following is responsible for acid rain?
  - NO2 and CO2
  - CO and CH<sub>4</sub>
  - NO<sub>2</sub> and SO<sub>2</sub>
  - SO<sub>3</sub> and NO<sub>3</sub>



14 J3 +3

0 113513513

0.573057300573

If a polyhedron has 6 vertices and 12 oliges. What is if has ?

- (4) 6
- ( lar) 4
  - 141 12
  - (d) 18

right, longth and width so 20 on, 17 on and 10 on If a subordal total earthus area or 1 = 15

1 100 cm

7 1400 cm

2 (16+6h+1h) 5 (12410+10130+3111 / 30 2 [150 + 200 + 300] Q × 650 1300

PIN

A straphorpus allows 200 off in the tracked pass of goods and tall you a provide of 27%, when is the solvent over to have of an article with insultant from 38- mil [12-81] Ka HAD?

AF - 5 - 4 - 2 6

- Jay 80, 136
  - (b) Rs 140
  - May 127
  - (d) Au 1607

The num of the measures of the sectorest angles of Legally becongen as

(a) 1907

(b) 7209 (30)

- (4)
- (13)
- 441"
- che y hear"

have the same area. The artis of the agrees is 4 cm. If hombus a form has to smith it the other disperse

- 15 000
- 24 cm (4)

- 5x5 = 1 xd, xd;
  - Ark = LyArds
    - - 18 : da)

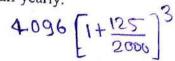


Find the compound interest which Rozy will get on Rs. 4096, if she gave it for 18 months at 12.5% per annum, interest being compounded half yearly.













Find the value of  $(5a^2) \times (-10ab^2) \times (-2.1a^2b^2)$  for a = 1 and  $b = \frac{1}{2}$ .

(a) 107

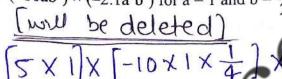


(a) 
$$\frac{107}{32}$$

(b) 
$$\frac{109}{32}$$

$$\sqrt{6}$$
  $\frac{105}{32}$ 

(d) 
$$\frac{32}{105}$$



$$x = 10 \times 1 \times 4.7 = 10$$
  
 $x = 10 \times 1 \times 4.7 = 10$   
 $x = 10 \times 1 \times 4.7 = 10$   
 $x = 10 \times 1 \times 4.7 = 10$   
 $x = 10 \times 1 \times 4.7 = 10$   
 $x = 10 \times 1.7 = 10$   
 $x = 10 \times$ 

$$\frac{1}{10} \times \frac{-21}{10} \times 1 \times \frac{1}{4}$$

If 15 added to the square of a number is 6 less than the square of its successor. V64.

Then, the number is

g contains 5 red, 8 black and 7 white balls. One ball is chosen at random,

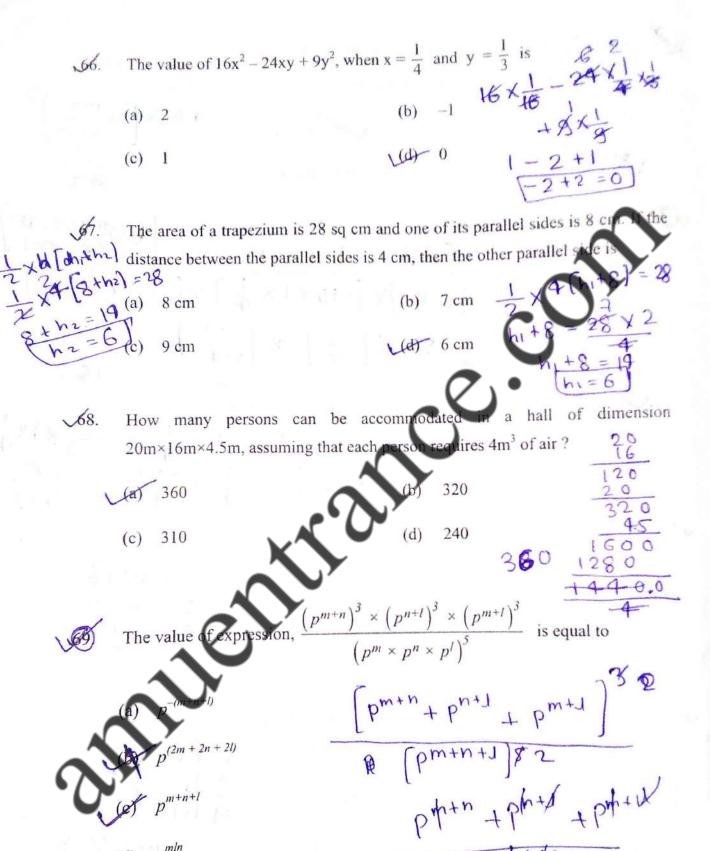
the probability that the chosen ball is not black is:

(a) 
$$\frac{2}{3}$$

$$(e) \frac{3}{5}$$

(b) 
$$\frac{2}{5}$$

(d) 
$$\frac{1}{3}$$

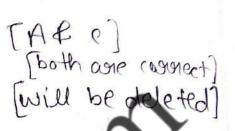


18

NNHQ

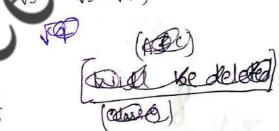
10. Which one of the following is a true statement?

- 0 is the addition identity for natural number
- Every rational number has its reciprocal
- Integers are closed for subtraction
  - Real numbers are closed for division



71 The value of

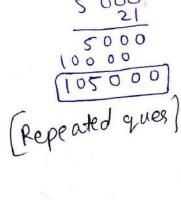
$$\left(\frac{1}{\sqrt{9}-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-\sqrt{4}}\right)$$
 is



If principal = Rs. 100000, rate of interest = 10% compounded half-yearly, then amount after

- 205000
  - 95000 (d)

b=100000
R = 10%
T = 6 month 1
100 000 [1+10
10000 V21
105000



- 73. The digits of a two-digit number differ by 3. If the digits are interchanged, and the resulting number is added to the original number, we get 143. What is the original number? 9.3 6 = 3
  - (a) 36

(b) 76

(c) 85

- (d) 89
- $\sqrt{4}$ . The value of  $(\sqrt{18225} + \sqrt{182.25} + \sqrt{1.8225} + \sqrt{0.018225})$  is
  - (a) 1.49985

- (b) 14.9985
- [Repeatedges]

(e) 149.985

(d) 1499.85

The height of two right circular cylinders are same. Their volumes are  $16\pi \text{m}^3$  and  $18\pi \text{m}^3$  respectively. The ratio of their base radii is

- 4:9
  - 16:81

- OF 9:4
  - (d) 2:3
- [will be deleted]

n=h

- 16. Which of the following relationship is named as Euler's formula:
  - (a) F + E = V + 2
    - V + E = F + 2
  - F+V=E+2
  - (d) F + V = E 2

[Repeated ges]

Find the smallest number by which the number 2401 must be divided to obtain VI. a perfect cube:

(a)

(c)

78. Sum of the digits of a two digit number is 9. When we interchange the d is found that the resulting new number is greater than the original number by 27. What is two digit number?

63 (a)

45 (c)

, 5<sup>100</sup> and 4<sup>200</sup> Which is having the largest value 2 30 3

- 5<sup>100</sup>

11th enterance

If  $a = \sqrt{2} + 1$  and  $b = \sqrt{2} - 1$ , then the value of  $\frac{a^2 + ab + b^2}{a^2 - ab + b^2}$  is V80.

- $\frac{3+1+3}{3^{4}-1+3} = \frac{1}{5} \frac{(a+b)^{2}}{(a-b)^{2}} = \frac{\sqrt{2}+1+\sqrt{2}+1}{\sqrt{2}+4\sqrt{2}-\sqrt{2}-1}$

7 = h  $78h = \pi8h \frac{18^{2}}{189} = \frac{168}{189}$ NNHQ  $\frac{18}{18} = \frac{16}{189} = \frac{16}{189}$ 

- 8 men can do a piece of work in 10 days. How long will 10 men take to complete the same work?

- 12 days (a)
- 8 days
  - 7 days (c)
  - 6 days (d)

- The polynomial  $2x^3 5x^2 + mx + n$  is divisible by  $x^2 4$ , if 82.
  - (m, n) = (2, 3)
  - (m, n) = (8, -20)
    - (c) (m, n) = (-8, 20)
    - (d) (m, n) = (4, 7)

2×8

(a)  $16 \frac{a^3}{100}$ 

- 4-3+5 x a-5+8 x b-4-3

 $\frac{16 \ a^{3}}{4^{-3+5} \times a^{-5+8}}$   $4^{2} \times a^{3}$   $5^{-3}$ 



- The dimensions of a room are  $10m \times 8m \times 6m$ . The cost of white washing the 4 walls of the room at rate of Rs. 15 per m<sup>2</sup> is
  - (a) Rs. 2300
  - (b) Rs. 7200



(d) Rs. 5240



2(1+b) x h 2(80) x6 2x80x6 960x

4800

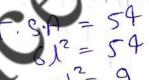
- What will be the total surface area of the figure so formed?
  - (a)  $54 \text{ cm}^2$

3)

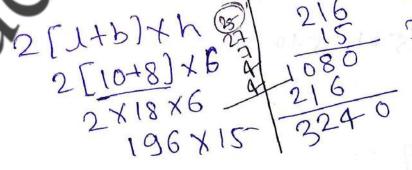
-64

(b) 108 cm<sup>2</sup>

(d) 180 cm<sup>2</sup>



2(16+6h+1h) 2[18+9+18]



980