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T.B.C: P-SIA-D-UPGI

Serial: 737246

PRESTORMING™

CSAT

TEST BOOKLET

A

Mock Test 4

Time Allowed: Two Hours

Maximum Marks: 200

I N S T R U C T I O N S

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES *NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. ENCODE CLEARLY THE TEST BOOK SERIES **A, B, C** OR **D** AS THE CASE MAY BE IN THE APPROPRIATE PLACE IN THE ANSWER SHEET.
3. You have to enter your Roll Number on the Test Booklet in the Box.
Provided alongside. *DO NOT* write anything else on the Test Booklet.
4. This Test Booklet contains **80 items** (questions). Each item is printed in **English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. All items carry equal marks.
7. Sooner than you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.

10. Penalty for Wrong answers

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third (0.83)** of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Directions for the following 5 (Five)

items: Read the following 5 Passages and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

Within 20 years it will probably be possible to identify the genetic susceptibility an individual may have toward any particular disease. Eventually, effective strategies will be discovered to counteract each such susceptibility. Once these effective strategies are found, therefore, the people who follow them will never get sick.

1. The argument above is based on which of the following assumptions?
 - (a) People will follow medical advice when they are convinced that it is effective.
 - (b) All human sicknesses are in part of the result of individual's genetic susceptibilities.
 - (c) The DNA, the basic genetic material, of all human beings is the same
 - (d) In future, genetics will be the only medical specialty of any importance.

PASSAGE 2

There is much sound, but little stuff in India's fashion business. Much like our cinema—whose makers have been beating the drums from the rooftops saying that their films are runaway successes in the West, whereas the truth is that

they are hits merely with the expatriate Indian communities there, and which by itself is not surprising given the fact that only a few Hindi movies travel across—our fashion is a lot of hype. Let us not forget that it is serious business not just in the West, but also in countries such as Japan and China, where standards are so high that only the very best survive.

2. Which is the following **rational conclusions** can be drawn from the above passage?
 - (a) Indian fashion industry is, like Indian cinema, popular abroad only among expatriate Indians and as such do not have that quality as is often claimed to have
 - (b) As against the West and the Far-East countries, Indian fashion industry is amateur like Indian film industry and that's why popular only among expatriate Indians
 - (c) Like Indian film industry, the hype woven around Indian fashion industry's success abroad is actually hoopla and lacks professionalism enjoyed by the industry in the West and the Far East
 - (d) The self proclaimed superiority of Indian fashion industry, like that in the West and Japan-China is in words of Shakespeare "full of sound and fury signifying nothing".



PASSAGE 3

Instead of relying on general tax revenue, as it now does, the government should rely more heavily on passenger fares to finance public bus and train service. In order for public transportation to be maintained without cutting service, users should pay all the operating costs even if these costs should increase. Such charges would be fair since only users benefit from public transportation.

3. Which of the following is a principle on which the position above could be based?
- (a) The government should provide support from general tax revenue to any transportation industry that has passenger service available to the public.
 - (b) General tax revenues should not be used to finance public services that benefit a limited number of people.
 - (c) If necessary, general taxes should be raised to ensure that public transportation services are provided.
 - (d) The number of users of a public service should determine the amount of governmental financial support for the service.

PASSAGE 4

The Govt. has decided to remove all the unauthorised dwelling on the footpaths of all the cities in state and keep them free from further encroachments.

4. Which among the following is the **most logical and rational inference** that can be made from the above passage?
- (a) The Govt. has in the past taken such decisions.
 - (b) Encroachments are unauthorised structures and Govt. has authority to raze them down.
 - (c) The Govt. machinery in the past was not equipped to take such actions.
 - (d) The Govt. is occasionally blamed for taking biased decisions.

PASSAGE 5

A scientist is supposed to have a complete and thorough knowledge, at first hand, of some subjects and therefore, is usually expected not to write on any topic of which he is not a master. This is regarded as a matter of noblesse oblige. For the present purpose, of writing this book, I beg to renounce the noblesse, if any, and to be freed of the ensuing obligation.

5. Which among the following is the **most logical inference** of the above statement?
- (a) The author is about to write on a topic he is ignorant.
 - (b) The author is a scientist.
 - (c) The author has written at least one book prior to this.
 - (d) None of the above.



6. A number N gives 5 as remainder when divided by 148. When the same is divided by 37, the remainder is:

- (a) 6
- (b) 5
- (c) 4
- (d) 0

Directions (7): Refer to the data below and answer the questions that follow:

For two numbers 'a' and 'b'

$$P(a, b) = a - b; Q(a, b) = a \times b;$$

$$R(a, b) = a \div b; S(a, b) = a + b$$

$$\text{Given } a = 1, b = 2, c = 3$$

7. The value of $P(a, Q(b, R(b, c)))$ is:

- (a) > 0
- (b) < 0
- (c) 1
- (d) 0

8. Anil wants to divide Rs. 100 into a number of bags so that one can ask for any amount between Rs. 1 and Rs. 100, he can give the proper amount by giving certain number of these bags without taking out the amount from them. What is the minimum number of bags he will require if each bag has whole number of rupees?

- (a) 5
- (b) 6
- (c) 7
- (d) 8

9. A certain number of people agree to subscribe as many rupees each as there are subscribers. The whole subscription is Rs. 2582449. Find the number of subscribers.

- (a) 1607
- (b) 1291225
- (c) 1503
- (d) 1603

10. A man had four sons. The number of children that each of the four sons have is a prime number. The man gave equal number of gold bars to each of the four sons so that each of them can distribute the gold bars amongst his children without breaking them. The minimum number of gold bars that the man has given to each is four sons is equal to:

- (a) HCF of the number of grandchildren and four
- (b) HCF of numbers of children that his four sons had
- (c) LCM of number of children that his four sons had
- (d) The sum of numbers of children that his four sons had.

11. How many such pairs of letters are written in the word COMPOSE each of which has many letters between them in the word as they have between them in English alphabetical series?

- (a) None
- (b) One
- (c) Two
- (d) Three

Directions (12-13): Study the given questions carefully and answer the given question.

C is the daughter of the one who is the son of B. There is only one married couple in the group. F is the brother of E, who is the daughter of D and granddaughter of B. A is the mother of C, who is married couple in the group.

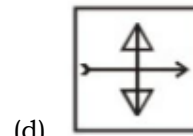
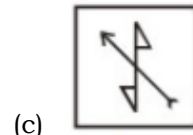
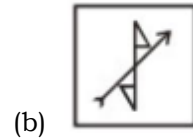
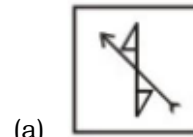
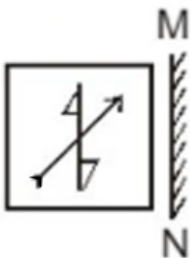
12. What is true with respect to F?

- (a) F is the son of B and A
- (b) the daughter of C and E
- (c) F is the son of D and A
- (d) F is the daughter of B

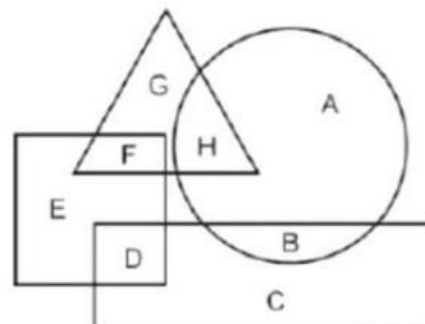
13. How is B related to E?

- (a) B is the uncle of E
- (b) B is the grandfather of E
- (c) B is Grandmother of E
- (d) Cannot be determined

14. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



15. In the following figure, rectangle represents Film critics, circle represents Bakers, triangle represents Divers and square represents Football players. Which set of letters represents Football players who are not Divers?



- (a) ED
- (b) FD
- (c) GH
- (d) DC



Directions for the following 5 (Five)

items: Read the following 5 Passages and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

In order to increase profits during a prolonged slowdown in sales, the largest manufacturers of automobiles in India have instituted price increases on all their models with some freebies as incentives. The manufacturers believed that this strategy will succeed, even though it is inconsistent with the normal relationship between price and demand.

16. The manufacturers' plan to increase profits relies on which of the following **logical and rational assumptions**?

- (a) Low financing and extended warranties will attract many price conscious consumers.
- (b) The increased profit made on cars sold is enough to compensate for any decline in sales caused by the price increase.
- (c) Automobile manufacturers will, of necessity, raise prices whenever they introduce a new model.
- (d) New safety restraints that will soon become mandatory for all new cars will not be very costly for manufacturers to install.

PASSAGE 2

The neurons in the human brain have a unique property: they are cells that, in adults, do not divide. This property makes them immune from cancer. If the mechanism that keeps neurons from proliferating can be found and transferred to other types of cells, the complete prevention of the cancer afflicting those cells will be possible.

17. Which among the following is the **most logical assumption** that can be made from the above passage?

- (a) Cancer depends on the periodic division of cells for its infliction.
- (b) The human brain contains cell types other than neurons.
- (c) The mechanism that keeps neurons from proliferating in adults has never been known to fail.
- (d) The process of normal cell division has been studied extensively and is well understood.

PASSAGE 3

Company X increases the salary of its employees in the first month of the year on the basis of their existing salary. It adds a percentage increment to the salary, based on the increase in the rate of inflation of the country since the last increment.

18. Which of the following leads to a criticism of the method employed for determining the increase in the wages?

- (a) The rate of inflation cannot really be predicted in advance.
- (b) It is not necessary to increase the salary of the people every year.
- (c) Many people might not feel satisfied with this arrangement.
- (d) This kind of method does not give any incentives for working better than others.



PASSAGE 4

In the last decade, there has been a significant decrease in coffee consumption. During the same time, there has been increasing publicity about the harmful effects of caffeine on health. Therefore, the decrease in coffee consumption must have been caused by consumers awareness of the harmful effects of caffeine.

19. Which of the following, if true, most seriously weakens the conclusion made in the passage?
- (a) The consumption of fruit-juices and caffeine-free herbal teas has also decreased over the past decade.
 - (b) Coffee prices increased steadily in the past decade because of unusually severe rainless dry period in the coffee growing areas in south India, Karnataka (Coorg) in particular.
 - (c) Sales of special types of coffee have held steady as sales of regular brands have declined.
 - (d) On an average, people consume 30% less coffee today than they did 10 years ago.

PASSAGE 5

Legitimacy of a government is one that has been an incessant thorn for the international community. One would assume that the post cold-war ideology which believes that the best and only form of a legitimate government is the one which is elected through a democratically held election would settle matters easily with election being the only benchmark for determining legitimacy.

But then to classify a democratically elected government which refuses its citizenry the most basics of democratic rights as the representatives of its people would be a gross human rights violation.

20. Which of the following statement can be the logical corollary to the above passage?
- (a) But the recognition that such government has from the international community is also an important element determining the legitimacy of such government.
 - (b) This creates a rather meek reality for the many struggling in the middle east or the other regions for the new government they aim to create would be subject to a more rigorous international diplomatic scrutiny than their tyrannical counterparts they would be replacing.
 - (c) The moral compass of the nation states whose recognition is sought is a subjective tool and can liberally sway in the direction that favours that nation's own national interest or even soothe the ruling party's vote banks.
 - (d) Sanction of the citizen which it seeks to represent is an important source for deriving legitimacy for a government.
21. On an average my income for 15 days Rs. 7, the average for the first 5 days was Rs. 6 and the average for the last 9 days was Rs. 8. What was the income on the sixth day?
- (a) Rs. 4
 - (b) Rs. 2
 - (c) Rs. 3
 - (d) Rs. 5



22. The average age of a committee of seven trustees is the same as it was five years ago, a younger man having been substituted for one of them. How much younger was he than the trustee whose place he took?

- (a) 32 years
- (b) 35 years
- (c) 33 years
- (d) 34 years

23. An electrical contractor purchases a certain amount of wire, 10% of which was stolen. After using 85% of the remainder, he had 47m and 25cm of wire left. How much wire did he purchase?

- (a) 325m
- (b) 350m
- (c) 96m
- (d) 103m

24. The population of two parts of a town i.e., the upper and the lower parts of a town were equal. After the former had fallen 20 per cent and the latter has risen by 15 per cent, the total number of inhabitants was 39390. What was the population of each part of first?

- (a) 32825
- (b) 20200
- (c) 21435
- (d) 76810

25. There are four times as many chocolates in the houses as there are male members. Each female gets 3 chocolates and each male gets 1 chocolate. What can be said about males and females of the family?

- (a) There are more males than females in the family
- (b) There are more females than males in the family
- (c) There are equal number of males as females
- (d) Cannot be determined

Directions (26): In each question below are three statements numbered I and II. You have to take the three given statements variance with commonly known facts and then decide which of from the three statements disregarding commonly known facts.

26. Which of the two conclusions can be concluded on the basis of given statements?

Statements

- I. All numbers are digits
- II. All Alphabets are numbers
- III. All words are alphabets

Conclusions

- I. All words are digits
- II. Some numbers are not words

Give answer

- (a) If only Conclusion I follows
- (b) If only Conclusion II follows
- (c) If either Conclusion I or Conclusion II follows
- (d) If neither Conclusion I nor Conclusion II follows



27. 1, 3, 24, 360, 8640, 302400, (?)

- (a) 14525100
- (b) 154152000
- (c) 14515200
- (d) 15425100

28. In certain code language "SERIES" is written as "QCGTGU". How is EXPERT written in that code language?

- (a) VTGRZG
- (b) RPCRZG
- (c) GZRCPR
- (d) RPCGZR

Directions (29-30): Study the information and answer the following questions

In a certain code language

Get details for venue - fe wi mo rs

Venue book required details - rs gt rd wi

Guest get more venue - ra fe gk rs

29. What is the code for 'details' in the given code language?

- (a) fe
- (b) mo
- (c) wi
- (d) ra

30. What is the code for the word 'guest venue' in the given code language?

- (a) gt, gk
- (b) fe, mo
- (c) rs, ra
- (d) gt, ra

Directions for the following 5 (Five)

items: Read the following 1 Passage and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

Two decades after the first Earth Summit at Rio De Janerio, significant progress has been made on the road to sustainability. But more fundamentally, today's world is a different place. The Rio+20 summit takes place against the backdrop of a changing global landscape, an international economic crisis, rising global population levels, increasing global resource use and despite all the progress, an unacceptable level of poverty. The community of states thus bears an even greater responsibility to move to a new stage in our collective search for inclusiveness and sustainability.

Today's economic crisis is not only a result of irresponsible behaviour of some in the financial sector, coupled by lax regulatory oversight, it is also the result of deep-seated imbalances that need to be corrected if we want to generate more sustainable growth. These are not only global economic imbalances but also imbalances in our ecological footprint. During the twentieth century, global economic output multiplied 40-fold and standards of living rose enormously.



But this came at a price and was based on an unsustainable use of scarce global resources—fuels, metals, minerals, timber, water, and ecosystems. By 2050, the world's population will reach nine billion—so the imperative to act together is undeniable. If we do not meet this challenge, we'll need the equivalent of two planets to sustain us.

At the G20 summit in Mexico, we discussed the need for stable economies and increased growth. Rio offers the world the opportunity to steer this growth toward and inclusive and sustainable path. We should not let escape this opportunity.

The European Union is committed to achieving concrete outcomes from Rio. We have suggested goals and targets for key areas that underpin a green economy: water oceans, land and ecosystems, forests, sustainable energy, and resource efficiency. These goals are essential for sustainable growth. They are also inextricably linked to the issues of poverty eradication, social development, food security and nutrition. It is the poorest in our societies who will suffer most if we use our resources unsustainably.

31. What is/are scenario(s) amidst which Rio+20 summits take place?

- (a) Frequent rise in petroleum prices
- (b) Incensement in the availability of resources globally.
- (c) Alteration in the landscape all over the world.
- (d) only B & C

32. What could be the reason for the economic crisis, present day world has been facing?

- (a) Lack of responsibility in the behaviour of some in the financial sector.
- (b) In appropriate regulatory system and global economic imbalances.
- (c) The European Union is not concerned about the economic crisis.
- (d) Both A&B

33. What was discussed at the G20 summit in Mexico?

- (a) The need of stable economies
- (b) Opportunity to steer the growth
- (c) Need for increased growth
- (d) Both A&C

34. According to the author, which of these factors are needed for sustainable growth?

- (a) Correction of deep-seated imbalances
- (b) Need of sustainable use of scarce global resources
- (c) To promote green economy
- (d) All of the above



35. How does the author connect economy and environment issues together?
- Only because economical activities take place on land, a part of ecosystem
 - Since environmental activities too need money
 - Sustainable growth is a key concept in economic growth
- (a) (i) & (iii) are correct
(b) All (i), (ii), and (iii) are correct
(c) Only (iii) is correct
(d) None of these are correct
36. A camera costing Rs. 550 is marked to be sold at a price, which gives a profit of 30%. What will be its selling price in a sale when 20% is taken off the marked price?
- (a) Rs. 600
(b) Rs. 572
(c) Rs. 635
(d) Rs. 605
37. Ramesh had p marbles. First, he gave q marbles to Vijay. Then, he gave $\frac{1}{3}$ rd of what was left to Vimal. How many marbles did Ramesh have in the end?
- (a) $\frac{1}{3}(p-q)$
(b) $\frac{2}{3}(p-q)$
(c) $\frac{3}{2}(p-q)$
(d) $\frac{1}{2}(p-q)$
38. A merchant sold two dresses for Rs. 2400 each. He made a 25% profit on one and lost 20% on the other. What was his net gain or loss on the sale of the two dresses?
- (a) Rs. 480 gain
(b) Rs. 120 gain
(c) Rs. 120 loss
(d) Rs. 480 loss
39. Manikchand purchased 60 kg of cereals (rice and wheat) for Rs. 700. The cost per kg of rice was Rs. 15 and that of wheat was Rs. 10. Find the quantity of rice and wheat purchased?
- (a) 25 kg, 35 kg
(b) 15 kg, 45 kg
(c) 10 kg, 50 kg
(d) 20 kg, 40 kg
40. A labourer works on daily wages at Rs. 180 per day. He works for all 31 days in a month and his salary is cut if he fails to come. Also, he has to pay a fine of Rs. 5 per day if he is absent for 1 day, Rs. 10 per day if he is absent for two days continuously. He takes leave on following dates of a month 15th, 16th, 18th, 20th, 21st and 22nd. Find the salary that he received at the end of this month?
- (a) Rs. 4430
(b) Rs. 4400
(c) Rs. 4500
(d) Rs. 5510



Directions (41-45): Study the information given below and answer the questions based on it.

There are 9 persons A, B, C, D, E, F, G, H and I. Each of them have their birthday in one of the three months - February, July and September of the same year. But not necessarily in the same order. They are also born on three different dates 4, 21 and 28.

Three persons were born between F and G. F is born before G. A is born immediately before or after G. I is born in a month which has less than 30 days and the date is a multiple of 3. There was only one person born between I and F. B and H were born in the same month. H was born on a date which is a multiple of 14. E and D were born on the same date. E was born before D. The number of persons born between F and G is the same as that of E and A.

41. How many persons were born between E and H?

- (a) 3
- (b) 6
- (c) 4
- (d) 2

42. Which group of persons were born in the month of July?

- (a) C, F, A
- (b) F, B, G
- (c) A, G, D
- (d) F, B, H

43. G was born on which of the following dates?

- (a) 21 February
- (b) 4 February
- (c) 21 September
- (d) 4 September

44. Find the odd one out.

- (a) BH
- (b) GA
- (c) EI
- (d) CD

45. Which of the following is the correct combination of month date and persons?

- (a) July – F – 21
- (b) February – B – 4
- (c) September – A – 4
- (d) July – B – 28

Directions for the following 5 (Five)

items: Read the following 4 Passages and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

It appears that there are basically two types of scientific innovators. The first ones are innovators in totality who conceive the idea that may have never existed before. They derive inspiration from events, incidents and traditions occurring in their surroundings or even from folk stories floating around. The other ones are the incremental innovators who work on existing objects and ideas to bring some newness therein. Development of several modern drugs from Ayurvedic texts and folklores fall in this category.



46. The **main idea** of the passage is that:

- (a) Innovators in totality conceive new ideas from events and traditions such as the tradition of Ayurvedic medicine in ancient India. Incremental innovators improve existing ideas.
- (b) Scientific innovation takes the form of inception and development of new ideas, and study for refining existing ideas. Application of Ayurveda in modern medicine is an example of the latter.
- (c) Innovators are either incremental or total innovators. Incremental innovators conceptualize new ideas while total innovators utilise events, incidents and traditions to conceive improvements
- (d) Conception on new ideas and improvements of ideas are some of the several forms of scientific innovation. The former draws on events or incidents while the latter draws on existing objects.

PASSAGE 2

“If the islanders are doomed to have local self governance—and it is the islanders who have determined this—then they should be ready to bear the negative consequences of local self governance,” said a British colonist as he left the shores of the island he was governing.

47. Which of the following, if true, would weaken his argument?

- (a) Local rulers are always more interested in the development of their country than foreign colonists
- (b) Local self governance is not child’s play
- (c) The islanders are equally qualified and competent, if not more than the colonists, to run their own government
- (d) A group of islanders were against the transfer of power

PASSAGE 3

The head of CSR was quoted as saying that the Consumer Price Index (CPI) will go down next month because of a recent drop in the price of petrol and steel.

48. Which of the following **cannot be inferred** from the statement?

- (a) The cost of petrol and steel has gone down sharply
- (b) Consumption of petrol and steel has gone up
- (c) Petrol and steel are major items in the CPI
- (d) The changes in the cost of petrol is reflected quickly in the CPI



PASSAGE 4

The Incandescent brand fruit juice claims to be the most original fruit juice available on the market today. To prove this claim, the company marketing Incandescent called 10 people and asked them about their thoughts on fruit juices available on the market today. Nine of them stated that they unequivocally drink Incandescent brand fruit juices on a regular basis because it is closest to the taste of real fruits.

49. Which of the following would most weaken this argument?

- (a) The Incandescent brand fruit juice is highly addictive
- (b) The 10 people called were related closely to top executives of the company
- (c) Most people prefer cola drinks to fruit juices. Here, Incandescent is a poor third to Coke and Pepsi.
- (d) The 10 people were selected at random.

50. Which one of the following views corroborates (strengthen) the above statement?

- (a) The Incandescent brand fruit juice is highly addictive
- (b) The 10 people called were related closely to top executives of the company
- (c) Most people prefer cola drinks to fruit juices. Here, Incandescent is a poor third to Coke and Pepsi.
- (d) The 10 people were selected at random.

Directions (51-52): Refer to the data below and answer the questions that follow:

The ratio of white collar to blue collar employees in a firm is 8:3. Also ratio of male employees to female employees is 7:4. It is observed that 60% of the white collar employees are males.

51. What is the ratio of female white collar employees to male blue collar employees?

- (a) 16:11
- (b) 24:11
- (c) 3:1
- (d) Data Insufficient

52. If there are 48 female blue collar employees, what is the difference between male white collar employees and female blue collar employees?

- (a) 288
- (b) 240
- (c) 220
- (d) Data Insufficient

53. In a partnership between Amit, Vijay and Kumar, Amit invests Rs. 2000. If in a profit of Rs. 1600, Amit's share is Rs. 400 and Kumar's share is Rs. 200, the amount invested by Vijay is:

- (a) Rs. 3000
- (b) Rs. 5000
- (c) Rs. 6000
- (d) Rs. 6500



54. A bonus of Rs. 985000 was divided among 300 workers of factory. Each male worker gets 2500 rupees. Find the number of male workers in the factory.

- (a) 253
- (b) 47
- (c) 94
- (d) 206

55. A can finish a job in 12 days and B when working at twice his efficiency finishes a job in 9 days. How many days will they take if they work for two days alternately working at their standard rate given that A starts first?

- (a) 4
- (b) 12
- (c) 14
- (d) 6

Directions (56-60): Study the following information carefully and answer the given questions.

Seven persons E, F, G, H, S, T and U buys seven different items namely viz. Tie, Coat, Ring, Nail paint, Shirt, Diary and Goggles on different days. One person buys one item in a day.

Four persons buys items between E and the one who buys Tie. The one who buys coat, buys immediately after the one who buys Tie. Two persons buys items between H and the one who buys Tie. T buys immediately after H. F buys his item immediately after the one who buys Diary.

Two person buys items between the one who buys coat and the one who buys Shirt. S buys Ring. Goggles was bought immediately after E. Two persons buys item between the one who buys ring and the one who buys Diary. U buys his item immediately before G.

56. Who among the following buys Nail paint?

- (a) U
- (b) G
- (c) H
- (d) T

57. Which item was bought immediately after Shirt?

- (a) Diary
- (b) Goggles
- (c) Tie
- (d) Coat

58. How many persons buys items between S and F?

- (a) One
- (b) Two
- (c) Three
- (d) Four

59. Which of the following combination is true?

- (a) G- Tie
- (b) H- Diary
- (c) T- Goggles
- (d) E- Diary

60. Who among the following buys immediately before ring?

- (a) U
- (b) G
- (c) H
- (d) T



Directions for the following 5 (Five)

items: Read the following 5 Passages and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

India cannot make a rapid progress because India has a problem of population explosion.

61. Which among the following is the **most critical inference** that can be made from the above statement?

- (a) No country with population explosion can make a rapid progress
- (b) Only a country without population explosion can make a rapid progress
- (c) Some countries with population explosion cannot make a rapid progress
- (d) All countries which have a problem of population explosion can make a rapid progress

PASSAGE 2

“Dying with dignity” is a topic that has inspired deep debate among the members of the medical community. Should an individual be allowed to determine when he or she wants to die? Should a person who is merely receiving palliative care that provides no hope of a cure be allowed to tell a doctor to stop all treatment so she can die in peace? How can a doctor know if a patient has the mental capacity to decide for herself that the time has come to stop fighting the disease? It is a challenging and persistent debate.

62. The passage suggests that in cases of extreme illness, doctors may have difficulty in determining their patients’

- (a) State of mind
- (b) Prognosis
- (c) Tolerance of pain
- (d) Ability to remember facts

PASSAGE 3

Modern bourgeois society, said Nietzsche, was decadent and enfeebled—a victim of the excessive “development of the rational faculties at the expense of will and instinct.” Against the liberal-rationalist stress on the intellect, Nietzsche urged recognition of the dark mysterious world of instinctual desires—the true forces of life. Smother the will with excessive intellectualising and you destroy the spontaneity that sparks cultural creativity and ignites a zest for living. The critical and theoretical outlook destroyed the creative instincts. For man’s manifold potential to be realised, he must forego relying on the intellect and nurture again the instinctual roots of human existence.

63. Which is the **most logical, rational and crucial message** that is implied in the above passage?

- (a) Nietzsche urges the decadent and enfeebled modern society to forego intellect and give importance to creative instincts
- (b) Nietzsche urges the decadent and enfeebled modern society to smother the will with excessive intellectualising and ignite a zest for living
- (c) Nietzsche criticises the intellectuals for enfeebling the modern bourgeois society by not nurturing man’s creative instincts
- (d) Nietzsche blames excessive intellectualisation for the decline of modern society.



PASSAGE 4

Company X recently bought Company Y. Since the two companies had previously been the only companies manufacturing cardboard containers, Company X now has a monopoly in this particular branch of industry and therefore will probably raise the price of its cardboard containers.

64. Which of the following statements, if true, would most seriously weaken the claim made above?
- (a) There has been a recent increase in demand for cardboard containers.
 - (b) Manufacturers of cardboard containers face increasingly stiff competition from manufacturers of plastic containers.
 - (c) An increase in the price of cardboard containers would not necessarily increase the retail price of items packed in these containers.
 - (d) The cost of lumber is a major determinant of the cost of cardboard containers.

PASSAGE 5

Stripping terrorists of their citizenship is tempting for governments and satisfying for voters. It allays concerns that jihadists may recruit and radicalise susceptible inmates while in prison, or that they might one day again roam France and wreak havoc. The symbolism—that a person waging war against France is no longer French—is politically popular: three-quarters of French people support Mr. Hollande’s proposal, according to a recent poll. Yet many on France’s left see it differently. They say that the planned law could foment radicalisation by sending the message to dual-citizen Muslims that they are less French than the rest of society and, by creating unequal categories of citizenship, betray the cherished “egalite” enshrined in France’s constitution.

65. The author’s viewpoint can be **best summed up** in which of the following statements?

- (a) Revoking the citizenship of terrorists is a very popular idea in France. However this could also have repercussions such as alienating citizens with dual citizenship and a violation of the “egalite” principle.
- (b) French President Hollande has proposed stripping jihadists of citizenship as this may be used to radicalise prison inmates. However, the decision could also create unequal categories of citizenship.
- (c) In a symbolic gesture the French are demanding revoking the citizenship of known terrorists. This will prevent the recruit of prison inmates for antinational agendas.
- (d) Francoise Hollande has proposed a new bill to strip terrorists of their citizenship. This is an intensely debated argument.

66. In a school trip, the students were accommodated in two rooms A and B. If 5 students are shifted from room A to room B then there will be equal number of students in both the rooms. But if 5 students from room B is shifted to room A, then the resulting number of students in room A is double the number of students left in room B. Find the total number of students.

- (a) 60
- (b) 35
- (c) 25
- (d) 80



67. In an election for the President, 261 valid votes are cast, for the 5 contestants. Find the least number of votes a candidate requires to receive to win the election
- (a) 53
(b) 54
(c) 257
(d) 72
68. The sum of the present ages of Sujith and Leela is 47 years. Ten years ago, Sujith's age was 13 times the difference in their present age. Find the Leela's present age.
- (a) 23 years
(b) 24 years
(c) 25 years
(d) 26 years
69. Annual incomes of A and B are in the ratio 4:3 and their expenses, as 3:2. If each saves Rs. 600 at the end of the year, find the annual income of each
- (a) 1200, 900
(b) 1500, 1125
(c) 2400, 1800
(d) 3600, 2700
70. A man had to walk a certain distance. He walked half the distance at a speed of 4km/hr. and the remaining half at 5km/hr. If the total time taken was 9 hours, the distance was:
- (a) 9 kms
(b) 20 kms
(c) 40 kms
(d) 50 kms
71. If 'A \$ B' means 'A is brother of B', 'A @ B' means 'A is wife of B', 'A # B' means 'A is daughter of B' and 'A & B' means 'A is father of B', then which of the following expressions indicates the relationship 'K' is father-in-law of H?
- (a) H @ J \$ L # P & K
(b) H @ J \$ P & L # K
(c) H @ J \$ L # K & P
(d) H @ P \$ J & L # K
72. The year next to 2005 will have the same calendar as that of the year 2005?
- (a) 2016
(b) 2022
(c) 2011
(d) None
- Directions (73-74):** Study the information carefully to answer the given questions:
- Among five friends P, Q, R, S and T each bought a saree of a different price. P paid more than both T and R. Only Q paid more than S. R did not pay the minimum amount. R paid Rs 2000 for the saree.
73. Who among the following paid the second-highest amount?
- (a) Q
(b) S
(c) R
(d) T



74. Who among the following possibly paid Rs 1500?

- (a) Q
- (b) S
- (c) R
- (d) T

75. Which of the two conclusions can be concluded on the basis of given statements?

Statements

- I. Some stones are rocks
- II. All rocks are hills

Conclusions

- I. All rocks being stones is a possibility
- II. At least some hills are stones

Give answer

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Both conclusion I and II follow
- (d) Either conclusion I or II follow

Directions for the following 5 (Five) items: Read the following 4 Passages and answer the items that follow. Your answers to these items should be based on the passages only.

PASSAGE 1

Although network convergence is more visible than convergence of consumer devices, it is all too obvious that previously independent groups of services and customer premise devices are increasingly merging into one another, substantially barring the distinctions between them. It is a common misconception that convergence is purely a technological entity.

The fact is that although technology is the driving force for convergence, the phenomenon itself is essentially about services, about new ways of doing business and of interaction with society.

76. What is the **most logical, rational and crucial message** that is implied in the above passage?

- (a) Convergence is not about or of technology, it is about services and has emerged as the order of the day
- (b) Though convergence of and by technology is more tangible, the hidden thread that holds the beads together is of services
- (c) Convergence of services is more important than that technology and as such it is the bedrock of any business and society
- (d) As service is an extension of technology, it is the convergence of services that holds all other convergence in place.

PASSAGE 2

Local communities have often come in conflict with agents trying to exploit resources, at a faster pace, for an expanding commercial-industrial economy. More often than not, such agents of resource-intensification are given preferential treatment by the state, through the grant of generous long leases over mineral or fish stocks, for example, or the provision of raw materials at an enormously subsidised price. With the injustice so compounded, local communities at the receiving end of this process have no recourse except direct action, resisting both the state and outside exploiters through a variety of protest techniques. These struggles might perhaps be seen as a manifestation of a new kind of class conflict.



77. Which one of the following statements **best sums up** the above passage?

- (a) A new kind of class conflict arises from preferential treatment given to agents of resource-intensification by the state which the local community sees as unfair
- (b) The grant of long leases to agents of resource-intensification for an expanding commercial-industrial economy leads to direct protests from the local community, which sees it as unfair
- (c) Preferential treatment given by the state to agents of resource-intensification for an expanding commercial-industrial economy exacerbates injustice to local communities and leads to direct protests from them, resulting in a new type of class conflict
- (d) Local communities have no option but to protest against agents of resource-intensification and create a new type of class conflict when they are given raw material at subsidised prices for an expanding commercial-industrial economy.

PASSAGE 3

Readers in the past seem to have been more patient than the readers of today. There were few diversions, and they had more time to read novels of a length that seems to us now inordinate. It may be that they were not irritated by the digressions and irrelevances that interrupted the narration.

But some of the novels that suffer from these defects are among the greatest that have ever been written. It is deplorable that on this account they should be less and less read.

78. The title below that best expresses the ideas of this passage is:

- (a) Defects of today's novels
- (b) Novel reading then and now
- (c) The great novel
- (d) The impatient reader of novels

PASSAGE 4

Imagine flying in a hot-air balloon over the lush, green canopy of a rainforest. Through the clouds and mist you can barely make out the treetops and a few of the birds flying among them. What lies hidden in the undergrowth? How many organisms are there, what do they look like, and how do they behave? Using a rope and bucket you blindly drag the rainforest from above hoping to ensnare some of its inhabitants or the materials that make up its infrastructure. But alas, with such feeble and limited means you can learn little about the environment and life below. For years this is essentially how we have studied the ocean—blindly sampling the sea with limited and relatively ineffective methods. Even today, with technology as advanced as it is, study of the ocean remains a difficult and expensive task. Whether through large-scale satellite imagery, small-scale chemical and biological measures, or even the collecting of fossil impressions of ancient sea creature, all aspects of oceanographic study require some type of observation or sample collection, and herein lies the problem.



79. The passage describes a trip in a hot-air balloon primarily in order to
- (a) describe the variety of life forms in the rainforest
 - (b) make an analogy to ocean exploration
 - (c) exemplify the advanced equipment that land-based biologists have at their disposal
 - (d) show the difficulties that most biologists encounter in extracting samples from the rainforest
80. The “small-scale chemical and biological measures” are mentioned primarily as examples of
- (a) methods that are not as cost-effective or simple as the author would like
 - (b) technologies that hold great promise for revealing the nature of oceanic life
 - (c) techniques that require little or no training to employ
 - (d) inexpensive means of exploring the deepest parts of the ocean