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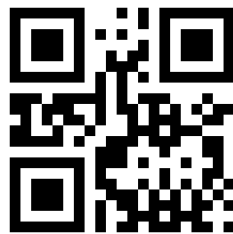


UNIVERSITAS INDONESIA

Veritas, Probitas, Iustitia

SOCIAL SCIENCES TEST

- Basic Mathematics
 - Economics
 - Indonesian and World History
 - Geography
 - Integrated Social Sciences
-
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SIMAK UI

ENTRANCE TEST

UNIVERSITAS INDONESIA

2015

GENERAL INSTRUCTIONS

1. Before you begin work on the test, check the number of questions and the page numbers in the test booklet.
The booklet consists of a front page, a general instructions page, an answer sheet, and 12 question pages.
2. The answer sheet attached to this booklet can only be used for this test booklet. If you need a new answer sheet, you should use the test booklet which the answer sheet was attached.
3. You have to take the answer sheet from the test booklet. If the top left of the answer sheet is damaged or torn, the answer sheet still can be processed.
4. Write your student test number on the space provided in the answer sheet.
5. Read carefully each and every instruction on how to answer the questions.
6. Think carefully before answering every question, because an incorrect answer will deduct 1 point from your total score (scoring system: correct +4, blank 0, incorrect -1).
7. Work on questions you find easy first, then continue with harder questions.
8. Write your answers on the answer sheet provided.
9. Since scrap paper is not provided, you can make use of the empty space in your test booklet to do calculations.
Do not use the empty space on your answer sheet.
10. During the test, you are not allowed to ask or seek explanation about the questions being tested to anyone including the test supervisor.
11. When you have finished doing the test, you are required to stay in your seat until the test supervisor approaches you to collect the answer sheet.
12. Make sure the answer sheet is not dirty, wet, folded, and torn.

SPECIFIC INSTRUCTIONS

INSTRUCTION A:

Choose the best answer.

INSTRUCTION B:

Each question consists of 3 parts, i.e. STATEMENT, CAUSE, and REASON that are arranged in sequence. Choose:

- (A) If the statement is correct, the reason is correct, and both show a cause and effect relationship
- (B) If the statement is correct, the reason is correct, but both do not show a cause and effect relationship
- (C) If the statement is correct and the reason is incorrect
- (D) If the statement is incorrect and the reason is correct
- (E) If the statement and the reason are both incorrect

INSTRUCTION C:

Choose

- (A) If (1), (2), and (3) are correct
- (B) If (1) and (3) are correct
- (C) If (2) and (4) are correct
- (D) If only (4) is correct
- (E) If all of them are correct

Tear Here



Answer Sheet University of Indonesia's Entrance Test (SIMAK UI)

D3 S1

STUDENT NAME

STUDENT TEST NUMBER

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Hereby I declare that the data provided in this form are correct. I agree that if I violate the above statement, this answer sheet will not be processed.



Signature

One

Two

This answer sheet can only be used with its paired test book. Use 2B pencil to answer the questions and use a pen when you write your signature.

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S2 S3



SUBJECTS : Basic Mathematics, Economics, Indonesian and World History, Geography, and Integrated Social Sciences
EXAM DATE : 7 JUNE 2015
TIME : 120 MINUTES
NO. OF QUESTIONS : 80

Notes : Questions on BASIC MATHEMATICS numbers 1 to 20
Questions on ECONOMICS numbers 21 to 35
Questions on INDONESIA AND WORLD HISTORY numbers 36 to 50
Questions on GEOGRAPHY numbers 51 to 65
Questions on INTEGRATED SOCIAL SCIENCES numbers 66 to 80

BASIC MATHEMATICS

Use **Instruction A** to answer question(s) number 1 to 14.

1. Consider an equation of the form $x^2 + bx + c = 0$, if b and c are selected from the integers 1, 2, ..., 8. The number of equations that have real roots is

- (A) 33 (D) 36
(B) 34 (E) 37
(C) 35

2. If x is integer, and $(x+2)^4 + x^4 = 82$, then $(x+1)^2 = \dots$.

- (A) 1 (D) 16
(B) 4 (E) 25
(C) 9

3. If the roots of $(m-1)(x^2 + bx) = (m+1)(ax - c)$ are equal but have opposite signs, the value of m must be

- (A) -1
(B) 1
(C) $\frac{a+b}{a-b}$
(D) $\frac{a+b}{b-a}$
(E) $\frac{a-b}{a+b}$

4. If $(x-6)(x+14)$ is the square of an integer, then $x-14 = \dots$.

- (A) 6 (D) 22
(B) 8 (E) 24
(C) 10

5. Let the functions $4x + by = c$ and $cx - 3y = 36$ have the same graph on xy -plane. The value of $bc = \dots$.

- (A) -12 (D) 3
(B) -3 (E) 12
(C) -1

6. Ahmad gives Budi as many dinars as Budi has and Cholid as many dinars as Cholid has. Similarly, Budi then gives Ahmad and Cholid as many dinars as each then has. Cholid, similarly, then gives Ahmad and Budi as many dinars as each then has. If each finally has 8 dinars, then the dinars of which Cholid has at the beginning is

- (A) 2 (D) 7
(B) 3 (E) 13
(C) 4

7. In a village, there are 40 people who work as farmers and breeders. Of those 40 people, 18 are females, and 13 of those 40 people are farmers. The number of females that are farmers, plus the number of males that are breeders, is equal to 27. The number of females that are farmers is

- (A) 8 (D) 11
(B) 9 (E) 12
(C) 10

8. If the positive value of n which satisfies the equation $\frac{1}{12} + \frac{2}{12} + \frac{3}{12} + \dots + \frac{n}{12} = 12n$ is substituted back into the equation, the value of $12n$ is

- (A) 143 (D) 1716
(B) 287 (E) 3444
(C) 430



9. The sum of the first 25 terms of an arithmetic sequence with 50 terms is 400, meanwhile the sum of the next 25 terms is 2275. Then the first term of the sequence is

- (A) -50 (D) 10
 (B) -20 (E) 20
 (C) 5

10. If $x_{k+1} = x_k + \frac{1}{3}$ for $k = 1, 2, \dots, n-1$ and $x_1 = 1$, then for n even, the value

$$\left(x_{\frac{n}{2}+1} + x_{\frac{n}{2}+2} + \dots + x_n\right) - \left(x_1 + x_2 + \dots + x_{\frac{n}{2}}\right) = \dots$$

- (A) $\frac{n^2}{12}$
 (B) $\frac{(n^2+5)}{6}$
 (C) $\frac{n}{24}(n+10)$
 (D) $\frac{n}{24}(3n+10)$
 (E) $\frac{(n+2)}{3}$

11. If $A = \begin{bmatrix} 1 & 0 \\ 0 & 2 \end{bmatrix}$ and $I = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$, then

$$(A+I)^{2015} = \begin{bmatrix} 2^x & 0 \\ 0 & 3^y \end{bmatrix}. \text{ The value of } \frac{x}{y} = \dots$$

- (A) 1
 (B) 2015
 (C) 4030
 (D) $(2015)^2$
 (E) $(2015)^{2015}$

12. Let A, B be 3×3 matrices. The statement below which is TRUE is

- (A) $AB = BA$
 (B) If $AB = 0$, then only $A = 0$ or $B = 0$ is true
 (C) If $A^2 = I$, then only $A = I$ or $A = -I$ is true
 (D) There exist A where $A \neq 0$, and yet $A^2 = 0$
 (E) $\det(A+B) = \det(A) + \det(B)$

13. In a training centre, a number of pairs of athletes have been selected for mixed double pairs. $\frac{3}{5}$ of the female athletes are selected, meanwhile $\frac{7}{9}$ of the male athletes are selected. Part of athletes which is not selected is equal to

- (A) $\frac{10}{31}$
 (B) $\frac{21}{31}$
 (C) $\frac{9}{14}$
 (D) $\frac{27}{35}$
 (E) $\frac{27}{62}$

14. Given a set $H = \{A, B, C, D, E\}$, the sum of all cardinal numbers of each subset of H is

- (A) 32 (D) 80
 (B) 35 (E) 81
 (C) 70

Use **Instruction C** to answer question(s) number 15 to 20.

15. The values of x satisfying the following inequality

$$-3 \leq \left| \frac{5x-1}{x^2-x+1} \right| < 2$$

is

- (1) $x < -1$
 (2) $-\frac{1}{2} < x < \frac{1}{2}$
 (3) $x > 3$
 (4) $\frac{1}{2} < x < 3$

16. If h is a linear function and $h(h(x)-4) = 4x-20$, then

- (1) $h(0) = -4$
 (2) $h(1) = 26$
 (3) $h(0) + h(1) = 54$
 (4) $h(0)h(1) = 8$



17. Consider the function f that satisfy $f(x+3)+f(x-3) = f(x)$ for all x . The statement(s) below which is TRUE is(are)
- (1) $f(3) = f(-3)$
 - (2) $f(x-3) = f(x+6)$
 - (3) $f(x) - f(x+9) = 0$
 - (4) $f(x) = f(x+18)$
18. A particle projected vertically upward reaches at the end of t seconds, an elevation of s metres where $s(t) = 180t - 18t^2$. The following statement(s) which is(are) TRUE is(are)
- (1) Its acceleration is constant
 - (2) Its highest elevation is reached at $t = 5$
 - (3) Its velocity at $t = 5$ is zero
 - (4) Its highest elevation is 350
19. If a, b , and c are non negative integers for which $\sqrt{a+b+c} = a+b+c$, the possible value(s) of $2a+3b+c$ is(are)
- (1) 3
 - (2) 2
 - (3) 1
 - (4) 0
20. If both x and y are integers and $x^2 - 18x + 80 = 2^y$, then the possible value(s) of $x - y$ is(are)
- (1) 3
 - (2) 6
 - (3) 9
 - (4) 12



ECONOMICS

Use **Instruction A** to answer question(s) number 21 to 30.

21. Basic necessities
- (A) have elastic demand
 - (B) have perfectly elastic demand
 - (C) have income elasticity coefficient of more than 1
 - (D) have income elasticity coefficient between 0 – 1
 - (E) have income elasticity coefficient smaller than 0
22. Indifference curve indicates
- (A) the same number of production
 - (B) the same amount of budget
 - (C) the same production costs
 - (D) the same level of consumption
 - (E) the same satisfaction
23. Companies will gain maximum profit when producing at the level of output where
- (A) average cost is minimum
 - (B) total cost is minimum
 - (C) total revenue is maximum
 - (D) marginal revenue is greater than marginal cost
 - (E) marginal revenue equals marginal cost
24. The condition in the monopolistic competitive market which is equivalent to that of in perfectly competitive market is
- (A) resulting in homogeneous product
 - (B) in the long term every company makes a normal profit
 - (C) companies act as price takers
 - (D) marginal revenue equals average revenue
 - (E) demand curve is horizontal
25. Given the consumption function $C = a + bY$, then b shows
- (A) constants
 - (B) income per capita
 - (C) consumption level
 - (D) marginal propensity to save
 - (E) marginal propensity to consume
26. The following which is not state tax is
- (A) Property tax
 - (B) Value added tax
 - (C) Income tax
 - (D) Sales tax on luxury goods
 - (E) Motor vehicle tax
27. The income of Indonesian labor working in Malaysia is included in
- (A) the calculation of Indonesia's gross domestic product
 - (B) the calculation of Indonesia's gross national product
 - (C) Indonesia's budget of national income and expenditure
 - (D) the calculation of Indonesia's national income with expenditure method
 - (E) Indonesia's balance of trade
28. The economic growth rate of a country is determined on the basis of changes in
- (A) nominal gross domestic product
 - (B) real gross domestic product
 - (C) real net national product
 - (D) investment
 - (E) inflation rate
29. The following statement which is incorrect is
- (A) Prepaid expenses, depreciation, and unearned revenues involve previously recorded assets and liabilities
 - (B) Accrued expenses and accrued revenues involve assets and liabilities that have not been recorded
 - (C) Adjusting entries can be used to record both accrued expenses and accrued revenues
 - (D) Prepaid expenses, depreciation, and unearned revenues often require adjusting entries to record the effects of the passage of time
 - (E) Adjusting entries affect the cash account



30. A company purchased Rp4,000,000.00 worth of merchandise on January 10 (2/10,n/30). Transportation costs were an additional Rp350,000.00. The company later returned Rp275,000.00 worth of merchandise and paid the invoice on January 20. The total amount paid for this merchandise is
- (A) Rp3,725,000.00
 - (B) Rp3,925,000.00
 - (C) Rp3,993,500.00
 - (D) Rp4,000,500.00
 - (E) Rp4,075,000.00
35. The statement(s) that is(are) not in accordance with the conditions of the company in the perfectly competitive market is(are)
- (1) In the long term the company can obtain super normal profit or suffer loss
 - (2) The maximum profit is achieved when the total revenue is maximum
 - (3) The company can set the price
 - (4) Price equals total revenue equals average revenue

Use **Instruction B** to answer question(s) number 31 to 33.

31. Companies in an oligopoly market are faced with kinked demand curve where the top part is inelastic, while the bottom part is elastic.

BECAUSE

In an oligopoly market, there are only a few companies that produce differentiated product and homogenous product.

32. Some factors that influence demand are prices of related goods, tastes, and income.

BECAUSE

If the price of certain goods increases, ceteris paribus, demand of these good decreases, which is shown by the shift of the demand curve to the left.

33. The Indonesian institution responsible for managing and monitoring banking (in micro prudential) is Bank Indonesia.

BECAUSE

Bank Indonesia as a central bank in Indonesia is the bank for banks.

Use **Instruction C** to answer question(s) number 34 to 35.

34. Isocost curve will rotate inwards in the case of
- (1) wage increase
 - (2) cost reduction (company budget)
 - (3) interest rate hike
 - (4) increase in profit



INDONESIAN AND WORLD HISTORY

Use **Instruction A** to answer question(s) number 36 to 42.

36. The political party in East Timor whose political orientation favoring integration into Indonesia is

- (A) Fretilin (D) KOTA
(B) Apodeti (E) TRABALISTA
(C) UDT

37. ASEAN, formed in 1967, is a collaboration of Southeast Asian Countries. ASEAN cooperation in the field of trade is

- (A) SEATO (D) SEANWFZ
(B) SEAMEO (E) AFTA
(C) Zopfan

38. The impact of the influx of western penetration into the archipelago on the economy is

- (A) The strengthening of intra-regional trade
(B) The strengthening of free trade in the archipelago
(C) The destruction of social order in the archipelago
(D) The destruction of intra-regional trade
(E) The destruction of the Dutch trade monopoly

39. A new strategy used in the Indonesian movements against the Dutch was

- (A) cultural approach
(B) modern strategy
(C) confrontation
(D) modern organization
(E) diplomacy

40. World War I involved two major groups facing each other, the Allies and the Central Powers. One of the Allies members was

- (A) Latin America
(B) Germany
(C) Russia
(D) Japan
(E) Turkey

41. The rise of Asia is reflected in the rise of nationalism displayed in the reaction to

- (A) socialism
(B) democratism
(C) liberalism
(D) imperialism
(E) industrialization

42. Among the main purpose of Pan Islamism is

- (A) to unite Muslim against west penetration
(B) to foster economic independence
(C) to abolish colonialism
(D) to reject western culture
(E) to prevent the development of modern culture

Use **Instruction B** to answer question(s) number 43 to 46.

43. Changes in the mechanism of production of goods are one of the characteristics of countries that underwent the industrial revolution.

BECAUSE

Productions of goods are mostly done by machines.

44. In the 16th and 17th centuries, some regions of Europe found their identity and become a national state.

BECAUSE

Each country formed strived to strengthen the army, navy, and air force.

45. John Calvin is a prominent figure that encouraged the growth of capitalism.

BECAUSE

John Calvin viewed mundane job as a call of God and the principle of interest is saving.

46. Renaissance is a transition period from the medieval to the modern age.

BECAUSE

European society began to revive the ancient Greek thoughts and culture.



Use **Instruction C** to answer question(s) number 47 to 50.

47. The factor(s) that triggered the Russian revolution is(are)
- (1) distinct social status differences
 - (2) the development of agricultural industry in Russia
 - (3) agrarian change that had an impact on farmers
 - (4) the reign of Tsar Nicolas II, which is a constitutional monarchy
48. Absolute monarchy is the system used in France before the revolution. This can be seen from
- (1) II Prince
 - (2) Etat's Generaux
 - (3) Madame Explicit
 - (4) Etat c'est Moi
49. The figure(s) below which is(are) associated with the development of the American history is(are)
- (1) Bartolomeus Diaz
 - (2) Amerigo Vespucci
 - (3) Vasco da Gama
 - (4) Christopus Colombus
50. Every change brings impact. The impact of the industrial revolution on economics is(are)
- (1) the increase of the price of goods
 - (2) the increase of wage
 - (3) the change from capital-intensive industries to labor-intensive industries
 - (4) the expansion of the world trade



GEOGRAPHY

Use **Instruction A** to answer question(s) number 51 to 55.

51. There is a large number of smaller natural disasters (micro events) in Indonesia each year which often lead to deaths of 10 or 20 people or more. An example of this kind of disaster at the regional level is

- (A) flash floods and landslides in Manado in North Sulawesi in January 2014
- (B) landslide in Banjarnegara in December 2014
- (C) Aceh & Nias tsunami in December 2004
- (D) Sinabung eruption in February 2014
- (E) Padang earthquake in September 2009

52. Surabaya is home to many of the nation's fiercest independence fighters, the city is known also to locals as

- (A) Kota Pahlawan (City of Heroes)
- (B) Kota Pejuang (City of Warriors)
- (C) Kota Batik (City of Batik)
- (D) Kota Jembatan Merah (The Red Bridge City)
- (E) Kota Bung Tomo (City of Bung Tomo-national hero)

53. Where a slope of a mountain is irregular, the countours representing that slope are

- (A) far apart
- (B) close together
- (C) unevenly spaced
- (D) equidistant from each other
- (E) crowded so close together

54. The water area surrounding Krakatau is known as

- (A) Karimata strait
- (B) Madura strait
- (C) Sunda strait
- (D) Malaka strait
- (E) Bangka strait

55. Jakarta as many other big cities has to deal with the urban heat island effect. To cope with this problem Jakarta has plans to increase the amount of green parks and trees in the city, from 10 % to the ideal amount of

- (A) 20 %
- (B) 25 %
- (C) 30 %
- (D) 35 %
- (E) 40 %

Use **Instruction B** to answer question(s) number 56 to 60.

56. The burning of renewable resources such as natural gas has no significant effect on the warming of the atmosphere.

BECAUSE

The greenhouse gases such as CO₂, Methane, Chlorofluorocarbons (CFC's), and Nitrous Oxide in the atmosphere are caused by human activities.

57. Most of the larger islands of Indonesia, such as Sumatra, Java, Bali, Lombok, Sulawesi, and Seram are mountainous, with peaks ranging between 3,000 and 3,800 metres (9,843 and 12,467 ft) above sea level.

BECAUSE

The country's tallest mountains covered by snow are located in the Jayawijaya Mountains and the Sudirman Range in Kalimantan.

58. Coral reefs bordering the south east coast of Bali are termed barrier reefs.

BECAUSE

Coral reefs that lie offshore and parallel to the coast are fringing reefs.

59. Jakarta is not only the most populous city in Indonesia, but it is also the most populous in Southeast Asia.

BECAUSE

The official metropolitan suburbs, known as Jabodetabek, extend even further.



60. Indonesia's lowland tropical forests, the richest in timber resources and biodiversity, are most at risk.

BECAUSE

Indonesia is home to some of the most biologically diverse forests in the world and ranks third in number of species behind Brazil and Equador.

65. In the urban environment, the absorption of solar radiation causes higher ground temperatures for reasons like

- (1) the absence of plant foliage
- (2) the absence of transpiration
- (3) roofs and pavements of concrete and asphalt hold no moisture
- (4) the existence of population distribution pattern

Use **Instruction C** to answer question(s) number 61 to 65.

61. Indonesia has the largest number of volcanoes of any country in the world - 76 of them are historically active; significant volcanic activity occurs in

- (1) Sulawesi
- (2) Sumatra
- (3) the Sunda Islands
- (4) Kalimantan

62. A subduction earthquake and devastating tsunami which occurred on December 26, 2004 off the coast of the Indonesian island of Sumatra inflicted widespread destruction as far away as

- (1) Myanmar
- (2) Pakistan
- (3) Bangladesh
- (4) Cambodia

63. To realise the trans-Sumatera mega project, the structure of the project needs to be seen first, the aspect(s) of which is(are)

- (1) commercially prospective
- (2) skinny
- (3) financially feasible
- (4) the existing road represents a plantation road

64. Tropical wet and dry or savanna climate (Aw) have a pronounced dry season, with the driest month having precipitation less than 60 mm and less than 1/25 of the total annual precipitation. Example(s) of areas with this climate is(are)

- (1) Darwin, Northern Territory, Australia
- (2) Bangkok (Thailand)
- (3) Mumbai (India)
- (4) Nusa Tenggara islands (Indonesia)



INTEGRATED SOCIAL SCIENCES

The researchers studying data from 24 expedition ships that sailed around the world for six years revealed that there are already 269,000 tons of plastic pollutants in the ocean. Assorted plastic pollutants such as shopping bags, bottles, bottle caps, toys, pacifiers, toothbrushes, boots, buckets, umbrella handles, fishing poles, and even toilet seats have entered the ocean.

Research suggests 92% of the plastic arrives in the form of microplastic particles – which originate from larger objects which breakdown due to sunlight and are torn or split into pieces by the waves, sharks, and other fish. In recent years the experts have expressed their concern about how plastic pollutants kill many sea birds, marine mammals, and other creatures by tarnishing marine ecosystems. Plastic goods such as fish nets have trapped and killed dolphins, sea turtles, and other animals. The researchers say the plastic waste enters into the sea from rivers and densely populated coastal areas and shipping lanes.

Bigger plastic goods found in abundance along the shoreline often float into five subtropical strands of the world - a large area of rotating currents in the North and South Pacific, North and South Atlantic, and Indian oceans. According to the data based on expeditions to the five subtropical strands, coastal Australia, the Bay of Bengal, and the Mediterranean Sea, there is an estimated 5.25 trillion particles of plastic waste.

Use **Instruction A** to answer question(s) number 66 to 70.

66. During the West Monsoon the pollutants as stated in the text could settle particularly on the coast of

- (A) Surabaya
- (B) Balikpapan
- (C) Medan
- (D) Manado
- (E) Palembang

67. The commodities produced in the areas polluted by plastic as stated in the text can be categorized as ... industries.

- (A) primary
- (B) secondary
- (C) tertiary
- (D) manufacturing
- (E) services

68. On average, each expedition ship finds ... of plastic pollutants in ocean per year.

- (A) 1789 tons
- (B) 1868 tons
- (C) 1890 tons
- (D) 1923 tons
- (E) 1958 tons

69. During World War II, the ocean in the third paragraph which became the war zone in the war between Japan and the Allies was

- (A) Australian Ocean
- (B) Pacific Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean
- (E) Mediterranean Ocean

70. A country in the Bay of Bengal which had the first female prime minister in the world is

- (A) India
- (B) Palestine
- (C) Bangladesh
- (D) Srilanka
- (E) Myanmar



The Coordinating Minister for Maritime Affairs states that Indonesia's ornamental fish have the potential to contribute as much as 1.5 billion US dollars to the country. However, this has not been optimized, so that Indonesia as a maritime country is not able to compete with Singapore and Spain.

Hence, the government has encouraged all stakeholders to take part in the development of ornamental fish, to be able to have a competitive edge in export. Nevertheless, exporters are obliged to use certain flights to sell their goods overseas, such as Garuda Indonesia, which set higher airfares than other airlines. Coordination with other ministries, such as the Ministry of Transportation, is therefore necessary to overcome the problem.

Besides, the Coordinating Minister for Maritime Affairs has requested all the ministries to have ornamental fish in their buildings. The Minister hopes that the Minister of Tourism also recommends that hotels have ornamental fish in aquariums, fish ponds, etc., to decorate their hotels. As a result, the cultivation of freshwater and seawater ornamental fish can grow and the business can be more fascinating.

Based on the data from the Ministry of Marine Affairs and Fisheries, the export of ornamental fish has risen by 26% from the previous year, while the export performance from 1996 to 2013 reached 62.46%.

Use **Instruction A** to answer question(s) number 71 to 73.

71. In the 7th – 8th centuries, there was a maritime kingdom in Indonesia with Buddhist characteristics. The name of this kingdom was

- (A) Malayu
- (B) Majapahit
- (C) Sriwijaya
- (D) Mataram
- (E) Singosari

72. The condition described in the fourth paragraph in the text above caused

- (A) the State Budget of 2014 to increase
- (B) the State Budget of 2014 to decrease
- (C) an increase in the 2014 Gross Domestic Product calculated based on the revenue method
- (D) an increase in the 2014 Gross Domestic Product calculated based on the expenditure method
- (E) an increase in the 2014 Gross Domestic Product calculated based on the production method

73. The potential of domestic ornamental fish that has been absorbed and utilized by entrepreneurs amounts to

- (A) US\$ 390 million
- (B) US\$ 563.1 million
- (C) US\$ 936.9 million
- (D) US\$ 1,110 million
- (E) US\$ 1,326.9 million

Use **Instruction B** to answer question(s) number 74 .

74. In the text about the cultivation of ornamental fish, the resources for fish is limited to 12 nautical miles from the outer islands to each province.

BECAUSE

The Indonesian territorial sea limit is 12 nautical miles from the outer islands.

Use **Instruction C** to answer question(s) number 75 .

75. The Coordinating Minister's request of the whole ministry is a means of making use of space as a function of

- (1) information
- (2) business
- (3) promotion
- (4) services



Gutaperca, a very rare plant in the world, has a high economic value. A cultivator of the plant, PTPN VIII Sukamaju, Sukabumi, has exported the leaves to as far as European countries. The leaves of *gutaperca* are used as the main ingredient of dental stuff, such as bones and artificial teeth, and golf balls. Therefore, a number of European manufacturies regularly place a request on the leaves.

The price of a kilo of *gutaperca* leaves is quite high, up to 300 US dollars. This is resulted from the fact that the plant is difficult to find and the good quality of processed leaves as a basic material used in the production of false teeth and bones, as well as golf balls cannot yet be replaced by any other material.

Each month, PTPN VIII exports only 50–100 kg of *gutaperca* leaves because the production rate of the leaves is still very low, and yielding the leaves too early, before the time to harvest, can harm the plant and reduce the production. PTPN VIII Sukamaju cultivates *gutaperca* on a land of 282 hectares.

In addition, this plant has been used as an object of research and in education in that there have been a lot of domestic and foreign researchers from different universities coming to conduct research on the plant that only grows in the Sukabumi Regency. Although it actually originated from Brazil, but can no longer be found in that country.

Use **Instruction A** to answer question(s) number 76 to 79.

76. The highest income of PTPN VIII Sukamaju in a year from the export of *gutaperca* leaves is

- (A) US\$ 15,000
- (B) US\$ 22,500
- (C) US\$ 30,000
- (D) US\$ 270,000
- (E) US\$ 360,000

77. With reference to the origins of the tree and the location of PTPN, one of the requirements for the growth of the plant discussed in the text above is

- (A) high humidity
- (B) calcareous soils
- (C) swamp land
- (D) low lands
- (E) AW type of climate

78. At the beginning of the 16th Century, the people from the continent mentioned in the first paragraph, particularly the Spanish and the Portuguese, crossed the oceans in search of trade commodities that they needed. The first Portuguese explorer who succeeded in landing in the Cape of Good Hope is

- (A) Bartolomeus Diaz
- (B) Vasco da Gama
- (C) Ferdinand Magelhaens
- (D) Herman Cortez
- (E) Pizarro

79. The commodity mentioned in the text above is an economic good because

- (A) the commodity can be sold
- (B) one needs money to obtain it
- (C) it is scarce
- (D) it provides benefits
- (E) it is scarce and provides benefits

Use **Instruction B** to answer question(s) number 80 .

80. Export of the commodity to Europe mentioned in the third paragraph of the text is recorded in the balance of trade.

BECAUSE

If the increase of export of a country is smaller than the decrease of its imports, then there is a surplus in the balance of trade.