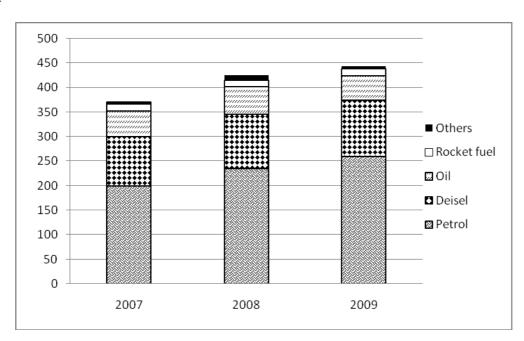


CAT MOCK TEST PAPER

SECTION – I Number of questions: 30

DIRECTIONS *for questions 1 to 3:* The following data corresponds to the production of major fuels at a petroleum company. The data is for three years, and is in '000 tons. Answer the questions below using the graph.



- 1. What is the average growth rate in production of petrol over the given time period?
 - 1. 10%
- 2. 13%
- 3. 15%
- 4. 18%
- 2. Which year saw the highest increase in the total production and by how much?
 - 1. 2008, 13%
- 2.2008,6%
- 3. 2009, 13%
- 4. 2009, 6%
- 3. In which year was the proportion of petrol the highest?
 - 1.2007
- 2.2008
- 3.2009
- 4. None of these

DIRECTIONS *for questions 4 to 6:* Each question below is followed by two statements marked I and II. As your answer,

- Mark 1, If the question can be answered by using information contained in any one statement alone, but not by the information contained in the other statement alone;
- Mark 2, If the question can be answered by using the information contained in either statement alone;
- Mark 3, If the question can be answered by using the information contained in both statements together; and,
- Mark 4, If the question cannot be answered even by using the information contained in both statements together.

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- 4. Three integers are written on a board from left to right. The first, second and third integers are p, q and r respectively. Which is the largest of these integers?
 - I. 5 times the first integer equals 3 times the second integer, 16 times the second integer equals 15 times the third integer and 16 times the first integer equals 9 times the third integer.
 - II. The product of the three integers is greater than the square of the second integer.
- 5. What is the value of positive real number P?
 - I. P < 10 is not a prime number and P^2 and P^3 each have their sum of digits equal to P or a multiple of P.
 - II. P < 15 is a prime number and the values of P^2 and P^3 each have the digit 1 appearing more than once.
- **6.** Each of the angles of \square PQRS has a different measure and none of them is a right angle. Which is the second smallest side of \square PQRS?
 - I. PQ/3 < QR/4 and QR/2 < RS/3.
 - II. PQ/3 < PS/6 and RS/4 < PS/3.

DIRECTIONS *for questions 7 to 11:* The following is the tariff plan for a local courier service based in Iowa. They have 4 types of service, depending on the time it takes to deliver from spot A to Spot B.

Table				
1:				
Zones				
and				
rates				
Zones	Direct Immediate	Rush (1 hr)	2 hr	Std (3 hr)
A	\$16.38	\$9.79	\$8.86	\$8.59
В	\$16.38	\$10.56	\$9.75	\$9.47
C	\$16.38	\$11.73	\$10.77	\$10.50
D	\$16.38	\$13.10	\$12.01	\$11.65
E	\$16.38	\$14.79	\$13.44	\$12.95
F	\$19.10	\$16.44	\$15.00	\$14.47
G	\$21.84	\$18.49	\$16.84	\$16.22
H	\$24.57	\$20.81	\$18.95	\$18.21
I	\$27.30	\$23.48	\$21.36	\$20.48
J	\$30.04	\$26.61	\$24.15	\$23.13

Table 2. Division of city as per zip code

	50309	50310	50311	50312	50313	50314	50315	50316	50317	50320	50321	50322
50309	A	Е	D	D	Е	С	D	D	Е	Е	Е	F
50310	Е	A	D	Е	F	D	Н	F	Н	Н	Н	Е
50311	D	D	A	C	Е	D	Е	Е	Н	Н	Е	Е
50312	D	E	C	A	F	E	Е	Е	Н	Н	Е	Е
50313	Е	F	Е	F	A	D	Н	D	F	Н	Н	Н
50314	С	D	D	Е	D	A	F	C	Е	F	F	F



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1. \$0.53

50315	D	Н	Е	Е	Н	F	A	G	Н	Е	Е	Н
50316	D	F	Е	Е	D	C	G	A	E	G	G	Н
50317	Е	Н	Н	Н	F	Е	Н	Е	A	Н	Н	J
50320	Е	Н	Н	Н	Н	F	Е	G	Н	A	Н	J
50321	Е	Н	Е	Е	Н	F	Е	G	Н	Н	A	Н
50322	F	Е	Е	Е	Н	F	Н	Н	J	J	Н	A

The standard service guarantees a delivery time of 3 hours, while the rush service has a delivery time of 1 hour. There is one service in between which is a 2 hour service, and the super fast direct delivery, which is immediate. They have divided the city in zones based on the zip codes as given in table 2. To review the rate, determine the assigned area by matching zip code to zip code.

	,	2	2	0 1			
7.	Jack stays at zip code	50314 and wan	its to send	d a package t	o 50321. H	ow much extra wo	uld he
	have to pay if he want	s the packet to	reach in 2	2 hours as co	mpared to t	he standard service	e?

3. \$1.97

4. \$4.67

- 8. Sally sends Jack a packet from 50312 to 50314, using the Rush service. If Jack is to spend the same or less using the Rush service, how many different places can Jack send that packet?
 - 1.4 2.5 3.6 4.8

2. \$1.44

- **9.** Paul has a packet and has only \$10.00 with him. How many of the combinations of the points in the cities can he use?
 - 1. 12 2. 15 3. 13 4. 14
- **10.** Steven has \$20.00 with him that he can spend. How many combinations of *sending-receiving* cities are possible in this budget?
 - 1. 140 2. 146 3. 158 4. 152
- 11. Joe is at point 50315. Jerry has to send him a packet, which needs to reach Joe by 1 pm. Jerry would be at home (at zip code 50317) till 10 am, after which he will go to office (at zip code 50322). He takes 1 hour to drive to office, travelling through zip code 50312, which is halfway between his home and office. Which would be the cheapest option for Jerry to send the packet?
 - Standard from home
 Standard from office
 Standard from mid-way
 Pours from mid-way

DIRECTIONS for questions 42-51: Answer the following questions as per the best of your judgment.

- 12. A square plot of side 300 metres is divided into a pentagon and two congruent trapeziums by joining the centre of the square plot with the mid-point of one side and two other points on the adjacent sides. If the areas of each of the regions so formed are equal, what is the length of the longer of the parallel sides of the trapezium?
 - 1. 225 m 2. 180 m 3. 250 m 4. 150 m
- 13. A bag containing 6 balls, has at least one blue and at least one white ball. It is not known whether the bag has balls of any other colour/s. Two balls are drawn at random and it is found that one ball



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is blue and the other is white. What is the probability that the bag contains 3 blue and 3 white balls?

	1. 12.5%	2. 6.66%	3. 50%	4. 33.33%
14.		s of three positive integers evalue of $a^2 + b^2 + c^2$?	ers a , b and c is also a p	erfect square. Which of the
	1. 15625	2. 28561	3. 33049	4. 10000
15.		begins with the numbe What is the last digit of		d by two consecutive digits is
	1.3	2. 9	3.6	4. 2
16.	Which of the following	g will yield a remainder	of 7 when divided by 9	?
	1. 112 ¹⁹⁷⁴	2. 61 1976	3. 148 ¹⁹⁸¹	4. 83 ¹⁹⁷⁸
17.		eal numbers such that a $g_b ca)^5 + (log_c ab)^5$. The		
	1. <i>S</i> □ 32	2. <i>S</i> □ 48	3. <i>S</i> □ 64	4. <i>S</i> □ 96
18.	College of Engineering the college on time. At office. He turned back	g. He left his office and fter travelling half the di immediately and increa al speed, by what perce	istance, he realised that used his speed by 50% a	The at the Cummins eed so that he would reach he had left his laptop in nd reached his office. As ase his speed so that he still
	1. 200%	2. 500%	3. 300%	4. 400%
19.	chocolates with any tw	o of them is 225. If the	•	the product of the number of of chocolates with the three ed?
	1. 45	2. 65	3. 90	4. 135
20.	counting from 1 initial eliminated, and the las	ly, in succession, every	second one is removed nner. If contestant numb	bered from 1 to P. Starting from the contest and per 25 wins eventually, and P
	1.3	2. 1	3. 2	4. 4
21.	In \square XYZ, \square YXZ = 9	$00\Box$, XY = 15, YZ = 25	and $XZ = 20$. A perpen	dicular, XA, is dropped from

vertex X on to hypotenuse YZ and divides \square XYZ into two right triangles. Again, perpendiculars



are drapped from vertey Λ on to hypotenuse XZ and hypotenuse XV to divide \square X Λ Z and \square

	XAY into two right triangles each. This process is repeated once more. Including the original triangle, what is the sum of the perimeters of all the triangles formed?						
	1. 164.64	2. 426.24	3. 196.35	4. 261.6			
Ravi that a heigh	third of the height of that 1/4 of its diameter, surn	er for a biogas plant on a ne digester is below gro	und. The digester is in trical dome and has volu	nensions 28.8 ft. □ 15.7 ft. so he form of a cylinder, with me 792 cu. ft. The earth that			
22.	The depth of the hole of	dug in the field is what p	percent of the total heigh	ht of the digester?			
	1. 16.66%	2. 33.33%	3. 25%	4. 66.66%			
23.	If the cost of digging is	s 112 / cu. ft., how much	h money does Ravi sper	nd?			
	1. 38,016	2. 6,336	3. 9,504	4. 28,512			
24.		med by using the digits are sum of all the integer		actly once. What is the sum of			
	1.0	2. 5	3. 10	4. 15			
25.	If 10-Nov-2007 is a Sa	turday, then which of the	ne following is also a Sa	nturday?			
	1. Mar 14, 2008	2. Mar 15, 2008	3. Mar 16, 2008	4. Mar 18, 2008			
26.	office and then walks the streets in the rectan	o a supermarket located ngular pattern are availa	12 blocks east and 4 bloble to him for walking a	This home. He reaches his ocks north of his home. If all and he always takes the ouse to the supermarket via			
	1. 6435	2. 810810	3. 1890	4. 293930			
27.	Which of the following	g will not leave a remain	nder of 13?				
	1. $11^{1040} \square 18$	2. $13^{3885} \square 16$	$3.\ 24^{6047}\ \Box\ 38$	4. $16^{2661} \square 23$			
28.	In the 21st century, what than 31 days?	at is the total number of	days of the months wit	h more than 28 days and less			
	1. 30,000	2. 36,525	3. 30,696	4. None of these			

In a regular n-sided polygon, where n is even, what is the number of diagonals which have length **29.** less than the length of the longest diagonal?

$$1 \frac{n^2 - n}{2}$$

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$$\frac{n^2-3n}{2}$$

$$\frac{n^2-4n}{2}$$

$$4 \frac{n^2 - 5n}{2}$$

- A box contains n chips numbered 1, 2, ..., n. One by one, n chips are removed at random from the box and the numbers on them are noted. E_1 is the event that the n chips are removed without replacement and E2 is the event that the chips are removed with replacement. P1 and P2 are the probabilities that the numbers on the chips removed in E₁ and E₂ respectively follow the sequence 1, 2, ..., *n*. Then,

 - 1. $P_1 > P_2$ 2. $P_2 > P_1$ 3. $P_1 \square P_2$ 4. $P_2 \square P_1$

SECTION – II No. Of Questions - 30

DIRECTIONS *for questions 1 to 4:* Five friends, Amol, Mandar, Piyu, Shashi and Reena attended Sagar's birthday party, where they partook of the sumptuous snacks and dinner. Each of the five friends gifted Sagar a different article – a fountain pen, a cell phone, a shirt, a jacket and an I-Pod – and Sagar, in return, gifted each of them a different article – a video game, a sweater, a perfume, a calculator and a pair of sunglasses. The following is additional information about the gifts given by the friends and the gifts received from Sagar.

- Amol gifted the shirt and received the video game in return.
- Shashi did not gift the I-Pod but received the perfume in return.
- Mandar did not gift an electronic item and received the calculator in return.
- The person who gifted the jacket received the sweater in return and Reena received the pair of sunglasses.
- **31.** Who among the following gifted the jacket?
 - 1. Mandar
- 2. Shashi
- 3. Reena
- 4. None of these

- **32.** Which of the following statements is true?
 - 1. Two of the friends who did not gift electronic items, received electronic items in return
 - 2. Piyu gifted the jacket and Shashi gifted the I-Pod
 - 3. Shashi neither gifted nor did he receive an electronic item
 - 4. The person who gifted the cell phone received the calculator in return
- **33.** Which of the following is the correct combination of friend, article gifted and article received in return?
 - 1. Piyu Fountain Pen Sunglasses
- 2. Shashi I-Pod Perfume
- 3. Reena I-Pod Sunglasses
- 4. None of these
- **34.** Which of the following is false?
 - 1. Only one friend whose name does not start with a vowel, received an electronic item in return
 - 2. The friend whose name appears last in alphabetical order, gifted an electronic item and received a non-electronic item in return
 - 3. In alphabetical order, the friend who gifted the I-Pod appears before at least two other friends
 - 4. The friend whose name in alphabetical order appears in the middle neither gifted nor received an electronic item

DIRECTIONS *for questions 5 to 10:* Mark the answer.

- 1. If the item is a Major Objective in making the decision: that is. One of the outcomes or results sought by the decision maker.
- 2. If the item is a Major Factor in making the decision that is, a consideration, explicitly mentioned, in the passage, that is basic in determining the decision.





- 3. If the item is Minor factor in making the decision; that is a secondary consideration that affects the criteria tangentially, relating to a Major Factor rather than to an objective.
- 4. If the item is a Major Assumption in making the decision; that is, a supposition or projection made by the decision maker before weighting the variables

Business Situation

Dr. Goodrich, an upcoming practitioner in Hailey Street, Heartville, felt he needed more room to set up a laboratory next to his clinic. He felt he would invest his savings in buying a few microscopes and lab equipment to set up a new laboratory. A new ceramic factory had come up in the vicinity of Hartville and many families, mainly of those employed in the factory, had taken up residence in the adjoining area. Dr. Goodrich saw a potential increase in his clientele and wanted to cater to this new population. He felt that a small laboratory for testing blood, urine, sputum and other samples would expand his business. The only recourse would be to purchase a small cloth store adjoining his clinic owned by Mr. Terence Hill. This was a small shop, which was already declining due to the advent of a fashionable supermarket down town. Dr. Goodrich felt that Hill would be willing to sell his store at reasonable terms, and this was very important since after the setting up of his new laboratory, he would have very little capital to invest in the expansion of his clinic.

The following questions consist of items related to the passage above. Consider each item separately in terms of the passage and mark your answer.

35.	increase in child and adult population in Hartville	1	2	3	4
36.	acquisition of property for expanding clinic	1	2	3	4
37.	cost of Hill's property	1	2	3	4
38.	state of the business of Hill's Cloth store	1	2	3	4
39.	quality of lab equipment that Goodrich intends to buy	1	2	3	4
40.	catering to the needs of patients will increase 1 the business	2	3	4	

DIRECTIONS *for the question 11: The question has a set of 4 sequentially ordered statements which can be classified into*

Facts: which deal with pieces of information that one has heard, seen, or read and which are open to discovery or verification (the answer option indicates such a statement with an \mathbf{F}).

Inferences: which are conclusions drawn about the unknown, on the basis of the known (the answer option indicates such a statement with an **I**).

Judgements: which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future (the answer option indicates such a stmt with a **J**).

Select the answer option that best describes the set of four statements.



- A. One result of the relatively low allocation to public health care in India is the development of a remarkable reliance of many poor people across the country on private doctors.
- B. Since health is also an asymmetrical information, with the patients knowing very little about what the doctors are giving them, the possibility of fraud and deceit is very large.
- C. In a study conducted by the Prachi Trust, we found cases of exploitation of the poor patient's ignorance of what they are being given to make them part with badly needed money to get treatment that they do not often get.
- D. We even found cases in which patients with malaria were charged comparatively large money for being given saline injections.

1. IJFI 2. IJFF 3. IIFF 4. JJFF

DIRECTIONS *for question 12:* The question has five statements A, B, C, D and E, which when arranged logically form a coherent sequence. From the options given choose the best sequence.

42.

- A. The general law of telescoped processes is that, if A causes B and B causes C, it will happen in time that A will cause C directly, without the intermediary of B.
- B. Images may cause us to use words which mean them, and these words, heard or read, may in turn cause the appropriate images.
- C. When we understand a word, there is a reciprocal association between it and the images of what it "means."
- D. Also, by a telescoped process, words come in time to produce directly the effects which would have been produced by the images with which they were associated.
- E. Thus speech is a means of producing in our hearers the images which are in us.

1. CBEDA 2. BCEAD 3. CBDAE 4. CBADE

DIRECTIONS *for question 13:* Four alternate ways of writing the sentence are given. Choose the option that provides the most meaningful sentence.

- 43. Women in a hunter-gatherer society had to spend much of their time collecting plant food, while carrying her baby with her she also had to be ready to run or otherwise to protect herself from wild animals.
 - 1. Women in a hunter-gatherer society had to spend much of their time collecting plant food; while carrying her baby with her, she also had to be ready to run or otherwise protect herself from wild animals.
 - 2. Women in a hunter-gatherer society had to spend much of their time collecting plant food, while carrying their babies with them; they also had to be ready to run or otherwise protect oneself from wild animals.
 - 3. Women in a hunter-gatherer society had to spend much of their time collecting plant food while carried their babies with them; she also had to be ready to run or otherwise protect themselves from wild animals.
 - 4. Women in a hunter-gatherer society had to spend much of their time collecting plant food while carrying their babies with them; they also had to be ready to run or otherwise protect themselves from wild animals.





DIRECTIONS for question 14: In the following paragraph, a part of the paragraph is left unfinished. Beneath the paragraph, four different ways of completing the paragraph are indicated. Choose the best alternative amongst the four.

- **44.** Challenge is treated differently by different people. Some people are so afraid of life they accomplish about as much as a cow in pasture does; others thrive on challenges and are constantly looking for new ones. Between the two extremes is the denominator called *common sense*, which should separate the challenges that lead nowhere from those that lead somewhere. After a while you learn that challenge is a part of life --
 - 1. and you learn how to take it in your stride knowing that you will win most of the time, lose some of the time, but become a better man either way for having tried.
 - 2. yet you have to know which challenges to take head on and struggle with; and which ones are better left untouched.
 - 3. accepting everything that comes your way as a challenge is the sure road to failure.
 - 4. everyone survives, including the cow in the pasture; but to thrive you need luck.

DIRECTIONS *for questions 15 to 17: The passage given below is followed by a set of questions. Choose the most appropriate answer to each question.*

The Bug's history is not just the story of a single model of car but a parable of how the things we buy reflect the character of the culture. In some places and times, the Bug wore a self-deprecating mode of the servant, in others the personality of the émigré, the visitor, the friend and adopted guest.

Part of the universality was the car's harmony between the functional and the aesthetic. Its engineering and styling shared a common modesty and cleverness. It crystallized the idea of the universal design with a human face. The bug was a shape, a set of ideas – and a selfish meme.

The word bug has a rich history and aura of meanings. Today a bug is often used to mean a goof up in circuitry, but it also refers to any human obsession. In 1878, Edison used the word bugs to refer to all the "little faults and difficulties" that emerge to dog the inventor as he refines an idea. "It's not a bug, it's a feature" is used to facetiously justify eccentricity in software. But isn't that the nature of evolutionary mutation: that a bug turns out to be a feature? In many ways the Beetle began as an aberration that turned into a triumph.

While we usually think beloved, iconic products grow integrally from the cultures that produce them, the Beetle shows how shifting the culture around a product can change its meanings – and how a product can alter a culture. It is an assumption of most cultural history that artifacts crystallize out of societies as neatly as rock candy out of a warm glass of sugar water. But the Bug suggests that designs, images, and ideas do not remain identified with the cultures that create them. They change as they move from one culture to another and alter the new environments that have altered them. Rolling through history on wheels of irony, the Bug lives a life somewhere between Woody Allen's Zelig and little Oskar, the protagonist of Gunter Grass's novel *The Tin Drum*, and like them, it is a character that has managed to find itself at the center of key moments in history, including the very darkest.

Excerpted from "Bug – The Strange Mutations of the World's most famous automobile" by Phil Patton.

45. Which of the following could the author be implying about the Beetle's presence in the dark moments of history?



- 1. The exploitation of cheap labor that happens at the factories where it is produced.
- 2. The role played by Volkswagen in East Germany, after the unification.
- 3. Its birth in Nazi Germany, mid-wifed by Hitler himself.
- 4. The inspiration from Ford's Model T and the fact that Volkswagen was always a bit player in Ford's key market the US.
- **46.** In the second paragraph, the word meme stands for
 - 1. Species, and not individuals.

3. credit, adversity

- 2. The cultural equivalent of a gene
- 3. A vocabulary where the meanings change constantly with contexts.
- 4. Something very abundant and therefore expendable.
- 47. The Bug's direct descendant, the New Beetle of 1998, is culturally and mechanically very different. The old has an air cooled rear engine, the new a water-cooled front one. The old is driven by the rear wheels, the new by the front. The original Beetle was a universal product of minimal ability, built to be cheap above all. The New Beetles is an object of style and pop culture. What do the two then share?
 - 1. A shape, a gestalt, a logos, as simple and winning as a cartoon or a popular tune.
 - 2. A parent determined to carry on the legacy that comes with being the world's largest selling car
 - 3. A factory where both are produced side by side.
 - 4. A selfishness in the sense that both want to be preserved for posterity.

DIRECTIONS for questions 18: The sentence has some blanks with four answer choices. Pick the best option which completes the sentence in the most meaningful manner

48.	· · · · · · · · · · · · · · · · · · ·	of Bangladesh that dkly, in which the activis		of low income it has been able to swell as public policies have played
	1. disappointment,	paucity	2. credit, o	ppulence

3. duplicity, difficulty

DIRECTIONS for question 19: In the following paragraph, a part of the paragraph is left unfinished. Beneath the paragraph, four different ways of completing the paragraph are indicated. Choose the best alternative amongst the four.

- **49.** Which of the following does not follow: Prior to the time you terminate an employee, ask yourself:
 - 1. Has a skill of his been underused at our place of business?
 - 2. Is he trying to cope with a job here for which he is under-skilled?
 - 3. If it is a personality problem for us, might that very personality be an asset somewhere else?
 - 4. Can we help him find a more appropriate job outside our company through our contacts?

DIRECTIONS *for questions 20 to 22:* The passage given below is followed by a set of questions. Choose the most appropriate answer to each question.



There are several reasons for the decline of the cabinet as a deliberative collective body. Primary is the heavy work load that governmental activity throws up for cabinet decisions. Cabinet decisions therefore are centred around elimination of overlaps and jurisdictional conflicts and harmonization of viewpoints of the ministries concerned. Even in the area of policy coordination, basic work is done in parallel committees at secretary level. The reputation of a cabinet minister depends on his political weight and/or his efficiency as a minister and not for his contributions to cabinet discussion.

Under the prime-ministerial system, the country is governed by the PM "who leads, co-ordinates and maintains a series of ministers, all of whom are advised and backed by the civil service. Some decisions are taken by the PM alone, some in consultation with senior ministers, while others are left to heads of departments, the cabinet, cabinet committees or permanent officials." Parallel to the emergence of the prime-ministerial system has been the need for a supportive administrative system for the PM to enable him to initiate, co-ordinate and monitor policies. This does not preclude the cabinet, or for that matter Parliament, from influencing policy.

Parliamentary democracy and the cabinet system trace their origins to Great Britain. But below the similarity of institutional surface operate social attitudes and behaviour patterns which are dissimilar. It is easier to introduce political institutions than evolve a political culture which will correspond to them and make for their smooth working. The hiatus between acquired institutions and inherited attitudes and behaviours is what might be called the "cultural lag". The pre-modern attitude to authority is based on hierarchical values. Political protest organized by the opposition groups against a duly elected government takes insurrectionary forms which are similar to those adopted against the British imperialist government. The PM office cannot be insulated from the prevailing cultural milieu in which it functions. Thus the temptation to succumb to the feudal ethos is always there.

Political culture is not static, it changes but change comes gradually as inherited expectations and assumptions change. In the field of economic development, it has been noted that in the first phase of development of a backward economy, income distribution deteriorates and improves only after a certain level of development has been reached. Similarly, in the field of political development, the cultural lag seems to widen after their first generation of post-colonial leadership hands over to the more indigenously rooted leadership. The latter are apt to be more dogmatic and authoritarian in their beliefs and behaviour. Respect for democratic norms is the result of long political experience with the workings of democratic institutions and therefore a product of slow growth. The decolonization that followed after the Second World War is replete with examples of states that started as democratic regimes but which succumbed to authoritarian ways under indigenous pressures.

Excerpted from an essay in "PN Haskar – Our Times and the Man" by P N Dhar.

- **50.** What is implied about the reasons for reluctance of ministers to engage in discussions inside the cabinet on ministries other than their own?
 - 1. They are wont to scratch each other's backs.
 - 2. The fear of an authoritarian Prime Minister and not wanting to get into his bad books by expressing opinions that may be at variance with his.
 - 3. The need for public discussion of policy options.
 - 4. They will have to work a lot more to present an alternative view on a subject that they are not directly concerned with.
- **51.** Which of the following is an example of the cultural lag that the author discusses?

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- 1. Dispassionate civil servants who do not care too much about the outcome of their activities.
- 2. A 200+ team in the Prime Minster Office, that overlaps in terms of role what the cabinet does.
- 3. Dharnas inside the parliament being construed as parliamentary procedures.
- 4. The interventionist role of the government in the planned development of large areas of social and economic life.
- **52.** The PM's office constantly receives pleas such as: "it can only be decided by the highest level", "how will the PM feel about this suggestion?" The above can be cited as an example of
 - 1. Cultural Lag
 - 2. Leadership vacuum
 - 3. First among equals.
 - 4. The Feudal ethos

DIRECTIONS *for question 23: Each sentence contains pairs of words highlighted and labelled A and B. Select the option which gives the best word choice for each pair.*

53. Some would say that the price of gas is rising because of (A) / due to (B) corporate greed. The meeting started 30 minutes late because of (A) / due to (B) a late delivery of doughnuts. His frustration was due to (A) / because of (B) the mucked up windscreen.
Due to (A)/ Because of (B) overcrowding last year, the competition field was narrowed down to six teams.

Our late arrival was because of (A) / due to (B) the heavy traffic.

- 1. AAABA
- 2. BBAAB
- 3. AAABB
- 4. AABAA



DIRECTIONS *for question 24:* In the following paragraph, a part of the paragraph is left unfinished. Beneath the paragraph, four different ways of completing the paragraph are indicated. Choose the best alternative amongst the four.

- - 1. holding their larvae like shuttles to spin out the thread that sews the leaves together for their fungus gardens.
 - 2. supplementing their diet with carbohydrate-rich honeydew excreted by their larvae
 - 3. inflicting painful bites and spraying formic acid directly at the bite wound on the young ants which stray from their paths.
 - 4. in which a worker will carry a young ant in its mandibles and transport it to a safe location.

DIRECTIONS *for questions 25 to 27:* The passage given below is followed by a set of questions. Choose the most appropriate answer to each question.

With a pertinacity of instinct, the Mahatma had foretold in his pamphlet *Hind Swaraj* that if we took parliamentary democracy of Westminster from the British, we would borrow a 'prostitute who will be bought and sold.' But he was convinced that only if we adopted participatory democracy we might build up integral awareness of rights and duties. He wanted the Panchayats to be elected on full suffrage to be run by intelligent young people. In this way he felt that many demands could be answered at the village level and there would be no need for morchas of onion growers demanding better prices in South Maharashtra.

We saw Gandhiji at work, with imperfect weak people around him training their character through Ruskin's 'work is worship' attitude, and how there emerged non-cooperation and those who went to jail under his leadership because he trained them to sacrifice for the 'cause'.

When asked "What is your goal in education when India obtains self-rule?" he had answered: "Character building."

He added: "I would try to develop courage, strength, virtue, the ability to forget oneself in working towards great aims. This is more important than literary academic learning which is only a means to this greater end."

Further he said:

"I would feel if we succeed in building the character of the individual, society will take care of itself. I would be quite willing to trust the organizational society to individuals so developed."

In a personal tour of two West Bengal districts Burdwan and Midnapur, I have seen the kind of development Gandhiji would have liked. I don't know if it is communism, or Gandhism, or Nehruvite social democracy. The label is certainly 'communism'. The primary school works under teachers trained to impart education of the 'learning by doing' pattern of Gandhi and Zakir Hussain. There are no free meals but everyone obeys the law of the 'bread labor'.

I suggest that National Integration cannot be brought about by modeling India on any other country but itself. If this demand is camouflaged by the banners of various communalisms, then there is going to be



frequent disruption, because the demand for bread and water is a natural urge, released by political freedom in many more peoples than were aware of their needs in the British period.

Excerpted from the afterword to "PN Haskar – Our Times and the Man" by Mulk Raj Anand.

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- **55.** What does the author imply when he chooses to label Burdwan's development as 'communism'?
- 1. He uses extreme ideas to make a point.
- 2. The tools of capitalism are owned by the labour class.
- 3. It was initiated by the Left government of West Bengal.
- 4. The author himself has leftward leanings and so chooses to see it that way.
- **56.** What can be inferred about the reasons behind the comparison between the importing of Westminster democracy into India and 'a prostitute who will be bought and sold'?
 - 1. Because he felt that the Westminster constitution's obsession with property cannot be transplanted into a country like India.
 - 2. Because of the loathing that he had for a regime which had double standards: democracy at home and slavery in the rest of the empire.
 - 3. Because he feels strongly about the plunder and rape of India by the British regime.
 - 4. Because he feels that democracy is akin to the world's oldest profession low on morals and high on pleasures.
- **57.** According to the passage, what can be inferred as the reason Gandhi's ideals have yet to be realized?
 - 1. Our education sector remains hung up on certificates and degrees, without bothering whether any skills to improve employability are being imparted.
 - 2. The democracy that we have is marked by improper electoral practices and low turnouts in elections.
 - 3. The nation's intelligentsia continues to think in terms of the small and big metropolises rather than in terms of its 700,000 villages.
 - 4. The Indian mindset remains feudal and the Ma-Baap mentality among the voters remains a hindrance to true nation building.

DIRECTIONS for question 28: The question has five statements A, B, C, D and E, which when arranged logically form a coherent sequence. From the options given choose the best sequence.

- **58.** A. As a first step, the protagonist lets the foreigner know that he is familiar with his country by making small talk like, "when I was in your country" or "your team did well." We, Indians, are generally aware and that helps.
 - B. As the conversation gathers momentum, the protagonist wants to make the guest even more comfortable.
 - C. The pleasantries over, a few members or at least one of them (we shall call him the protagonist) takes upon himself, with gusto, the responsibility of making the foreigner "feel at home".
 - D. Encouraged, he now goes to the next level making a vague reference to things or places in that country about which even the foreigner has no clue!
 - E. The objective of this small talk is to let the foreigner know that he is among knowledgeable people and not in the company of some ignorant cavemen.

1. CABED

2. CAEBD

3. ECABD



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DIRECTIONS for question 29: Given below are sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are incorrect in terms of grammar and usage (including spelling, punctuation and logical consistency). Then, choose the **most appropriate** option.

59.

- A. Previously, the notion that rationale decision makers prefer risk-avoiding choices
- B. were considered to apply generally, epitomized by the assumption of many economists that
- C. entrepreneurs and consumers will choose a risky venture over a sure thing only when the expected measurable value of the outcome is sufficiently high to compensate the decision maker for taking the risk.
- D. What is the minimum prize that would be required to make a gamble involving a 50 percent chance of loosing \$ 100 and a 50 percent chance of winning the prize acceptable?
- E. It is commonplace that the pleasure of winning a sum of money is much lesser intense than the pain of losing the same amount, accordingly, such a gamble would typically be accepted only when the possible gain greatly exceeds the possible loss.
- 1. A and E only
- 2. B and C only
- 3. A, B, D and E
- 4. A and B.

DIRECTIONS *for question 30:* Each question has a set of 4 sequentially ordered statements which can be classified into

Facts: which deal with pieces of information that one has heard, seen, or read and which are open to discovery or verification (the answer option indicates such a statement with an **F**).

Inferences: which are conclusions drawn about the unknown, on the basis of the known (the answer option indicates such a statement with an **I**).

Judgements: which are opinions that imply approval or disapproval of persons, objects, situations and occurrences in the past, the present or the future (the answer option indicates such a statement with a **J**).

Select the answer option that best describes the set of four statements.

60.

- A. One of the greatest challenges facing medical students today, apart from absorbing volumes of technical information and learning habits of scientific thoughts, is that of remaining empathetic to the needs of the patients in the face of all this rigorous training.
- B. Requiring students to immerse themselves completely in medical coursework risks disconnecting them from the personal and ethical aspects of doctoring, and such strictly scientific thinking is insufficient for grappling with modern ethical dilemmas
- C. For these reasons, aspiring physicians need to develop new ways of thinking about and interacting with patients.
- D. Training in ethics that takes narrative literature as its primary subject is one method of accomplishing this.

1.FJJI 2.JJJJ

3. FJIF

4. JJIF





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ANSWER KEY

	3		4
1.		31.	
2.	1	32.	1
3.	3	33.	3
4.	3	34.	3
	1	35.	4
5.			7
6.	4	36.	1
6. 7.	4	36. 37.	1 2
6. 7. 8.	4 1 3	36. 37. 38.	1 2 3
6. 7. 8. 9.	4 1 3 1	36. 37. 38. 39.	1 2 3 3
6. 7. 8. 9.	4 1 3 1	36. 37. 38. 39. 40.	1 2 3 3 4
6. 7. 8. 9. 10.	4 1 3 1	36. 37. 38. 39. 40.	1 2 3 3 4
6. 7. 8. 9. 10.	4 1 3 1	36. 37. 38. 39. 40. 41.	1 2 3 3 4
6. 7. 8. 9. 10. 11. 12.	4 1 3 1	36. 37. 38. 39. 40. 41. 42.	1 2 3 3 4
6. 7. 8. 9. 10. 11. 12. 13.	4 1 3 1	36. 37. 38. 39. 40. 41. 42. 43.	1 2 3 3 4
6. 7. 8. 9. 10. 11. 12. 13. 14.	4 1 3 1 1 4 3 2 3 3	36. 37. 38. 39. 40. 41. 42. 43. 44.	1 2 3 3 4 2 1 4 1 3
6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	4 1 3 1 1 4 3 2 3 3	36. 37. 38. 39. 40. 41. 42. 43. 44. 45.	1 2 3 3 4 2 1 4 1 3
6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	4 1 3 1 1 4 3 2 3 3	36. 37. 38. 39. 40. 41. 42. 43. 44. 45.	1 2 3 3 4 2 1 4 1 3
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17.	4 1 3 1 1 4 3 2 3 3	36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47.	1 2 3 3 4 2 1 4 1 3
6. 7. 8. 9. 10. 11. 12. 13. 14. 15.	4 1 3 1	36. 37. 38. 39. 40. 41. 42. 43. 44. 45.	1 2 3 3 4
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	4 1 3 1 1 4 3 2 3 3 3 4 4 4 2 1	36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50.	1 2 3 3 4 4 2 1 1 3 2 1 1 3 4 4 4
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.	4 1 3 1 1 4 3 2 3 3 3 4 4 4 2 1	36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50.	1 2 3 3 4 4 2 1 1 3 2 1 1 3 4 4 4
6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19.	4 1 3 1 1 4 3 2 3 3	36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50.	1 2 3 3 4 2 1 4 1 3

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25.	2	55.	3
26.	2	56.	1
27.	3	57.	3
28.	4	58.	2
29.	3	59.	3
30.	3	60.	4



1.	Petrol grew from approx 200 to approx 260, which is a change of 30%. This is over 2 years. So average
2.	growth rate is 30/2 or 15%. Growth in 2008 is approx 50/375 = 13.33%, while in 2009, it is 20/425 = 4.7%.
3.	In 2007, petrol is approx 200 out of 375 or 53%. In 2008, it is 235/425 or 55%. In 2009, it is 260/445 or 58%.
4.	From statement I, we we can conclude that $p:q:r=9:15:16$, but we do not know whether these integers are positive or negative. So statement I alone is not sufficient to answer the question. From statement II, we know that $pqr > q2 > 0$. However, this does not help determine the largest of the integers. So, statement II alone is not sufficient to naswer the question. From statement II, since $pqr > 0$, either all three integers are positive or exactly two of them are negative and one is positive. From statement I, we know the ratio of the three integers. If we combine this with the information from statement II, we can conclude that all three integers are positive and therefore, r will be the largest. Thus both statements together are required to answer the question.
5.	From statement I, P can take values 1, 4, 6, 8 or 9. If we find the sum of digits of the squares of these numbers, 12 = 1 adds up to 1 and 92 = 81 adds up to 9. If we find the sum of the digits of the cubes of these two numbers, we get 13 = 1 and 93 = 729. In both cases, the sum of digits equals P or a multiple of P. Since P = 1 or 9, statement I alone is not sufficient to answer the question. From statement II, P can take values 2, 3, 5, 7, 11 or 13. If we find the squares and cubes of these numbers, 112 = 121 and 113 = 1331 are the only values where the digit 1 appears more than once. So, P = 11. Thus statement II alone is sufficient to answer the question.
6.	From statement I, $4PQ < 3QR \square PQ < QR$ and $3QR < 2RS \square QR < RS$. Since there is no information about PS, statement I alone is not sufficient to answer the question. From statement II, $6PQ < 3PS \square PQ < PS$ but $3RS < 4PS$ does not give us any relation between RS and PS. So statement II alone is not sufficient to answer the question. If we combine both statements, we know that $PQ < QR < PS$

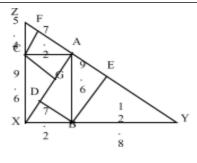
	RS, but we cannot determine the relation of PS with
	the other three sides. Thus even both statements
	together are not sufficient to answer the question.
7.	If Jack had used the std service, he would have paid
/•	\$14.47 and \$15.00 if he had used the 2 hour service.
	So he pays \$0.53 extra.
8.	Sally spends \$14.79 to send the packet to Jack.
	Now Jack can send the packet to any point which
	has the zone from A to D. (Since he is already in
	zone E
	and he has to send to different places, E is ruled
	out.) So Jack can send the packet to 6 different pts.
0	
9.	If he has \$10.00, he can use the zones which are in
	A or B. There are 12 As and 0 Bs. So a total of 12
	combinations.
10.	Here Steven can send from all zones from A to H.
	There are a total of 144 zones, with 0 Is and 4 Js. So
	if he sends from one point to another, he can have
	144 - 4 = 140 combinations.
11	
11.	If he sends the packet from home, he will be in zone
	H, while he is in zone J if he sends it from office.
	From the midway area, he would be in zone E. So
	the cheapest would be from the midway. However,
	he leaves at 10 am, s would be at the midway point
	at about 10.30, leaving 2 and a half hours for the
	packet to reach Joe. So he needs to use the 2 hour
	service.
12.	
12.	Suppose the length of the longer side of the
	trapezium is x. Since the shorter side is formed by
	joining the centre of the square to the mid-point of
	the side, its length is 150 m. Similarly, the height of
	the trapezium is 150 m. Now, the area of the
	trapezium is $\frac{1}{2} \square (x + 150) \square 150 = \frac{1}{3} \square 300 \square$
	300. Solving this equation yields $x = 250$ m.
13.	Suppose the bag contains B blue balls, W white balls
100	and O balls of some other colour or colours. The bag
	contains at least one blue and at least one white ball.
	So, the ordered possibilities (B, W, O) are (1,1,4),
	(2,1,3), (3,1,2), (4,1,1), (5,1,0), (1,2,3), (1,3,2),
	(1,4,1), (1,5,0), (2,2,2), (3,2,1), (2,3,1), (3,3,0),
	(4,2,0) and $(2,4,0)$. Of these 15 possibilities, there is
	only one case where the number of blue and white
	balls is 3 each. Thus the required probability is 1/15
	= 6.66%.
14.	This question can be solved by trial and error. 15625
17.	= 1252 = 452 + 602 + 1002. $28561 = 1692 = 252 +$
	602 + 1562. 33049 is not a perfect square and 10000
	= 1002 = 362 + 482 + 802.
	Alternate solution: Suppose $a2 + b2 + c2 = x2$ and
	a2 + b2 = d2. We can rewrite this as $a2 + b2 + c2 =$
	d2 + c2 = x2. This means that we can make use of
	Pythagorean triplets. $(a2 + b2) = d2$ will yield a
	Pythagorean triplet (a, b, d) and $(d2 + c2) = x2$ will
	yield a Pythagorean triplet (d, c, x) .
15.	Since we want 2-digit numbers, we are interested in
13.	
	multiples of 17 (17, 34, 51, 68, 85) and 23 (23, 46,
	69, 92) So the series is 6, 9, 2, 3, 4, 6, 9, This
	series is repeated after every 5 digits.
	So, the 1996th digit will be 6.
16.	Powers of 112 when divided by 9 will leave
	remainders of 4, 7 and 1. Since the length of the
	remainder cycle is 3, 1974 when divided by 3 will
	leave no remainder. So, 1121974 9 will leave a
	remainder of 1. Powers of 61 when divided by 9 will

P A

	leave remainders of 7, 4 and 1. Since the length of
	the remainder cycle is 3, 1976 when divided by 3
	will leave a remainder of 2. So, 611976 □ 9 will
	leave a remainder of 4. Powers of 148 when divided
	by 9 will leave remainders of 4, 7 and 1. Since the
	length of the remainder cycle is 3, 1981 when
	divided by 3 will leave a remainder of 1. So,
	1481981 □ 9 will leave a remainder of 4. Powers of
	83 when divided by 9 will leave remainders of 2, 4,
	8, 7, 5 and 1. Since the length of the remainder cycle
	is 6, 1978 when divided by 6 will leave a remainder
	of 4. So, $831978 \square 9$ will leave a remainder of 7.
Ī	If we take the values of a b and c as 2, then S =

- 17. If we take the values of a, b and c as 2, then $S = (\log 2 4)5 + (\log 2 4)5 + (\log 2 4)5 = 3 \square (\log 2 4)5 = 3$ $\square 25 = 96$. If we take different values for a, b and c, it can easily be verified that the value of S will be greater than 96. Thus, $S \ge 96$.
- Suppose the distance between office and college is 12 km and the speed is 2 kmph. It would take 6 hrs to reach college. When he reaches half way, he has already spent 3 hours. He turns back at a speed of 3 kmph and takes 6/3 = 2 hours to reach office. Now, he has only 1 hour to reach college. So the speed must be 12 kmph. Thus the increase in speed is $\frac{(12-2)}{2} \times 100$ = 500%.
- Suppose the number of chocolates with the three girls is x, y and z respectively. Since $xy = 225 \square y = 225/x$, since $xz = 225 \square z = 225/x$ and since $yz = (225/x)(225/x) = 225 \square x = 225 \square x = 15$. From this, we get y = z = 15. So the total number of chocolates is 45.
- 20. Let the number of contestants be 2n where n is non-negative \Box for n = 0, 1 the winner is 1. For n = 2, 3 winner is 1. Let the number of contestants be 2n + M where 0 < M < 2n. Thus, after the first M eliminations, i.e., after passing through 2M contestants and being at 2M + 1 (which will be spared for elimination), we have 2 n contestants and (2M + 1)th is at 1st position, and will be the winner. Thus, the winner for k number of contestants is 2(k-2m) + 1 where m is largest integer such that k > 2m. Thus, for P = 12 + 16 = 28, 12 + 32 = 44, 12 + 64 = 76. □ Choice (1) is the right answer.

21.



 $XA \Box YZ$ divides $\Box XYZ$ into two triangles, each of which is similar to $\Box XYZ$. $\Box AXY$ has hypotenuse 20, which is 4/5 that of $\Box XYZ$ and $\Box AXZ$ has hypotenuse 3, which is 3/5 that of $\Box XYZ$. So the

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perimeters of \square AXY and AXZ will be 4/5 and 3/5 of the perimeter of \square XYZ. This will be true of all subsequent triangles formed.

Since the perimeter of \square XYZ = 60, the perimeter of \square AXY = (4/5) \square 60 = 48 and the perimeter of \square AXZ = (3/5) \square 60 = 36. Since the perimeter of \square AXY = 48, the perimeter of \square ABY = (4/5) \square 48 = 38.4 and the perimeter of \square AXB = (3/5) \square 48 = 28.8. Since the perimeter of \square AXZ = 36, the perimeter of \square ACX = (4/5) \square 36 = 28.8 and the perimeter of \square ACZ = (3/5) \square 36 = 21.6. Since the perimeter of \square ABY = 38.4, the perimeter of \square BEY = (4/5) \square 38.4 = 30.72 and the perimeter of \square BEA

= (3/5) \square 38.4 = 23.04. Since the perimeter of \square ABX = 28.8, the perimeter of \square ABD = (4/5) \square 28.8 = 23.04 and the perimeter of \square BDX = (3/5) \square 28.8 = 17.28.

Since the perimeter of $\Box ACX = 28.8$, the perimeter of $\Box CGX = (4/5) \Box 28.8 = 23.04$ and the perimeter of $\Box CGA = (3/5) \Box 28.8 = 17.28$.

Since the perimeter of \Box ACZ = 21.6, the perimeter of \Box ACF = (4/5) \Box 21.6 = 17.28 and the perimeter of \Box CFZ = (3/5) \Box 21.6 = 12.96.

So the sum of all the perimeters is 60 + 48 + 36 + 38.4 + 28.8 + 28.8 + 21.6 + 30.72 + 23.04 + 23.04 + 17.28 + 23.04 + 17.8 + 17.28 + 12.96 = 426.24.

Alternate Solution: It is clear from the diagram that all the triangles formed are similar to the original triangle and the perimeters will form a GP. When we draw AX, the perimeters of \Box AXY and AXZ will be 4/5 and 3/5 of the perimeter of \Box XYZ. So the sum of perimeters will 7/5 that of \Box XYZ. From this we can get the common ratio as 7/5. Since the perpendiculars are drawn three times, we need to add the first 4 terms of this GP. So the sum of

$$\frac{60\left[\left(\frac{7}{5}\right)^4 - 1\right]}{\left[\frac{7}{5} - 1\right]}$$

=426.24

perimeters will be

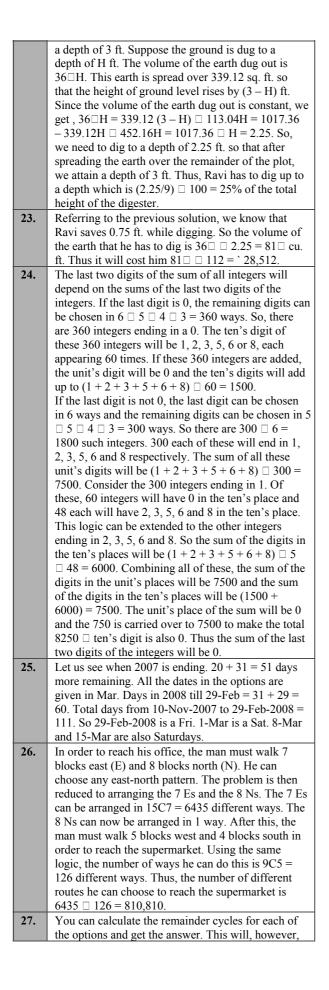
22.



Suppose the radius is R. Then the height of the hemispherical part is also R. Since the height of the cylindrical part is $\frac{1}{4}$ the diameter, the height must be 2R/4 = R/2. The volume of the digester equals the sum of the volumes of the cylinder and the hemispheres, i.e., $\Box R2(R/2) + (2/3) \Box R3 = 792 \Box \Box R3 \Box (7/6) = 792$. Solving this equation gives R = 6 ft.

The area of the plot is $28.8 \square 15.7 = 452.16$ sq. ft. The area of the plot surrounding the digester is $452.16 - 36\square = 452.16 - 113.04 = 339.12$ sq. ft. The earth dug out is spread over this area and consequently the height of ground level will increase. Since the total height of the digester is 9 ft., we want

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	amount to doing donkey work! If you are smart,
	there are no calculations required!! Since an even
	number divided by an even number will never give
	an odd remainder, the best answer is option 3.
28.	There are exactly 30 days in Apr, Jun, Sep and Nov.
20.	So in one year there are $30 \times 4 = 120$ days. So that
	makes it $100 \times 30 \times 4 = 12000$ days. Also in the
	years 2001 to 2100 there are 24 leap years, which
	means 24 months with 29 days. So number of days
	in such Februarys is $29 \square 24 = 696$ days.
29.	The number of diagonals is $nC2 - n = (n2 - 3n)/2$.
	Since the polygon has an even number of sides,
	exactly n/2 diagonals will be diagonals of maximum
	length. Thus the required number of diagonals is
	n^2-3n n n^2-4n
	2 2 = 2.
30.	Consider E1. The probability that the chip
00.	numbered 1 is removed first is 1/n. There are now (n
	-1) chips and the probability that the chip
	numbered 2 is removed is now $1/(n-1)$. Using the
	same logic, the probability that the chips removed in
	E1 follow the sequence 1, 2,, n is P1 = $(1/n)$
	Consider E2. The probability that the chip
	numbered 1 is removed first is 1/n. This chip is then
	replaced and the box still contains n chips. The
	probability that the chip numbered 2 is now
	removed is 1/n. Using the same logic, the probability
	that the chips removed in E2 follow the sequence 1,
	2,, n is $P2 = (1/n) \square (1/n) \square$ n times = $1/nn$.
	If $n = 1$, then $P1 = P2$. However, if $n \square 2$, then
	P1 > P2. We can therefore conclude that P1 – P2 \Box
	0
	□ P1 □ P2.
31-	From the given information, we know that Amol,
34.	Shashi, Mandar and Reena received the video game,
	permume, calculator and sunglasses respectively.
	This means that Piyu received the sweater and we
	can then conclude that she gifted the jacket.
	Since Mandar did not gift an electronic item, he
	could have gifted the fountain pen, the shirt or the
	jacket.
	But we know that the shirt and the jacket were
	gifted by Amol and Piyu respectively.
	So Mandar must have gifted the fountain pen.
	We still need to figure out who gifted the cell phone
	and the I-Pod. Since we know that Shashi did not
	gift the I-Pod, Reena must have gifted the I-Pod and
	Shashi must have gifted the cell phone.
	We can now match the friend's name with the gift
	given and the gift received as follows:
	Amol – Shirt – Video Game; Mandar – Fountain Pen
	- Calculator; Piyu - Jacket - Sweater; Shashi - Cell
	Phone – Perfume; Reena – I-Pod – Sunglasses.
31.	Piyu gifted the jacket.
32.	Amol and Mandar gifted the shirt and the fountain
	pen respectively (non-electronic items) and received
	the video game and the calculator respectively
	(electronic items).
33.	Reena gifted the I-Pod and received the pair of
	sunglasses in return.
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Bulls Eye

34.	Only Amol and Mandar received electronic items.
	So option 1 is true. Shashi gifted the cell phone and
	received the perfume. So option 2 is true.
	Reena gifted the I-Pod and in alphabetical order, she
	would appear second last. So option 3 is not true.
	In alphabetical order, Piyu appears in the middle and
	she gifted the jacket and received the sweater in
	return. So option 4 is true.
36-	In such questions it is best to analyse the case
40.	without looking at the questions asked. Here is a
	sample of such an analysis:
	What is our objective: To buy the neighbouring cloth
	store.
	Major Factors: Purchase price, the spending on
	repairs or modifications
	(Don't bother too much about minor factors,
	whatever is not major is minor)
	Major Assumptions: Our patients would not want
	to go to outside labs for their tests.
	The patient population around the clinic will
	continue to reside there.
36.	If we check with our list, we see that this is an
	assumption, since we have no clear way of
	forecasting or controlling this fact, yet it is still
	important.
37.	Checking from our list, this is indeed the purpose of
	this case – hence objective.
38.	The state of the business does not matter, since the
	key factor is whether Hill wants to sell or not.
	Hence minor factor.
39.	Although the quality of equipment matters, he does
	not need to worry about it as far as this purchase
	decision is concerned.
	Nor relevant – hence minor factor.
40.	Again match with the checklist, you will realise that
	it is one of the assumptions. In some sense this is
	like a Critical Reasoning question.
41.	Option 2. The first sentence is an inference as it
	talks of a result – development of remarkable
	reliance on private doctors and a cause - the
	relatively low allocation to public health care. In B,
	word like <i>very large</i> are descriptive words and hence
	is a judgment. We can verify both the statements as
	they are from a study conducted by the Prachi
12	Trust.
42.	Option 1. The passage talks about words and what
	images they conjure. Hence C will be the opening
	sentence. B and E are linked and D and A are linked.
	D talks of telescoped process and A talks of the
43.	general law of telescoped processes. Option 4. In option 1, 'the' after food in incorrect
43.	Also women should be followed by their babies. In
	option 2, protect themselves and not oneself. In
	option 3, carried should be carrying, also after the
	semicolon, she and themselves do not agree in
	number and gender.
44.	Option 1. The para talks about what challenges
77.	mean for different people and how people react to
	challenges. At the end it states that you learn that
	challenge is a part of life so what would follow
	would be that challenges can be won or lost but one
	learns from them.
45.	Option 3. The question talks about dark moments in
	history, hence option 2 and 4 can be ruled out as

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	they denote positive happenings. Exploitation of cheap labour in factories where the Bug is produced cannot be said to be a moment of history as even now Bug is manufactured in Spain where labour is cheaper. Hence we can rule out option 1. Nazi Germany and Hitler are certainly associated with a dark moment of history. Hence Beetle's birth at that time would be what the author is implying.
46.	Option 2. Just like a gene transmits its structure largely intact and is potentially immortal in the form of copies, the beetle has also maintained in shape largely intact and has innumerable copies of the same spread all around in all types of cultures reflecting the culture there as the passage says that "the Bug wore a
47.	Option 1. From the passage we cannot infer that both the Beetles are the world's largest selling cars. Hence option 2 is incorrect. The features are different hence cannot be produced side by side. The passage states that the Bug should be there forever and not preserved for posterity. As the New Beetle is a descendant of the Bug, they would have some things in common. It is mentioned that culturally and mechanically they are different. No mention is made of shape which then should be the same. A gestalt means a configuration or pattern of elements so unified as a whole that it cannot be described merely as a sum of its parts. The Greek word <i>logos</i> (traditionally meaning word, thought, principle, or speech) has been used among both philosophers and theologians. In most of its usages, logos is marked by two main distinctions - the first dealing with human reason (the rationality in the human mind which seeks to attain universal understanding and harmony), the second with universal intelligence (the universal ruling force governing and revealing through the cosmos to humankind, i.e., the Divine).
48.	Option 3. Despite low income, Bangladesh has been able to do so much so quickly. Hence disappointment and duplicity – deceit or dishonesty cannot fit the first blank. Opulence means wealth and hence we cannot use it in the second blank.
49.	Option 4. We would be more concerned about whether we put the wrong person in the wrong job, or whether we have not utilizes or realised the true potential of an employee. We would not worry about whether he finds another job or not.
50.	Option 4. The passage states that there is heavy work load that government activity throws up for cabinet decisions and hence ministers will be reluctant to engage in discussions which are not from their own cabinets. Option 1 is incorrect as there is no support for it in the passage. (To scratch each other's back means if you help me then I will help you too. Wont - One's habitual way of doing things). The cabinets can and must influence policies. Hence option 2 is incorrect.

option 2 is incorrect.

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	If there was a need for public discussion of policy options then ministers would gladly engage in discussion related to matter which were not related to their ministries too.
51.	Option 3. It is easier to build a political institution
011	like that elsewhere (here Britain) but getting the
	same set of mindset, attitudes and behaviour is
	difficult. Dharnas is a very India specific activity
	and is an example of a cultural gap or difference. All
	the others are possible else where too.
52.	Option 4. The Feudal System was a system for
	ordering society around relationships derived from
	the holding of land in exchange for service or labour.
	Ethos means culture. The PM is above the other
	ministers and hence we cannot say first among
	equals. In this example, the vacuum is more in the
	subordinate than the leader. Cultural lag is a hiatus
	between institutions and behaviour. Feudal system
	was associated with the lords and vassals and here
	the PM is the lord and the subordinates are vassals
	as the subordinates are looking up to the PM for his
	consent.
53.	Option 3. Due to is an adjectival prepositional
	phrase, meaning it modifies a noun. Because of is an
	adverbial prepositional phrase, meaning it modifies a
	verb. Because of answers the question <i>WHY</i> ?.
	Example
	1. His defeat was due to the lottery issue. (here due
	to modifies the noun defeat)
	2. He was defeated because of the lottery issue. (
	here because of modifies the verb was defeated) Because of answers the question WHY?
	Using the above information to the question -
	In sentences 1, 2 and 4 because of modifies the
	verbs is rising, started and was narrowed. While in
	sentences 3 and 5, <i>due to</i> modifies the nouns – <i>our</i>
	arrival and his frustration.
54.	Option 1. As we are talking of labour, option 2 is
	not correct. Option 3 talks of discipline and not
	labour. Option 4 talks of caring for the young as the
	young ant will be shifted to a safe location.
55.	Option 3. The author is referring to two districts
	Burdwan and Midnapur in Bengal when he is talking
	about communism. Bengal has had a Left
	government for years and hence the author uses the
	word communism. It is not an extreme idea as Burdwan is in West Bengal and West Bengal does
	have a communist party ruling the state. The last
	paragraph states that the author is not having any
	leftward leanings – he says "the demand for bread
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	government in UK and government in India and not with any other aspect. Hence we can rule out option 3.
	Additional information: In England at that time,
	agriculture was a dominant profession and majority of the people in the Westminster parliamentary
	were landlords or property owners and hence
	concerned only with buying and selling of land at the
	highest price possible without any feelings or
	emotions coming into the picture.
57.	Option 3. The author states that "in a personal tour
	of two West Bengal districtsGandhiji would
	have liked. So the author wants to convey that we need to work at the village level. At the beginning of
	the passage too, it is mentioned that Gandhiji
	wanted Panchayats to be elected on full suffrage to
	be run by intelligent young people because he felt
	that in this way many demands could be answered
	at the village level. This means the focus should
	have been at a micro-level whereas it was actually at
	a macro-level. Though Gandhiji says that there more
	to education than literary academic learning, he is not against academic learning. Hence option 1 is
	incorrect. Electoral practices and low turnouts are
	not mentioned. There is no mention of Indian
	mindset with reference to feudalism and voters.
58.	Option 2. The paragraph talks about how a
	protagonist takes steps to make a foreigner know
	that the foreigner is with people who are
	knowledgeable and not ignorant cavemen. The first sentence then is the one that introduces the
	protagonist and the foreigner which is statement C.
	A follows C as it describes the first step the
	protagonist takes. E talks about why this small talk
	is necessary. The conversation then gains
	momentum.
59.	Option 3. In A, <i>rational</i> instead of <i>rationale</i> ; in B,
	was instead of were; in D, losing instead of loosing;
	in E, less than instead of lesser than and before accordingly there needs to be a semi-colon to
	separate the independent clause.
60.	Option 4. Statement A is a judgment as words like
	empathetic and rigorous are used. D can be verified
	and there is no approval or disapproval. B is a
	judgment as there is clear disapproval as it uses
	words like "risks disconnecting" and "insufficient".
	C is an inference as depending on the known "
	Requiring Dilemmas". It is taking about the unknown. There is no approval or
	disapproval in the sentence.
	ansapprovar in the sentence.



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