

This is a sample test for the BS Economics with Data Science admission test.

- **The test will have multiple sections.**
- **The test aims to gauge your skills in Mathematics, logic, language, English comprehension and linguistics among other things.**
- **Where possible, you have been provided with suggested solutions.**
- **Total duration of the test = 2 hours.**
- **ITU reserves the right to change the test, score allocations, time assigned to any section, at any time.**
- **This sample test is only for the purpose of introducing the test to potential students.**



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Comprehension

The following extract has been taken from *The Tell Tale Heart* by Edgar Allen Poe

I was never kinder to the old man than during the whole week before I killed him. And every night, about midnight, I turned the latch of his door and opened it --oh so gently! And then, when I had made an opening sufficient for my head, I put in a dark lantern, all closed, closed, that no light shone out, and then I thrust in my head. Oh, you would have laughed to see how cunningly I thrust it in! I moved it slowly --very, very slowly, so that I might not disturb the old man's sleep. It took me an hour to place my whole head within the opening so far that I could see him as he lay upon his bed. Ha! would a madman have been so wise as this, And then, when my head was well in the room, I undid the lantern cautiously--oh, so cautiously --cautiously (for the hinges creaked) --I undid it just so much that a single thin ray fell upon the vulture eye. And this I did for seven long nights --every night just at midnight --but I found the eye always closed; and so it was impossible to do the work; for it was not the old man who vexed me, but his Evil Eye. And every morning, when the day broke, I went boldly into the chamber, and spoke courageously to him, calling him by name in a hearty tone, and inquiring how he has passed the night. So you see he would have been a very profound old man, indeed, to suspect that every night, just at twelve, I looked in upon him while he slept.

Upon the eighth night I was more than usually cautious in opening the door. A watch's minute hand moves more quickly than did mine. Never before that night had I felt the extent of my own powers --of my sagacity. I could scarcely contain my feelings of triumph. To think that there I was, opening the door, little by little, and he not even to dream of my secret deeds or thoughts. I fairly chuckled at the idea; and perhaps he heard me; for he moved on the bed suddenly, as if startled. Now you may think that I drew back --but no. His room was as black as pitch with the thick darkness, (for the shutters were close fastened, through fear of robbers,) and so I knew that he could not see the opening of the door, and I kept pushing it on steadily, steadily.

I had my head in, and was about to open the lantern, when my thumb slipped upon the tin fastening, and the old man sprang up in bed, crying out --"Who's there?"

I kept quite still and said nothing. For a whole hour I did not move a muscle, and in the meantime I did not hear him lie down. He was still sitting up in the bed listening; --just as I have done, night after night, hearkening to the death watches in the wall.

Presently I heard a slight groan, and I knew it was the groan of mortal terror. It was not a groan of pain or of grief --oh, no! --it was the low stifled sound that arises from the bottom of the soul when overcharged with awe. I knew the sound well. Many a night, just at midnight, when all the world slept, it has welled up from my own bosom, deepening, with its dreadful echo, the terrors that distracted me. I say I knew it well. I knew what the old man felt, and pitied him, although I chuckled at heart. I knew that he had been lying awake ever since the first slight noise, when he had turned in the bed. His fears had been ever since growing upon him. He had been trying to fancy them causeless, but could not. He had been saying to himself --"It is nothing but the wind in the chimney --it is only a mouse crossing the floor," or "It is merely a cricket which has made a single chirp." Yes, he had been trying to comfort himself with these suppositions: but he had found all in vain. All in vain; because Death, in approaching him had stalked with his black shadow before him, and enveloped the victim. And it was the mournful influence of the unperceived shadow that caused him to feel -- although he neither saw nor heard --to feel the presence of my head within the room.

When I had waited a long time, very patiently, without hearing him lie down, I resolved to open a little --a very, very little crevice in the lantern. So I opened it --you cannot imagine how stealthily, stealthily --until, at length a simple dim ray, like the thread of the spider, shot from out the crevice and fell full upon the vulture eye.

It was open --wide, wide open --and I grew furious as I gazed upon it. I saw it with perfect distinctness --all a dull blue, with a hideous veil over it that chilled the very marrow in my bones; but I could see nothing else of the old man's face or person: for I had directed the ray as if by instinct, precisely upon the damned spot.

And have I not told you that what you mistake for madness is but over-acuteness of the sense? --now, I say, there came to my ears a low, dull, quick sound, such as a watch makes when enveloped in cotton. I knew that sound well, too. It was the beating of the old man's heart. It increased my fury, as the beating of a drum stimulates the soldier into courage.

But even yet I refrained and kept still. I scarcely breathed. I held the lantern motionless. I tried how steadily I could maintain the ray upon the eve. Meantime the hellish tattoo of the heart increased. It grew quicker and quicker, and louder and louder every instant. The old man's terror must have been extreme! It grew louder, I say, louder every moment! --do you mark me well I have told you that I am nervous: so I am. And now at the dead hour of the night, amid the dreadful silence of that old house, so strange a noise as this excited me to uncontrollable terror. Yet, for some minutes longer I refrained and stood still. But the beating grew louder, louder! I thought the heart must burst. And now a new anxiety seized me --the sound would be heard by a neighbour! The old man's hour had come! With a loud yell, I threw open the lantern and leaped into the room. He shrieked once --once only. In an instant I dragged him to the floor, and pulled the heavy bed over him. I then smiled gaily, to find the deed so far done. But, for many minutes, the heart beat on with a muffled sound. This, however, did not vex me; it would not be heard through the wall. At length it ceased. The old man was dead. I removed the bed and examined the corpse. Yes, he was stone, stone dead. I placed my hand upon the heart and held it there many minutes. There was no pulsation. He was stone dead. His eye would trouble me no more.

If still you think me mad, you will think so no longer when I describe the wise precautions I took for the concealment of the body. The night waned, and I worked hastily, but in silence. First of all I dismembered the corpse. I cut off the head and the arms and the legs.

I then took up three planks from the flooring of the chamber, and deposited all between the scantlings. I then replaced the boards so cleverly, so cunningly, that no human eye --not even his --could have detected anything wrong. There was nothing to wash out --no stain of any kind --no blood-spot whatever. I had been too wary for that. A tub had caught all --ha! ha!

When I had made an end of these labors, it was four o'clock --still dark as midnight. As the bell sounded the hour, there came a knocking at the street door. I went down to open it with a light heart, --for what had I now to fear? There entered three men, who introduced themselves, with perfect suavity, as officers of the police. A shriek had been heard by a neighbour during the night; suspicion of foul play had been aroused; information had been lodged at the police office, and they (the officers) had been deputed to search the premises.

I smiled, --for what had I to fear? I bade the gentlemen welcome. The shriek, I said, was my own in a dream. The old man, I mentioned, was absent in the country. I took my visitors all over the house. I bade them

search --search well. I led them, at length, to his chamber. I showed them his treasures, secure, undisturbed. In the enthusiasm of my confidence, I brought chairs into the room, and desired them here to rest from their fatigues, while I myself, in the wild audacity of my perfect triumph, placed my own seat upon the very spot beneath which reposed the corpse of the victim.

The officers were satisfied. My manner had convinced them. I was singularly at ease. They sat, and while I answered cheerily, they chatted of familiar things. But, ere long, I felt myself getting pale and wished them gone. My head ached, and I fancied a ringing in my ears: but still they sat and still chatted. The ringing became more distinct: --It continued and became more distinct: I talked more freely to get rid of the feeling: but it continued and gained definiteness --until, at length, I found that the noise was not within my ears.

No doubt I now grew very pale; --but I talked more fluently, and with a heightened voice. Yet the sound increased --and what could I do? It was a low, dull, quick sound --much such a sound as a watch makes when enveloped in cotton. I gasped for breath --and yet the officers heard it not. I talked more quickly --more vehemently; but the noise steadily increased. I arose and argued about trifles, in a high key and with violent **gesticulations**; but the noise steadily increased. Why would they not be gone? I paced the floor to and fro with heavy strides, as if excited to fury by the observations of the men --but the noise steadily increased. Oh God! what could I do? I foamed --I raved --I swore! I swung the chair upon which I had been sitting, and grated it upon the boards, but the noise arose over all and continually increased. It grew louder --louder --louder! And still the men chatted pleasantly, and smiled. Was it possible they heard not? Almighty God! --no, no! They heard! --they suspected! --they knew! --they were making a mockery of my horror!--this I thought, and this I think. But anything was better than this agony! Anything was more tolerable than this derision! I could bear those hypocritical smiles no longer! I felt that I must scream or die! and now --again! --hark! louder! louder! louder! louder!

"Villains!" I shrieked, "Dissemble no more! I admit the deed! --tear up the planks! here, here! --It is the beating of his hideous heart!"

Q1. From paragraph 1, which word best defines “vexed” as used in the sentence?

- A) Angered
- B) Ensnared
- C) Disappointed
- D) Enamored

Q2. In paragraph 2, the narrator describes the feeling of “triumph” upon entering the old man’s house. According to the paragraph, why was he feeling that way?

- A) He had been waiting forever to enter the old man’s house
- B) It was his first time entering the old man’s house
- C) He had managed to bypass the old man’s additional security measures to enter the house

D) He really wanted to see the old man

Q3. From paragraph 5, which line serves as the best evidence for the narrator identifying the old man's groan as that borne of terror?

- A) 'it was the low stifled sound that arises from the bottom of the soul when overcharged with awe'
- B) 'I knew what the old man felt, and pitied him, although I chuckled at heart. I knew that he had been lying awake ever since the first slight noise, when he had turned in the bed.'
- C) 'Many a night, just at midnight, when all the world slept, it has welled up from my own bosom, deepening, with its dreadful echo, the terrors that distracted me.'
- D) 'Presently I heard a slight groan, and I knew it was the groan of mortal terror. It was not a groan of pain or of grief --oh, no!'

Q4. From the same paragraph, what did the old man attribute the noise to?

- A) A mouse
- B) The wind in the chimney
- C) All of the above
- D) Neither

Q5. What justification does the narrator give for his 'over-acute' sense of sense?

- A) His acute sense of smell
- B) His ability to see the old man's 'vulture eye'
- C) His acute sense of hearing
- D) His stealth

Q6. From paragraph 12, what best describes 'suavity', given the context?

- A) Charismatically
- B) Deftly
- C) Secretly
- D) Smoothly

Q7. What was it about the old man that angered the narrator?

- A) His manner of cheerfulness
- B) The way the old man slept
- C) The old man's eye
- D) The old man's demeanor

Q8. In your opinion, why is the title of the story, 'The Tell Tale Heart' when the main object of contention is symbolized by the 'vulture eye'?

- A) The title signifies the old man in the beginning and later, the guilt of the narrator for having murdered him
- B) The vulture eye symbolized the heart, which later encapsulates the beating noise the narrator hears
- C) The sound of a beating heart is what led to the narrator confessing his crime in front of the police, thus it being a tell-tale
- D) The writer of the story wanted to emphasize the importance of the heart

Q9. In paragraph 14, the word, 'gesticulations' best refers to:

- A) Sporadic limb movement
- B) A severe stomach-ache
- C) A rapid gait
- D) Guilt

Q10. Which line best describes the narrator's guilt for murdering the old man?

- A) 'No doubt I now grew very pale; --but I talked more fluently, and with a heightened voice'
- B) 'I paced the floor to and fro with heavy strides, as if excited to fury by the observations of the men'
- C) 'But, ere long, I felt myself getting pale and wished them gone'
- D) 'Was it possible they heard not? Almighty God! --no, no! They heard! --they suspected! --they knew! --they were making a mockery of my horror!'

Syntax and vocabulary

A – Pick the word that fits best in blank space

Q1. The _____ party was boring, but Sarah did her best to liven it up with her _____.

- A. mundane ... spontaneity
- B. fascinating ... recklessness
- C. tedious ... subtlety
- D. intriguing ... tact
- E. monotonous ... solitude

Q2. Although I was a _____ at the game, I knew something wasn't right.

- A. expert
- B. enthusiast

- C. authority
- D. novice
- E. specialist

Q3. The _____ of his crime had barely sunk in before the guard raised an alarm.

- A. cruelty
- B. severity
- C. deplorability
- D. improbability
- E. notability

Q4. The threat of rain didn't _____ my stroll through the grounds. Even the first drops were no _____, and I continued my walk.

- A. hinder ... incentive
- B. thwart ... refuge
- C. impede ... deterrent
- D. permit ... provocation
- E. prevent ... enticement

Q5. Everyone would agree that the student's accusations were nothing short of _____.

- A. deplorable
- B. incredulous
- C. tolerable
- D. despicable
- E. destructive

B – Synonyms/Antonyms

Q6. 'Certitude' can be considered a synonym of _____

- A. absurdity
- B. contradiction
- C. conviction
- D. assurance
- E. semblance

Q7. 'Malicious' can be considered a synonym of _____

- A. benevolence
- B. evil
- C. unsanitary
- D. ugly
- E. magnanimous

Q8. 'Imperious' can be considered an antonym of _____

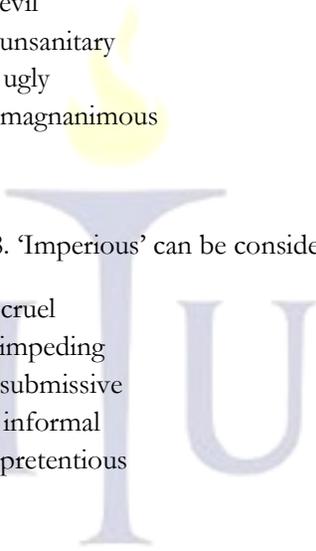
- A. cruel
- B. impeding
- C. submissive
- D. informal
- E. pretentious

Q9. 'Counterfeit' can be considered an antonym of _____

- A. forge
- B. genuine
- C. lie
- D. illustrate
- E. considerate

Q10. To decapitate is to _____

- A. defenestrate
- B. behead
- C. defend
- D. throw
- E. personify



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Answer Key

Section I: Comprehension

Q1. A

Q2. C

Q3. D

Q4. C

Q5. C

Q6. D

Q7. C

Q8. C

Q9. A

Q10. D

Section II/A: Syntax and vocabulary

Q1. A

Q2. D

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Q3. B

Q4. C

Q5. A

Section II/B: Synonyms and Antonyms

Q6. C

Q7. B

Q8. C

Q9. B

Q10.B



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1. On Monday morning, Ahad posted w letters each hour for 8 hours, and Talha posted x letters each hour for 5 hours. Which of the following represents the total number of letters posted by Ahad and Talha on Monday morning?

- A) $9wx$
- B) $20wx$
- C) $8w + 5x$
- D) $4w + 5x$

2. Mariam works at a computer company. Each week, she receives laptops that need to be fixed. The number of laptops that she has left to fix at the end of each day can be estimated with the equation $C = 135 - 23d$, where C is the number of laptops left and d is the number of days she has worked that week. What is the meaning of the value 135 in this equation?

- A) Mariam will complete the repairs within 135 days.
- B) Mariam starts each week with 135 phones to fix.
- C) Mariam repairs phones at a rate of 135 per hour.
- D) Mariam repairs phones at a rate of 135 per day.

$$W = 3x + 28$$

3. A doctor uses the equation above to estimate the weight W of a child, in pounds, in terms of the child's age x , in years. Using this equation estimate the weight of a child who is 4 years old?

- A) 38
- B) 40
- C) 42
- D) 44

$$(x^2y + 2y^2 + 8xy^2) + (-x^2y - 4xy^2 + 2y^2)$$

4. Which of the following is equivalent to the expression above?

A) $4x^2y^2$

B) $2x^2y + 2xy^2$

C) $2x^2y + 8xy^2 - 6y^2$

D) $4xy^2 + 4y^2$

5. If $\frac{a}{b} = 8$ what is the value of $\frac{16a}{b}$?

A) 0

B) 1

C) 2

D) 4

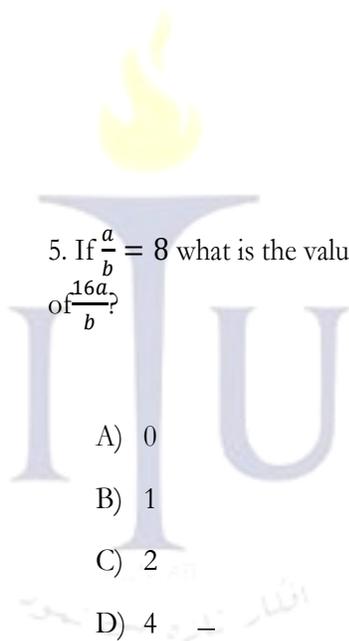
6. A line in the xy -plane passes through the origin has a slope of 5. Which of the following points lies on the line?

A) (0, 5)

B) (1, 5)

C) (5, 5)

D) (10, 2)



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$$F(x) = bx^2 + 24$$

7. For the function g defined above, b is a constant and $F(2) = 36$. What is the value of $F(-3)$?

A) 41

B) 40

C) -41

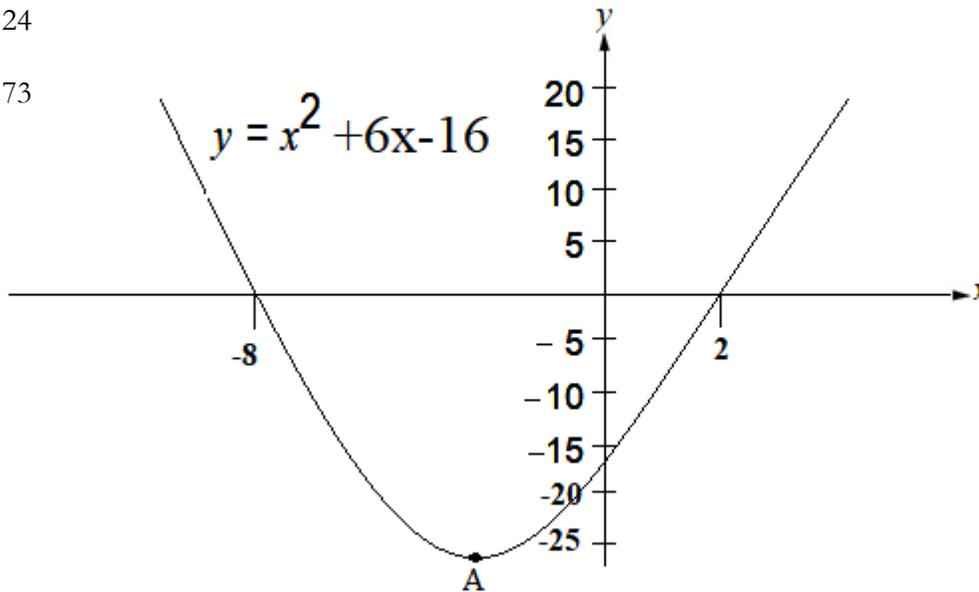
D) -36



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1. Rahim is an engineer studying the production of cars by two types of machines. He noticed that Type A machine produced 20 percent more cars than Type B machine did. Based on Rahim's observation, if the Type A machine produced 144 cars, how many cars did the Type B machine produce?

- A) 115
B) 120
C) 124
D) 173

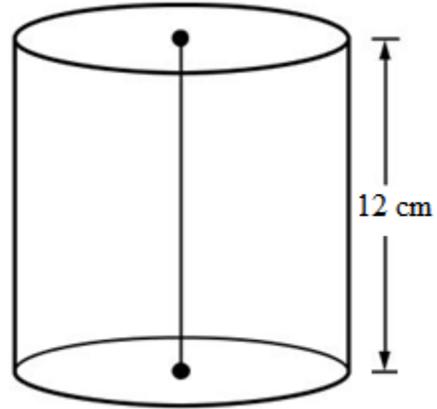


2. Which of the following is an equivalent form of the equation of the graph shown in the xy -plane above, from which the coordinates of vertex A can be identified as constants in the equation?

- A) $y = (x + 3)(x - 5)$
B) $y = (x - 3)(x + 5)$
C) $y = x(x - 3) - 25$
D) $y = (x+3)^2 - 25$

3. A dairy farmer uses a storage tank that is in the shape of the right circular cylinder above. If the volume of the silo is 108π cubic centimeters, what is the diameter of the base of the cylinder, in centimeters?

- A) 3
- B) 4
- C) 5
- D) 6



4. In a class of 15 boys and 25 girls the average (arithmetic mean) for the final exam was 40. If the girls scored an average of 25 what was the mean for boys of the class?

- A) 45
- B) 55
- C) 65
- D) 75

5. A necklace is made of beads that repeated in a pattern of five colors in the order red, green, blue, purple and orange. What color bead would be 327th bead?

- A) Red
- B) Green

C) Blue

D) Orange

6. What is the unit's digit of the number 2^{53} ?

A) 2

B) 4

C) 8

D) 6

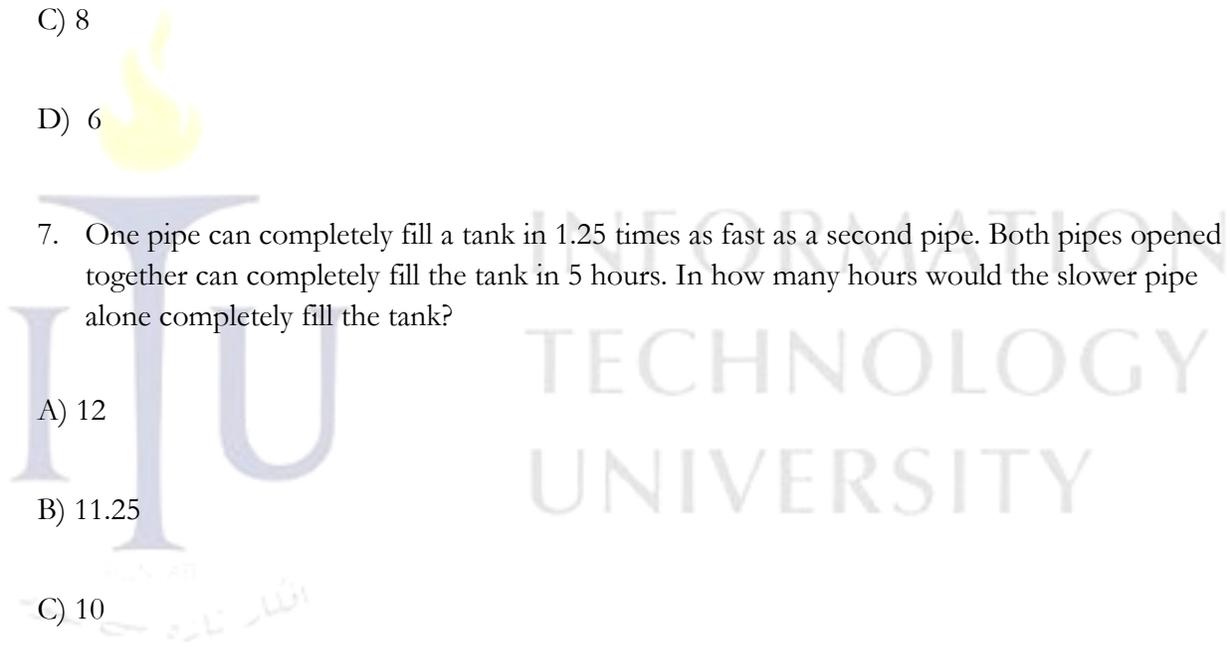
7. One pipe can completely fill a tank in 1.25 times as fast as a second pipe. Both pipes opened together can completely fill the tank in 5 hours. In how many hours would the slower pipe alone completely fill the tank?

A) 12

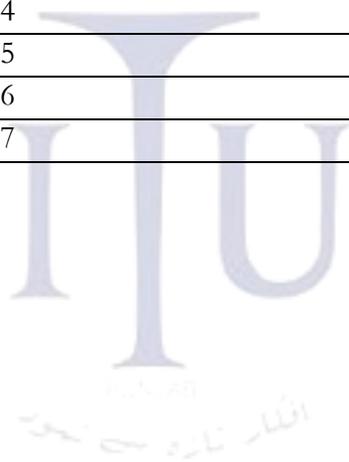
B) 11.25

C) 10

D) 9



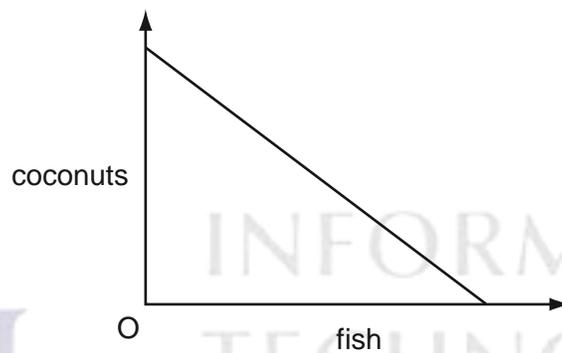
Answer Key No Calculator	
Question Number	Answer
1	C
2	B
3	B
4	D
5	C
6	B
7	A
Answer Key Calculator	
1	B
2	D
3	D
4	C
5	B
6	A
7	B



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- 1 Which type of firm is able to exploit division of labour to the greatest extent?
- A a bakery employing two workers making a range of bread and cakes
 - B a motorcycle assembler employing two hundred workers making a standardized model
 - C a tailor employing ten workers making men's suits to order
 - D a well-established furniture maker employing three hundred workers making high quality individual items

- 2 The diagram shows the production possibility frontier of a desert island economy where the inhabitants live off just two commodities, coconuts and fish.



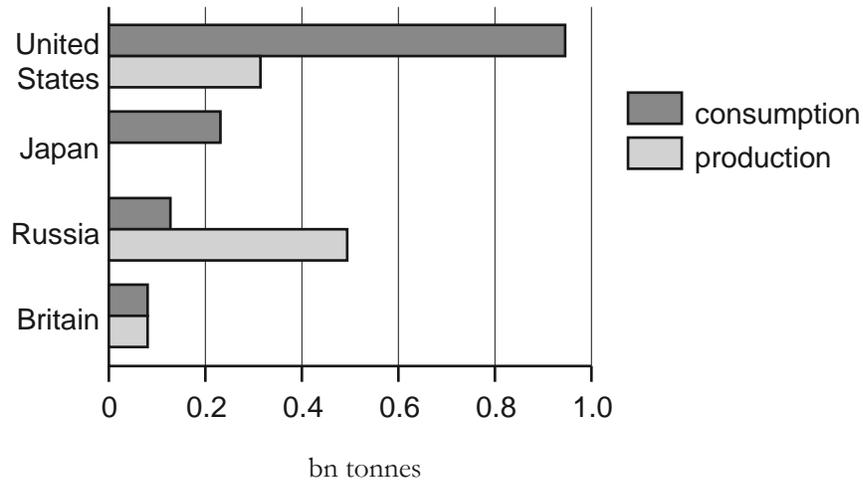
What explains the shape of the production possibility frontier?

- A Coconuts and fish are perfect complements.
 - B Coconuts and fish are perfect substitutes.
 - C Fishing and coconut growing are equally efficient.
 - D The opportunity cost of fish increases as more time is devoted to fishing.
- 3 Pakistan is failing to reach its full economic potential because of poor rail, road and electricity infrastructure. Its problem is not lack of government spending but a lack of skilled civil engineers.

Which factors of production need to be increased?

- A capital and land
- B enterprise and labour
- C labour and capital
- D land and enterprise

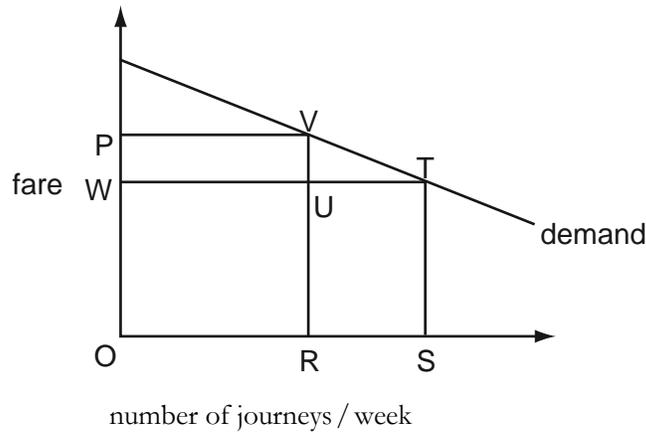
- 4 There is a worldwide shortage of oil. The diagram shows the consumption and production of oil (billion tonnes) in 2007 for selected countries.



What can be concluded from the diagram?

- A In Britain, oil has zero opportunity cost.
 - B In Japan, there is self-sufficiency in oil.
 - C In Russia, the problem of oil shortage has been solved.
 - D In the United States, rationing will be the only solution to oil shortage.
- 5 What will happen to an industry's supply curve if new firms enter the industry?
- A It will shift to the left at any given price.
 - B It will shift to the right at any given price.
 - C There will be a downward movement along the supply curve.
 - D There will be an upward movement along the supply curve.

- 6 The number of passenger journeys per week by train on a certain route is shown by the demand curve in the diagram.

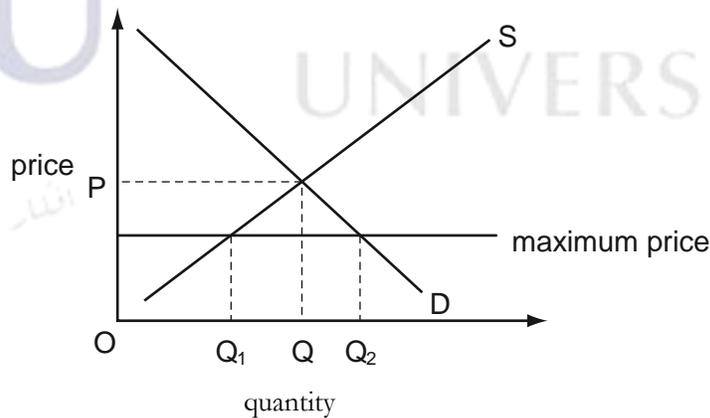


Initially the fare is OP, but it is then reduced by PW.

Which area measures the amount spent on the extra journeys resulting from the lower fare?

- A VUT B PWTV C VRST D URST

- 7 The diagram shows a market subject to a maximum price.



What will happen if the maximum price is removed?

- A There will be allocation by a queuing system.
- B There will be allocation by government rationing.
- C There will be allocation by seller's preference.
- D There will be allocation by the price system.

8

A government wishes to encourage the consumption of a merit good and reduce the consumption of a demerit good.

Which policy should it adopt towards each good?

	merit good	demerit good
A	confine access to certain age groups	tax output
B	increase advertising on the benefits of the good	set a minimum level of output
C	subsidize the good	put legal controls on output
D	tax the good	produce only in the public sector

9 The table shows the number of workers and the annual output of an industry.

	year 1	year 2	year 3
workers in 000s	120	130	100
output in \$m	12.00	14.30	13.00

Which statement is correct?

- A Labour productivity increases in year 2 and in year 3.
 - B Labour productivity increases in year 2 and then declines in year 3.
 - C Labour productivity is at its highest in year 1.
 - D Labour productivity is at its lowest in year 3
- 10 Which statement about a rise in the general price level in a country is correct?
- A It is likely to create economic winners and losers in the country.
 - B It is unacceptable to modern governments.

- C It means that no goods have fallen in price.
- D It must make the average citizen poorer.
- 11 The table shows detail of the nominal interest rate and the inflation rate for selected countries in July 2010.

country	nominal interest rate	inflation rate
China	2.5	2.9
India	5.7	13.9
Indonesia	7.0	5.0
Japan	0.2	-1.1
Pakistan	12.3	12.7

What can be concluded from this information?

- A The cost of living was higher in India than in China.
- B The money rate of interest was higher in Indonesia than in Pakistan.
- C The real rate of interest was positive in Japan but negative in Pakistan.
- D The standard of living was higher in Indonesia than in India.
- 12 Two industries in a country are fishing and tourism. The international exchange rate of the country's currency fell in 2010.

If there were no other changes, how was the country affected?

- A Local people bought more imported goods because they were cheaper.
- B The price of fish sold in foreign markets became cheaper.
- C The volume of exports decreased.
- D Tourists to the country were discouraged by higher prices.

13 The average consumer divides his expenditure between food, accommodation and clothing in the ratio 5: 3: 2.

During the course of a year, the price of food rises by 10 %, the price of accommodation remains constant and the price of clothing falls by 5 %.

What is the increase in the Consumer Price Index over the year?

- A 2.5 % B 4 % C 5 % D 6 %

14 Which statement about inflation is correct?

- A Cost-push inflation is likely to occur when the government increases its expenditure.
B Demand-pull inflation is likely to occur when the country's exchange rate appreciates.
C An increase in the money supply can cause inflation.
D When inflation is unanticipated real values remain unchanged.

15 The table shows a country's rate of inflation for four years.

year	rate of inflation %
2005	4.0
2006	3.0
2007	2.5
2008	2.0

What fell between 2005 and 2008?

- A average prices
B the cost of living
C the exchange rate
D the value of money

16 When is a deficit on the current account of the balance of payments likely to worsen?

- A when the government adopts a deflationary macroeconomic policy
B when the government devalues the currency

- C when the prices of imported products that are essentials or demand-inelastic increase significantly
- D when tariffs are placed on imported products that are non-essentials or demand-elastic

17 The table shows the number of Jamaican dollars which exchanged for one unit of other currencies in June and July 2001.

	Jamaican \$ June 2001	Jamaican \$ July 2001
US\$	45.78	45.77
UK£	63.86	64.37
Guyana \$	0.25	0.25
Barbados \$	23.19	23.12

What might be concluded from the table?

- A There was an increased demand for US\$ by Jamaicans.
- B There was an increased supply of UK£ to Jamaicans.
- C There was a reduced supply of Guyana \$ to Jamaicans.
- D There was a reduced demand for Barbados \$ by Jamaicans.

18 In a command economy, what is the basis for determining the allocation of factors of production?

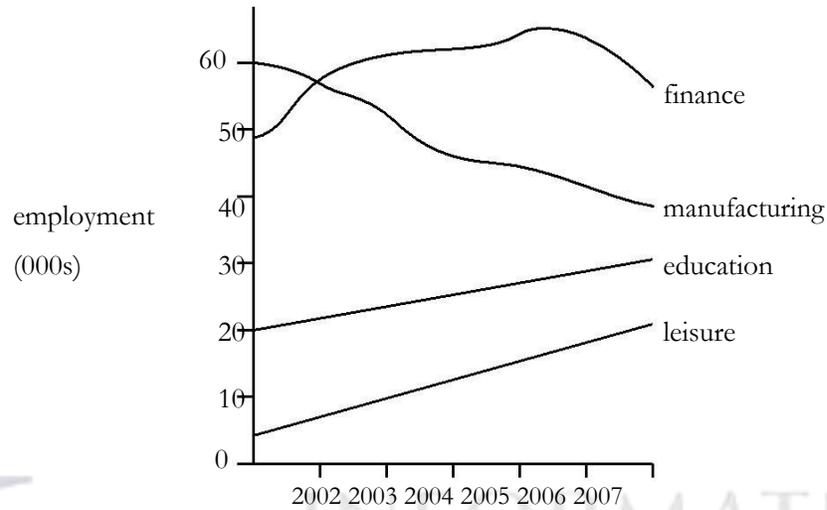
- A the pattern of consumers' spending
- B the perceived needs of the country
- C the revenue from taxes
- D the size of public sector companies

19 In 2008 the demand curve for new cars in the European Union decreased..

Which change could have caused such a shift?

- A an increase in real disposable income
- B an increase in the cost of borrowing
- C an increase in the price of new cars
- D an increase in the price of train travel

- 20 The diagram shows changes in the numbers employed in four different industries in a city between 2002 and 2007.



What can be concluded from the diagram?

- A Finance was always the largest employer.
- B Leisure had the fastest growth rate in employment.
- C Manufacturing was the only industry to show signs of decline.
- D Total employment in the four industries decreased over the period.

ANSWER KEY

Question	Answer
1	B
2	C
3	C
4	C
5	B
6	D
7	D
8	C

- 9 A
- 10 A
- 11 C
- 12 B
- 13 B
- 14 C
- 15 D
- 16 D
- 17 D
- 18 B
- 19 B
- 20 B



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Logic

Q1. Kevin, Joseph, and Nicholas are 3 brothers. If the following statements are all true, which of them is the youngest?

1. Kevin is the oldest.
2. Nicholas is not the oldest.
3. Joseph is not the youngest.

- A) Kevin
- B) Nicholas
- C) Joseph

Q2. Merlin realizes that all Alakazams are Open Sesames, and some Hocus Pocuses are Alakazams.

Is it true that some Hocus Pocuses are Open Sesames?

- A) True
- B) False

Q3. 5 brothers compare their heights and find that:

1. Alex is taller than Brian but shorter than Charlie;
2. Daniel is taller than Edward but shorter than Alex.

Who is the tallest?

- A) Alex
- B) Brian
- C) Charlie
- D) Daniel
- E) Edward

Q4. Exactly how many false statements are there in the list below?

There is exactly 1 false statement in this list.

There are exactly 2 false statements in this list.

There are exactly 3 false statements in this list.

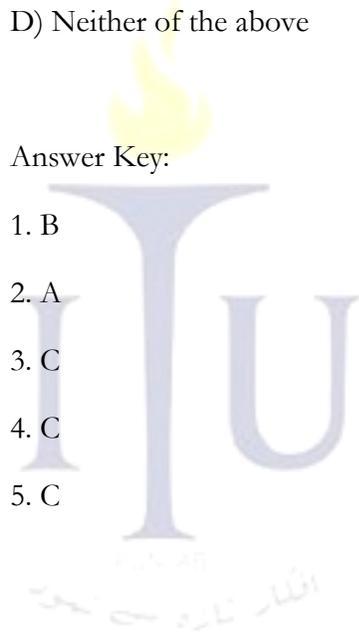
- A) 0
- B) 1
- C) 2
- D) 3

Q5. Suppose you are visiting an island with knights who always tell the truth, knaves who always lie, and jokers who can do either. Suppose someone walks up to you and says she is a knave. Who is she, really?

- A) Knight
- B) Knave
- C) Joker
- D) Neither of the above

Answer Key:

- 1. B
- 2. A
- 3. C
- 4. C
- 5. C



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General Knowledge

1. Who is the first Governor General of Pakistan?
 - A. M. A. Jinnah
 - B. Liaqat Ali Khan
 - C. Ayub Khan
 - D. Fatima Jinnah
2. When did Pakistan win Olympic gold medal in **Hockey** for the first time?
 - A. 1948
 - B. 1952
 - C. 1960
 - D. 1964
3. When did Pakistan launch her first indigenously developed satellite?
 - A. 2000
 - B. 1990
 - C. 1980
 - D. 2017
4. Which is the largest mountain range in Pakistan?
 - A. Karakoram
 - B. Himalayas
 - C. Hindukush
 - D. Alps
5. How many Nobel prizes have been won by Pakistanis?
 - A. 1
 - B. 2
 - C. 3
 - D. 4

Question number	Answer
1	A
2	C
3	B
4	A
5	B



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