SECTION-I: ANALYSIS OF BUSINESS SITUATIONS but the go-between warns that if this is done, Surai

Directions: This section comprises of two passages. After each passage questions consisting of items relating to the preceding passage are given. Evaluate each item separately in terms of ther espective passage and choose your answer as per the following quidelines:

- (A)If the item is a MAJOR OBJECTIVE in making the decision: that is, the outcome or result sought by the decision maker
- (B) If the item is a MAJOR FACTOR in arriving at the decision; that is consideration, explicitly mentioned in the passage that is basic in determining the decision
- (C) If the item is a MINOR FACTOR in making the decision; a less important element bearing on or affecting a Major Factor, rather than a Major Objective directly.
- (D) If the item is a MAJOR ASSUMPTION made deliberately; that is a supposition or projection made by the decision maker before considering the factors and alternatives.
- (F.) If the item is an UNIMPORTANT ISSUE in getting to the point; that is a factor that is insignificant or not immediately relevant to the situation.

PASSAGE - I

The, Problem. Suraj & Co. a major publisher, is offered the autobiography of a fabulous and mysterious business tycoon. However, there is a question as to whether or not the offer is genuine, and whether this is the kind of book Suraj should publish. If the autobiography is truly the billionaire's life story, a great deal of money can be made. The logical step would be to approach the billionaire directly to ascertain if he did indeed write the book,

The Company. Suraj & Co., is one of the world's largest publishers. A great part of its sales

revenue is derived from scientific textbook a n d magazines. Its trade book division, which publishes novels and general non-fiction, is a recently organized branch of the eighty-year old company. This division through most of its has been unprofitable existence, although high hopes are held for it.

will be turned down. Should the publisher make a

contract with the go-between?

he Proposal Under Consideration. Pretam Surai, who has the president for two years, listens carefully to a proposal made by Dhan Singh, head of the trade book division, at an executive editorial meeting where major projects are approved or turned down. Singh states that Barath Sind, a Suraj author of four novels and three non-fiction books, has established contact with Jehangir Dass, a brilliant business tycoon. The eccentric Dass, has tentatively agreed to allow Suraj to publish his autobiography, provided that Sind does the actual writing, based on taped interviews between the author and the business executive. Dass has shunned interviews and any public contact for almost two decades. He has become a "Man of mystery", although his fabulous

business deals have been national news. The Terms. Sind is to receive Rs. 1,00,000 as an advance against royalties. Dass is to receive Rs. 2,50,000 as an advance against royalties. The royalty will be 15% of the price of the book. Suraj also fifty basis all subsidiary must share on a fiftyresult from the publication revenue such as would of excerpts in magazines, etc., with Sind and Dass. According to Sind, the billionaire will only deal with him and no one else.

Possible Subsidiary Deals. Singh asserts that such a book would be a coup for Suraj. Singh has had informal connects with National, a news magazine with a very large circulation. Twinights, a major book club; and Vale, a very large paperback publisher. Representatives of these firms have expressed strong interest in the Dass autobiography. Psyments to Suraj from these companies would be substantial and would probably pay for the printing of the book. Simpl predicts that 100,000 copies of the Suraj edition would be sold, adding that this figure is probably low. An excellent profit could be realized.

Is It Rally Dass's Story? Singh is questioned on the automatically of Sind's tale in light of Dass's obvious distaste for the public spotlight. Singh says he considers Sind to be completely honest, an opinion he has formed over years of acquaintance with the writer But why, Singh is asked, cannot Suraj deal with Dass directly?

He replies that Dass apparently wishes to keep his contacts with the outside world to a bare minimum. According to Sind, the billionare

would scuttle the deal if Suraj attempted to meet with him.

Proof of Authenticity, Singh produces a handwritten agreement, signed "Jephanir Dass" which authorizes Sind as his role agon. The note has been checked by a leading handwriting expert who, after checking samples of Dass's writing of 20 years ago, has declared it to be authentic.

Opinions Protain Suraj considers the matter carefully. On the negative side, there is some doubt as to whetfor the manuscript is indeed Dass's Moreover, this is not the type of book that Suraj would ordinarily publish. It smacks a little of sensationalism which might reflect upon the conservative, solid image of Suraj & Co.

On the other hand, as Singh said, publication certainly would be a coup. Profits are almost guaranteed. Singh seems to have taken adequate precautions concerning the validity of Sind's story.

Alternatives. Pretam Suraj thinks about contacting Dass directly or through the tycoon's executives of friends. This he rejects because Dass might call off the deal and go to another publisher. He defers the decision until further proof of

authenticity is forthcoming. Too much delay might result in the book going to another publisher.

Decision. He finally decides to publish without reaching Dass directly, persuaded by the available documents and the confidence inspired by Mr.Sind. Despite misgivings and the problem involved, Pretam Suraj approves the project.

- The company needs a 'best-seller'
 - Sind might not be telling the truth.
 - If Suraj circumvents Sind and contacts Dass directly, the deal might be called off.
 - Delay might mean that Dass's autobiography would be published by another company.
 - The book might not be authentic.
 - Suraj's image might be damaged if it were to publish the autobiography.
- Publication of the book would be a coup for Suraj.
- 8. Barath Sind is an established author.
- 9. Suraj is one of the world's largest publishers.
- The autobiography is not the kind of book that Suraj usually publishers.

PASSAGE - II

Bells Company is a large publisher of school textbooks. It has a 15% share of the Indian market, as well as a successful operation exporting to other English–speaking countries. Last year its net earnings were Rs. 21 million. Until now Bells has been able to maintain a satisfactory growth rate by adding texts on new subjects areas seem to be adequately represented in the Bells catalogue, and the Bells Board of Directions has approved the purchase of a number of smaller, but prosperous and established, businesses in an effort of preserve Bell's current rate of profit increase and lessen its dependence on a single project.

Boar member Manu Khalid proposed that one of Bells new acquisitions be a company

publishing romance novels. he urged that a wellestablished company with significant readership should be chosen, since Bells had no familiarity with this new market. Khalid argued that the sales of any such enterprise could be increased if Bell's staff editors and illustrators reworked already accepted romance manuscripts turning out artistically and stylistically polished products. The board fully endorsed Khalid's program.

Two weeks later, the board met to decide which one of the three publishing firms suggested for purchase should be acquired. Bell's researchers had studied one company purveying expensive editions, another producing moderately comicbook—format romances. The board intended to greatly expand whichever company it bought, and to use new acquisition as a springboard from which to take over, during the next decade, a significant portion of the nonance—novel market.

In considering which business to buy, the board focused on purchase price, prospects for expansion, publisher-name recognition, competition, potential markets, already existing the strip to the capacity, management efficiency, and employee relations. The board members afreed that a cordial and cooperative attitude on, the part of the present owners would be necessary in order to assure a mooth transition. While printing costs would normally be considered in comparing the three operations. Bells had decided to use its own printers to manufacting the romance novels; accordingly, such costs were not taken into account in evaluating the three companies.

First considered was Golden Eagle Productions, which sold leather-bound editions of classic romances to bookstores and, by mail, to individuals. Golden Eagle had a rather large following of well-heeled customers, faced no significant competition, and consistently ranked at the top of the list in name-recognition surveys. Last year, Golden Eagle earned Rs-4 million in profits before taxes on sales of Rs-21 million.

While management efficiency was good, Golden Eagle's authors and leather crafts people were dissatisfied with their pay and working conditions: it was common knowledge in the industry that Golden Eagle had a "morale problem". In order to enter romance-novel market on a really large scale, as planned, Bells would need to initiate a Rs.5 million expansion effor right away, to be followed up in the future which additional outlays. Another negative point was that the board was afraid that marketing moderately priced and even inexpensive novels under the Golden Eagle name, a necessary move given their expansion program, would alienate present Golden Eagle customers without drawing in sufficient new readers to replacethem. Purchase price of this firm would probably be about Rs.15 million.

Living the second company, a publisher of mediumpriced paperback romances. Because of a highly stiffent sales program both in India and overseas. An inlightend Living had attained an exprofit of Rs. 44 million last year, on sales of Rs. 10 8 million. Management was expert at keeping production flowing and at constantly increasing distribution. If Bells bought this firm, only Rs.2 million would be needed for expansion. A few Enlightened Living's staff members were so skilled that Bells could use them to write school texts they were not working on romance novels.

But Enlightened Living did have some drawbacks. It faced a good deal of competition, and for some reason it always scored low on namerecognition surveys. Although they spent rather lavishly on advertising, management could not seem to improve name-recognition. Finally, there was a labour-relations problem involving the company's sales force. The last of the three companies under consideration was small but successful. Twilight, had Rs.6 million in net profits on Rs.9 million in sales last year. Ranking high in name-recognition surveys, Twilight produced small comic books with romantic themes. Management had evolved work routines that allowed each artist's talents to be used optimally, and production was streamlined for volume output. Twilight's distribution system was respected throughout the field. Competition did exist, in the form of Gentle Site & Co., but it was clear that Twilight

enjoyed the upper hand. There was ample room for expansion. The firm would probably sell for Rs.10 million.

The board voted to make tentative efforts to all three of the companies, and to reconvene w h e n responses were available in order to reach a final decision.

- 11. Maintaining Bell's present profit rate
- Efficiency of the management of a publishing company under consideration.
- 13. Bell's Rs.21 million net earnings last year.
- 14. Current printing costs at a firm under consideration

Competition faced by a firm under consideration.

- Continuing demand for romance novels during the next ten years.
- Acquisition of a romance-novel publishing company that can be expanded to suit Bell's needs.
 - Willingness of the ownership of each company considered to sell to Bells.
- Accuracy of the information presented to the board by the researchers.
- Cooperative attitude of present owners of a firm to be acquired.

SECTION - II : READING COMPREHENSION

Directions: Each passage in this section is followed by questions based on its contents. Read the passages carefully and then answer the questions given below them by choosing the best answer to each question. Answer the questions on the basis of pinal vistated or implied in the passages.

PASSAGE-

The job of attracting the right young people into business will be farthered if businessman and the world at large understand the real benefits of an education designed to prepare young people for business and the the that such an education designed business and the but that such an education designed business and the but that such an education does breed a bound Poolised person who can take up two walks of life it freed be. The continued success of our business democracy requires no less.

Education for business must avoid the purely intellectual for something with a more pragmatic focus. And what is wrong with an education that has a pragmatic focus? Plato—in his Republic—was far more pragmatic than we ever think of being.

But even if education for business should be unashamedly pragmatic, it cannot be an end in itself. Any young person entering management, regardless of what degree he has earned, is gong to continue his education throughout his life. Things are happening too fast today for anyone to feel fully

Pubcated after four years, or six years, or ten years! What he will have to do is to be retrained or retooled as the years go by. The kind of education needed is that which opens the young person's eyes to the need for a lifetime of study and gives him the foundation on which his continued study car, be based.

Rather than being narrowly vocational, modern business education in many ways leads in the liberality of its approach. Beginning with courses in human relations, and ending up permeating all its activities is the concept of participative management. Why? Because as business becomes more scientific, more intellectual, more complex, no one man can have the total knowledge required to make sound decisions arbitrarily. When things become so highly complex, group management is the logical answer.

It is in modern business education that this type of leadership is taught and researched. This is crucial importance to the well-being of our nation, because if the leaders of our business democracy cannot meet the challenge of the collective economy which boasts it will bury us, we may indeed be buried—and not just economically. Modern business education teaches how to lead without a sacrifice of freedom; how to exercise control and direction, while at the same time respective opinions of others more qualified in highly specialized areas, as well as respecting their essential dignity as humans; and how to learn lead by freeing the latent potentialities of eithed advisers – not by stifling them.

Perhaps it will be the business schools of this nation which will remind higher education not only democracy and strong leadership are not contradictory terms, but leadership can and must be taught. No other part of our university system seemingly is paying much, in any, attention to doing something about, rather than talking about, education for democratic leadership. To some faculties, leadership itself is alignosistic word barking back echoes of Teddy Roosevelt. Not so, to the faculties of modern business schools – and not so to the masses of studefits who are revolting against the lofty disengagement of many academics from the complex – and often unclean realities of our world.

Thus business will be serving the nation in interest as well as its own — if it recognizes that the right kind of young people it needs for tonforrow's managers are the brighter students who are purely intellectual, or purely pragmatic; if hoffers them a career that will satisfy their values, and if it does what it can to encourage their development.

- 21. According to the author, the business community can be best served by the student who is

 (a) practical

 (b) intellectual
 - (c) a Liberal Arts major
 - (d) practical as well as intellectual
 - (e) jingoistic
- 22. The passage implies that
 - (a) a business education is better than a Liberal Arts education
 - (b) business schools are in the forefront in the matter of liberalizing curricula
 - (c) a Liberal Arts education is superior to a
 - (d) education is of little importance to the success of the business world
 (e) business is not challenging to most students.
- 23. According to the passage, the economic health

- of our country depends mainly on
- (a) business man
- (b) business school faculties
- (c) government supervision (d) the general public
- (e) group management
- According to the author
 (a) business is an end in itself.
 - (b) the college trained business leader should continue his education throughout life
 - education has not been clearly defined.

 (d) Plato disengaged himself from the realities
 - of the (e) business education is essential to success in the business world.
 - 5. Which of the following describes business education today?
 - education today?
 - II. Realization of individual limitations
 - III. Concept of participative management
 - (a) I only
 - (b) II only
 - (c) I and II only
 - (d) I and III only (e) I. II and III
- 26. It is obvious that

 (a) our business leaders and incapable of
- competing with the collective economy system.
 - (b) things are going along at an unwholesome rate of speed
 - (c) business is growing less complex
 - (d) Teddy Roosevelt is favourably regarded by the author
 - (e) students prefer that their professors take an active in solving problems
- 27. The author views the business schools of this country as a prod to education to see to it that (a) the ability to lead must be part of the
 - (a) the ability to lead must be part of the curriculum

 (b) business education is just as important as
 - any other type of education

- (c) professors get off their "high horses" and teach realistically
- (d) a new emphasis is to be placed upon innovation
- (e) businessman must not be disregarded is what they to offer educators
- 28. The author indicates that
 - (a) business methods have drastically changed in the last decade
 - (b) there has been too much government interference in business
 - (c) the larger universities are far too impersonal in their dealings with students
 - (d) the importance of vocational education is much over-rated
 - (e) business success in the final analysis spells success for the entire nation
- 29. Businessmen, according to the passage, must recognize that
 - (a) they must set an example for young people (b) greater financial support of business schools is necessary
 - (c) business schools must be autonomous to function properly
 - (d) a primary result of a business education should be the development of individuals
 - with a wide range (e) government intervention in business schools is inevitable
 - The most appropriate title for this passage is
- 30. (a) Businessmen and Business Schools
 - (b) Youth and Business
 - (c) Business Schools
 - (d) Bright Students and Business
 - (e) The Relationship between Business
 - Education and Business

PASSAGE - II

The economic condition of the low-income regions of the world is one of the great problems of our time. Their progress is important to the highincome countries, not only for humanitarian and political reasons but also because rapid economic growth in the low-income countries could make a

substantial contribution to the expansion and prosperity of the world economy as a whole.

The governments of most high-income countries have in recent years undertaken important aid programs both bilaterally and multilaterally and have thus demonstrated their interest in the development of low-income countries. They have also worked within the General Agreement of Tariffs and Trade (GATT) for greater freedom of trade and recognizing the special trading arrangements to meet their needs. But a faster expansion of trade with highincome countries is necessary if the low-income countries are to enjoy a satisfactory rate of growth.

This statement is therefore concerned with the policies of high-income countries toward their trade with low-income countries. recommendations are based on the conviction that a better distribution of world resources and a more rational utilization of labour are in the general interest. A liberal policy on the part of high-income countries with respect to their trade with low-income countries will not only be helpful to the low-income countries but, when transitional adjustments have taken place. it will be beneficial to the high-income counties as well

It is necessary to recognize however that in furthering the development of low-income countries can play only a supporting role. If development is to be successful the main effort must necessarily be made by the people of the low-income countries. The highincome countries are more over likely to provide aid and facilitate trade more readily and extensively where the low-income countries are seen to be making sound and determined efforts to help themselves, and thus to be making effective use of their aid and trade opportunities.

It is then necessary that the low-income countries take full account of the lessons that have been learn from the experience of recent years if they with to achieve successful development and benefit from support from high-income counties. Among the most important of these lessons are the following:

Several damage has been done by inflation. A sound financial framework evokes higher domestic saving and investment as well as more aid and investment from abroad. Budgetary and monetary discipline and a more efficient financial and fiscal system help greatly to mobilize funds of investment and thereby decisively influence the rate of growth. Foreign aid should also be efficiently applied to this end

The energies of the people of low-income countries are more likely to be harnessed to the task of economic development where the policies of their government aim to offer economic opportunity for all and to reduce excessive social inequalities

Development plans have tended to concentrate on industrial investment. The growth of industry depends however on concomitant development in agriculture A steady rise in productivity on the farms, wherein almost all lowincome countries a majority of the labour force works, is an essential condition of rapid over-all growth Satisfactory development of agriculture is also necessary to provide an adequate market for and expanding industrial sector and to feed the growing urban population without burdening the balance of payments with heavy food imports. Diminishing surpluses in the high-income countries underline the need for a faster growth of agricultural productivity in low-income countries. Success in this should, moreover, lead to greater trade in agricultural products among the low-income countries themselves as well as to increased exports of some agricultural products to the high-income countries.

There can be no doubt about the urgency of the world food problem. Adequate nourishment and a balanced diet are not only necessary for working adults but are crucial for the mental and physical development of growing children. Yet, in a number of low-income countries where the diet is already insufficient the production of food has fallen behind the increase in population. A continuation of this trend must lead to endemic famine. The situation demands strenuous efforts in the low-income countries to improve the production, preservation and distribution of food so that these countries are better able to feed themselves.

- The economic conditions of the low-income 31. countries are important to high-income countries of L economic reasons
 - II. political reasons
 - III. cultural reasons
 - (a) I only (b) III only
 - (c) I and II only
 - (d) II and III only (e) I. II and III
- 32 According to the passage, governments of most high-income countries have (a) not worked for free trade with low-income
 - (b) undertaken important and programs for low-
 - income countries (c) injected massive doses of capital into low
 - income countries (d) provided training programs for low-income
 - country entrepreneurs (e) helped improve the educational systems of
 - low-income countries The major subject with which the passage is
- 33. concerned is (a) trade policies of high-income countries
 - towards low-income countries (b) foreign trade problems of low-income
 - countries (c) fiscal and monetary problems of low-income
 - countries
 - (d) trade arrangements under the GATT organization
 - (e) general economic problems of low-income countries
- 34. If low-income countries expect aid form highincome countries, they must do all of the following except
 - (a) spend the aid wisely
 - (b) put their own houses in order first
 - (c) learn form the experience of developed countries

- low-income countries should (d) curb inflation (e) de-emphasize agricultural development in (a) not accept more foreign aid than they can favour of industrial growth (b) budget the capital wisely 35. Which of the following is mentioned for its (c) reduce excessive social inequalities influence upon the rate of economic growth? (d) concentrate on commercial development (a) an efficient financial and fiscal system (e) establish agricultural communes (b) a trade surplus (c) a democratic government 39. Which of the following represents a major problems in the agricultural systems of low-(d) little reliance upon foreign aid (e) a budgetary surplus income countries?
- 36. Industrial growth depends upon a parallel population growth growth of the II. Food distribution is inefficient (a) labour force III. Food prices are too high (b) agricultural system (a) I only (c) balance of payments

(d) urban population (c) I and II only (e) monetary system (d) II and III only The passage states that participation of high-(e) I II and III 37.

income countries should be limited to (a) the percent of their GNP (b) a supporting role (c) regulations stipulated by GATT (d) what low-income countries cash absorb

(e) monetary aid only In order to better enlist the support of the 38. population in economic development efforts, I The increase in food production is less than

(b) Ill only

If low-income countries could develop economically at a faster rate, the result would

he (a) less inflation

(b) lower deficits in their balance of trade

(c) liberal trade policies (d) better distribution of world resources

(e) more equitable fiscal policies

SECTION III : PROBLEM SOLVING

 A conveyer belt moves at the rate of 2 tons in 5 minutes and a second conveyer belt moves grain at the rate of 3 tons in 7 minutes. How many minutes will it take to move 20 tons of grain using both conveyer belts?

(a) 12	(b) $16\frac{4}{7}$
(c) $18\frac{3}{28}$	(d) 21
(2) 24 4	

42. If 15 men working independently and at the same rate can manufacture 27 baskets in an hour, how many baskets should 45 men working

independently and at the same rate manufacture in 40 minutes?

(a) 27 (b) 35 (d) 54

(c) 40 (e) 81

A tank contains 10 liters' of water. If a pump takes 15-x/10 minutes to pump one litre of water out of the tank, how many minutes will take for the pump to empty the tank?

> (a) x (b) 15-10x(c) 150-10x(d) 150 - x

If the length of the rectangle is increased by 20% and the width is decreased by 20% then



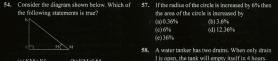
- 45. A house costs Mr.Ram, C rupees in 1995. Three vears later he sold the house for 25% more than he paid for it. He has to pay a tax of 50% of the gain. (The gain is the selling price minus the cost). How much tax must Mr.Ram, C rupees in 1995. Three years later he sold the house for 25% more than he paid for it. He has to pay a tax of 50% of the gain. (The gain is the selling price minus the cost). How much tax must Mr. Ram pay?

- (e) 0.6C
- 8% of the people eligible to vote are between 18 and 21. In an election 85% of those eligible to vote who were between 18 and 21 actually voted. In that election, people between 18 and 21 who actually voted were what percent of those people eligible to vote? (a) 4.2 (b) 6.4
 - (e) 68 C It costs 'g' paise a km for petrol and 'm' paise
- per km for all other costs to run a car. How many rupees will it cost to run the car for 100km? (b) 100g + 100m (e) g
- 48. A cab driver's income consists of his salary and tips. His salary is Rs.500 a week. During one week his tips were 5/4 of his salary. What fraction of his income for the week came from tips?
 - (a) 4/9 (c) 5/9
- (d) 5/8
- (e) 5/4

- 49. Given that x and v are real numbers, let $S(x,y) = x^2 - y^2$. Then S(3,S(3,4)) =
- (a) -40(b) - 7(c) 40 (d) 49 (e) 56
- 50. It is 185km from Villupuram to Chennai. If a bus takes 2 hours to travel the first 85km. how long must the bus take to travel the final 100km in order to change 50km an hour for the entire trip? (a) 60 min (b)75 min
 - (d) 102 min (c) 94 min (e) 112 min
- An automobile tire has tow punctures. The first puncture by itself would make the tire flat in 9 min. The second puncture by itself would make the tire flat in 6 min. How long will it take for both punctures together to make the tire flat?
 - (Assume the air leaks at constant rate.) (a) 3 min
 - (b) 4 min
- (e) 15 min
- 52. If 'a' is less than 'b', which of the following number is greater than 'a' and less than 'b'? (a) (a+b)/2(b) (ab)/2
 - (d) ab (e) b-a
 - 53. In the figure, OR and PR are radii of circles. The length of OP is 4. If OR=2, what is PR? PR is tangent to the circle with center O



- (b) 5/2 (a) 2 (d) $2\sqrt{3}$
- (e) 3√2



(a) KM< KI (b) KM<LM When both drain I and II are open, the tank (c) KI +I M<KM (d) KI < I M empties in 21/2 hours. How long does it take for (e) KL>LM the tank to empty if only drain II is open? In a survey of the town of 'X', it was found that 55. (b) 2hours 65% of the people surveyed watched the news

on television, 40% read newspaper and 25% read newspaper and watched the news on television. What percent of the people surveyed neither watched the news on television nor read a newspaper?

(a) 0% (b) 5% (c) 10% (d) 15%

(e) 20%

56. A screwdriver and a hammer currently have the same price. If the price of a screwdriver rises by 5% and the price of the hammer goes up by 3%, how much wore till it cost to but screwdrivers

and 3 hammers?

(a) 3% (c) 5%

(e) 24%

A drawer contains 6 red socks and 4 blue socks. What is the probability that if 2 socks are picked (without looking) from the drawer, both of the

socks will be red? (a) 2/15 (b) 4/15

(e) 3/5

60. The area of the isosceles triangle ABC is 48. AD=DC and AE=EB. Let x be the area of the

> rectangle DEFG. Then x equals (b) 12

(c) 18 (d)24

SECTION - IV : DATA SUFFICIENCY

Directions: Each of the following problems has a question and two statements which are labeled (1) and (2) in which certain data are given. You have to decide whether the date given in the statements are sufficient for answering the question. Using the data given in the problem plus your knowledge of mathematics and every day facts, choose:

- (A) if you can get the answer from (1) ALONE but not from (2) alone.
- (B) if you can get answer from (2) ALONE but not from (1) alone

- (C) if you can get answer from BOTH (1) and
 - (D) if EITHER statement (1) ALONE or statement (2) ALONE suffices.
 - (E) if you CANNOT get the answer from statements (1) and (2), but need even more data
- 61. How much is the average salary of the 30 assembly workers? The foreman is paid a salary of Rs.12.000.

- (a)The total salary paid to the assembly workers and the foreman is Rs.3,12,000
- (b) The foreman's salary is 120% of the average salary of the assembly workers.
- 62. How far is it from town 'A' to town 'B'? Town 'C' is 12 km east of town 'A'.
 (a) Town 'C' is south of town 'B'
 (b) It is 9 km from town 'B' to town 'C'
- 63. Is DE parallel to AB?



- (a) The triangle DEC and ABC are similar (b) CE = EB
- 64. How many of the numbers x and y are positive?

 Both x and y are less than 20.

 (a) x is lees than 5

 (b) x+y=24
- 65. A sequence of numbers is given by them $a_n = a_{p,1} + 2$. Is a_{10} an even integer?
 (a) a_p is even
 (b) a_p is 24
- 66. Which side of the triangle ABC is the longest?



- (a) z > y(b) $y = 40^{\circ}$
- 67. If x =k, is the expression x³+ax²+bx equal to zero?



- (a) a = 0(b) $-b = k^2$
- The figure represents a square and a semicircle
 What is the combined of the above figure?

 (a) The radius of the semicircle is 7
 (b) A side of the square is 14
- 69. How many meter long is the edge of a certain cubical box?
 - (a) The number of cubic meter in its volume is 9 times the number of meter in its edge
 (b) The number of square meter in its total
 - b) The number of square meter in its total surface area is 18 times the number of meter in its edge.
 - Does T=24?

 (a) The average (average means of A,B and T is 8)

 (b) -A=B
 - Is the radius of circle O a whole number?

 (a) the circumference of circle O is 2?

 (b) The ratio of the circumference of circle O to the area of circle O is ½
- 72. Is a^2 an integer?

 (a) a is a negative whole number

 (b) $4a^2$ is an integer

heights.

- 73. What is the distance from point A to point C?(a) The distance from point A to point B is 5"(b) The distance from point B C is 4"
- 74. Are two triangles congruent?

 (a) They are both equilateral triangles.

 (b) They both have equal bases and equal
 - A cylindrical tank has a radius of 10m and its height is 20m. How many litres of a liquid can be stored in the tank?
 (a) A litre of the liquid occupies about
 - 0.1 m³ space (b) The diameter of the tank is 20m

granof triangle LLG.

76. Do the rectangle ABCD and the square EFGH have the same area.
 (a) AC = EG, AB = 1/2 EH
 (b) The area of triangle ABC is not equal to the



- John and Lal are standing together on a sunny day. John's shadow is 3.2m long. Lal's shadow is 2.9m long. How long is Lal? (a) John is 1.9m tall
 - (b) John is standing 0.6 m away from Lal
- What is radius of the circle with center O?



SECTION - V: ENGLISH USAGE

- Directions: In each of the following sentences four words or phrases have been underlined. Only one underlined part in each sentence is not acceptable in standard English. Pick up that part (1) or (2) or (3) or (4). If there is no mistake mark (5).
- This young pianist sa person with great promise and who should be encouraged.
- My aunt, whom we admire almost too much, has given we boys ten rupees each to spend at the fair tomorrow. No error
- In her note the teacher asked the principal to give some chalk from his supply room to whomever of us boys would go down to pick it up. No error.

- (a) The area of circle is 25 π
- (b) The area of the circle is divided by the diameter of the circle is equal to π times of the radius of the circle
- There are 450 boxes to load on a truck: A and B are working independently but at the same time take 30 minutes to load the truck. How long should it take for B working by himself to load the truck? (a) A loads twice as many boxes as B
 - (b) A would take 45 minutes by himself.
- 80. Does a circle with diameter d have greater area than a square of side s? (a) d (\2) s

- 86. When the final story has been written for that final newspaper sometime in the future you can be sure that it's substance will be some violent act that has occurred. No error
- 87. To join the club, a deposit must be made in advance. No error.
- 88. One of the salesman's cases was lost, because he had been careless while checking out of the hotel. No error.
- labour contract, together with the fringe benefit package and inflation
 - cause, have only a limited chance of being

approved by management during the next collective bargaining sessions. No error.	so that everyone of the students is able to refer
4 5	to it at all times. No error.
Who's book was lying on the table when	97. We strongly recommend that John is told
the fire drill occurred? No error.	1
	about his physical condition as soon as possible in order to allow him to make the
Whenever these three eminent	necessary arrangements. No error.
scientists spoke to each other an	necessary arrangements. <u>NVOCTOR</u> .
argument was bound to ensure. No error.	98. Sanjay, the foreman of the production line, told
Neither Ram nor Sam has the slightest	Mr.Dileep that he had inadvertently 2 3
idea to whom this letter should be	shipped out a defective batch. No error. 4 5
addressed to because the original	99. Sameer is <u>among</u> the very few
envelope <u>has been lost</u> . <u>No error.</u>	individuals who critics regard as 2 3
After the battle was over, the soldiers	genuinely significant in both the history of
will advance to the front lines. No error.	art and the history of literature. No error.
3 0 4 5	

He is more clever than his sister. No error.

This new model travels faster then last year's

model, which it supersedes. No error.

The set of texts required for this assignment is to be found in the library,

94.

95.

100. Despite the revolutionary implications of Darwin's theories, which won practically

universal acceptance among biologists and 3 cher scientists within relatively short time, as compared, as compared with other intellectual movements of similar importance. No error. 4 4 5 cm.