

# GENERAL EDUCATION- SET A/SET B

## GENERAL EDUCATION – 150 Items

### INSTRUCTIONS:

1. Detach one (1) answer sheet from the bottom of your Examinee ID/Answer Sheet Set.
2. Write the Subject title "GENERAL EDUCATION" on the box provided
3. Shade Set Box "A" on your answer sheet if your test booklet is Set A; Set Box "B" if your test booklet is Set B.

### MULTIPLE CHOICE:

1. My nephew and met a good friend of \_\_\_\_\_ in front of the boarding date.  
A. Us  
B. Mine  
C. Ourselves  
D. Ours
2. If ever you forgot \_\_\_\_\_ raincoat, you can always use \_\_\_\_\_ Paul  
A. Hour, hers  
B. His, hers  
C. Yours, ours  
D. your, mine
3. When hammering a nail through a wood. I am very careful not to wound \_\_\_\_\_.  
A. himself  
B. myself  
C. herself  
D. ourselves
4. The phrase "Red letter day" is considered as a/an \_\_\_\_\_.  
A. idiom  
B. metaphor  
C. hyperbole  
D. simile
5. \_\_\_\_\_ was chopping the vegetables when she cut \_\_\_\_\_.  
A. myself  
ourselves  
C. himself  
D. herself
6. You \_\_\_\_\_ finished washing the dishes before they arrive.  
A. should  
B. will have  
C. have been  
D. have
7. We adore \_\_\_\_\_ when Agatha speaks German fluently with \_\_\_\_\_.  
A. Him, them  
B. Her, me  
C. him, we  
D. him, me
8. She always watches the \_\_\_\_\_ news on television  
A. later  
B. lately  
C. late  
D. latest
9. I think the subject is heavy for Roberta and \_\_\_\_\_.  
A. me  
B. her  
C. myself  
D. us

# GENERAL EDUCATION- SET A/SET B

10. "The comedian is known for his CANDIDNESS." The CAPITALIZED words mean \_\_\_\_\_.

- A. tactfulness
- B. rudeness
- C. attention
- D. frankness

11. There is a nation-wide spread of malaria and I believe health authorities\_\_warned us.

- A. Should be
- B. should
- C. shall be
- D. should have

12. I could have participated in the research project if I\_ in the Philippine at that time

- A. Will be
- B. were
- C. are
- D. was

13. What figure of speech is exemplified by the statement below? "If you ask for the stars, I'll get them for you"

- A. metaphor
- B. simile
- C. hyperbole
- D. onomatopoeia

14. The Filipina writer is known for her love sonnets.

- A. Ophelia Dimalanta
- B. Edith Tiempo
- C. Paz Marquez Benitez
- D. Glicia Condero-Fernando

15. What figure of speech is being exemplified by the statement below? "The foreign delegates were the center of attention"

- A. personification
- B. simile
- C. metaphor
- D. hyperbole

16. Which of the following books of Leo Tolstoy is considered as the "greatest novel" ever written?

- A. War and peace
- B. Death of Ivan Turgenev
- C. Ana Karenina
- D. Crime and Punishment

17. The suprasegmental pertains to the highness and lowness of sounds.

- A. pitch
- B. juncture
- C. intonation
- D. Stress

18. This suprasegmental pertains to the rising and falling of sounds

- A. pitch
- B. juncture
- C. intonation
- D. stress

19. "The statements of the witnesses are IMPERTINENT to the case on trial." The CAPITALIZED word means \_\_\_\_\_.

- A. irrelevant
- B. malicious
- C. violent
- D. important

## GENERAL EDUCATION- SET A/SET B

20. What figure of speech is being exemplified in the statement below? "She is the apple of my eyes"

- A. simile
- B. alliteration
- C. metaphor
- D. hyperbole

21. The Filipino writer in English who focuses on Hispanic Filipino culture and traditions in most of his works.

- A. Edilberto Tempo
- B. Jose Garcia
- C. F. Sionil Jose
- D. Nick Joaquin

22. The DENR mandated the total ban \_\_\_\_\_ of dynamite fishing.

- A. With use
- B. To use
- C. of use
- D. on the use

23. Which of the following sounds is a voiced bilabial stop?

- A. /B/
- B. /Z/
- C. /P/
- D. /V/

24. What is the English translation of Rabindranath Tagore's "Gitanjali"?

- A. Song of Devotion
- B. Song of Offerings
- C. Hindu Poem
- D. Hindu Offering

25. This school of thought believes that language is learned through imitation, repetition and reinforcement.

- A. Behaviorism
- B. Cognitivist
- C. Functionalist
- D. Psycholinguistic

26. This is Carlos Bulosan's masterpiece about a father who was accused of stealing the "spirit" / "smell" of food.

- A. My father Goes to Court
- B. The Smell Stealer
- C. The Innocent Father
- D. Will have studied

27. Three years is required for a specific language specialization, Roger \_\_\_\_\_ for one year and he still needs to study more.

- A. Has studied
- B. Studied
- C. has been studying
- D. will have studied

28. Which made the sentence wrong? "She has taken the exam."

- A. Had
- B. Exam
- C. Taken
- D. No Error

29. A great amount of water \_\_\_\_\_ needed for the drought to end.

- A. is
- B. is being
- C. was
- D. were

30. This Shakespearean play deals with a prince whose father was murdered by his uncle

- A. Hamlet
- C. Merchant of Venice

# GENERAL EDUCATION- SET A/SET B

B. Julius Ceasar

D. Macbeth

31. The fraction between  $\frac{2}{3}$  and  $\frac{11}{12}$  is\_\_\_\_\_.

A.  $\frac{5}{12}$

C.  $\frac{3}{4}$

B.  $\frac{7}{12}$

D.  $\frac{15}{16}$

32. A wooden plank has dimensions 2 feet by 1 foot by 6 inches. What is its surface area?

A. 5.5 sq. in.

C. 7.5 sq. in.

B. 7 sq. in.

D. 8 sq. in.

33. Haile is reading a book. She can finish reading 3 pages in 1.5 minutes. How long will it takes her finish reading the book if it has 612 pages?

A. 5 hours and 6 minutes

C. 14 hours and 41 minutes

B. 8 hours and 12 minutes

D. 20 hours and 24 minutes

34. What is the GCF of 85, 153 and 357?

A. 15

C. 19

B. 17

D. 23

35. Solve for the LCM of 8, 12 and 20.

A. 60

C. 120

B. 80

D. 240

36. The approximate shape of a tennis ball is\_\_\_\_\_?

circle

C. cylinder

cone

D. sphere

37. Brakes 10 artists 6 days to finish graffiti. How long will it take 4 artists?

A. 4 days

C. 16 days

B. 12 days

D. 18 days

38. Which of the following is divisible by 3?

A. 987 646

C. 493 843

B. 864 191

D. 370 368

39. Simplify the expression  $2 - [3 + (4 - 2 \times 3) \div 2.2^2 + 5^0] \cdot 3 - 4 \div 2$

A. -4

C. 0

B. -2

D. 4

40. Divide  $(-20x^2 + 43x - 21)$  by  $(-5x + 7)$

A.  $-x + 3$

C.  $x + 3$

B.  $-4x - 3$

D.  $4x - 3$

41. How many 25-cm ribbons can be cut from a 50-dam ribbon?

A. 200

C. 2,000

B. 1,000

D. 10,000

## GENERAL EDUCATION- SET A/SET B

42. A card will be randomly picked from a standard deck. What is the probability of drawing a red queen?

- A.  $\frac{1}{13}$
- B.  $\frac{1}{26}$
- C.  $\frac{1}{56}$
- D. 0

43. Two dice are rolled. What is the probability that the results are the same?

- A.  $\frac{1}{12}$
- B.  $\frac{1}{7}$
- C.  $\frac{2}{7}$
- D.  $\frac{1}{6}$

44. Jim has 5 shirts, 3 shorts and 2 shoes. How many outfits can he make?

- A. 60 outfits
- B. 30 outfits
- C. 5 outfits
- D. 10 outfits

45. Which inequality has as solution  $p < -5$ ?

- A.  $3x + 60 < -5x + 20$
- B.  $-3x + 60 < 5x + 20$
- C.  $3x - 60 < -5x + 20$
- D.  $3x - 60 < 5x + 20$

46. Which best describes a 45-45-90 triangle?

- A. Acute & scalene
- B. Right & scalene
- C. Acute & isosceles
- D. Right & isosceles

47. Find the length of each side of an isosceles trapezoid with lower base of 12 meters and upper base of 6 meters and height of 4 meters.

- A. 10 meters
- B. 6 meters
- C. 7 meters
- D. 5 meters

48. Given triangle ABC where C is right. How will you describe sides a and b in terms of angle A?

- A. Adjacent; hypotenuse
- B. Adjacent; opposite
- C. opposite; adjacent
- D. Opposite; hypotenuse

49. What is the final amount after adding the annual interest of 12% for 4 months on Php

- A. 10,000.00?
- B. Php 400
- C. Php 10,300
- D. Php 10,400

50. Mr. Bustos ordered a merchandise listed at Php 32,000.00. the invoice showed the net price of Php 20,800.00. Find the discount rate.

- A. 65%
- B. 55%
- C. 45%
- D. 35%

51. What system of measurement includes the use of pounds, inches, yards and miles?

- A. Primitive
- B. English
- C. Metric
- D. Scientific

## GENERAL EDUCATION- SET A/SET B

52. The first angle of a quadrilateral is 60, the second is 10 less than the first and the third is equal to the second. What is the fourth angle of the quadrilateral?

- A. 200  
B. 35  
C. 50  
D. 70

53. What are the prime factors of 140?

- A.  $3 \times 4 \times 5$   
B.  $3 \times 2^2 \times 5$   
C.  $4 \times 5 \times 7$   
D.  $2^2 \times 5 \times 7$

54. The slope of the line in the equation  $x + 2y = 6$  is \_\_\_\_\_.

- A. -3  
B.  $-1/2$   
C.  $1/2$   
D. 3

55. Which mathematical statement best describes the situation the average age of 2 friends is 26, one of them is 29 years old, how old is the other?

- A.  $x = (26 + 29)/2$   
B.  $x = 29(2)/26$   
C.  $x = 29(2) - 26$   
D.  $x = 26(2) - 29$

56. Factor  $-6x^2 - 13x + 5$  completely.

- A.  $(3x + 5)(2x + 1)$   
B.  $(3x - 5)(2x - 1)$   
C.  $(-3x - 5)(2x - 1)$   
D.  $(3x - 5)(-2x - 1)$

57. What is the largest prime number less than 190?

- A. 189  
B. 187  
C. 183  
D. 181

58. Chester obtained the following results from his Mathematics examinations 87, 92, 85 and 90. What score must he get on the next examination so that his average score is 89?

- A. 88  
B. 89  
C. 90  
D. 91

59. What is the area of a circle inscribed in a square having a side of 8 inches?

- $50 \text{ in}^2$   
 $48 \text{ in}^2$   
C.  $32 \text{ in}^2$   
D.  $16 \text{ in}^2$

60. What is the final amount of a principal Php 35,000 invested at 3% compounded quarterly for 5 years?

- A. Php 53 251  
B. 36 792  
C. Php 40 250  
D. Php 40 641

61. Sa salitang sinukuan, ang salitang ugat ay \_\_\_\_\_

- A. suko  
B. sinuko  
C. sikuan  
D. sukuan

62. Ang pagpapalitan ng mga opinion, ideya at ng salaysay na gumagamit ng mga sagisag ay tinatawag na \_\_\_\_\_.

- A. paglalahad  
B. pakikinig  
C. pagtuklas  
D. talastasan

## GENERAL EDUCATION- SET A/SET B

63. Alin sa mga disenyo ng pananaliksik ang ginagamit ng malapitang pag-aaral ng lugar at mga taong kabilang sa pananaliksik?

- A. etnograpiya
- B. eksperimento
- C. panayam
- D. case study

64. Ang pariralang nalaglag, nahulog ay mga pahayag na.

- A. magkahawig
- B. magkapares
- C. magkasalungat
- D. idyoma

65. Aling panghalip ang ginagamit ng panturo sa mga bagay?

- A. palayon
- B. palagyo
- C. pamaklaw
- D. pamatlig

66. Ito ay istrategiya sa pananaliksik na naglalarawan sa isang phenomenon sa kanyang natural na kapaligiran na pinangyayarihan nito.

- A. Follow-up study
- B. Case study
- C. Field study
- D. Trend study

67. Ito ang ipinagpapalagay na pinakaunang Sistema ng pagsulat sa Pilipinas.

- A. alibata
- B. abakada
- C. kalantiao
- D. balitaw

68. Ito ang pangatnig na ginagamit kung may nais na bigyang linaw.

- A. namumukod
- B. bukod-tangi
- C. humugit-kumulang
- D. samakatuwid

69. Anong uri ng pagsasalin ang naganap sa pahayag? Orihina: Mommy cooked spaghetti for Ate.

Salin: Si Nanay ay nagluto ng spaghetti para kay Ate.

- A. idyomatiko
- B. adapsyon
- C. literal
- D. Malaya

70. Ang modernisasyon sa wikang Pambansa ay nagsimula noong\_\_\_\_\_.

- A. 1959
- B. 1997
- C. 1987
- D. 1974

71. Sa kabila ng karukhaan, nagsumikap sya na makapagtapos ng kolehiyo. Ang simuno sa pangungusap ay\_\_\_\_\_.

- A. karukhaan
- B. nagsumikap
- C. sya
- D. kolehiyo

72. Alin sa mga salita ang nagsaad na ang wika ay pauunawaan at napagkasunduan ng isang lahi opangkat?

- A. likas
- C. dinamiko

# GENERAL EDUCATION- SET A/SET B

B. arbitraryo

D. masistema

73. "Malakas ang boses ng guro." Anong bahagi ng pananalita ang salitang malakas?

A. pandiwa

C. pang-abay

B. panghalip

D. pang-uri

74. "Mukhang matinong tao siya subalit siya ay buwaya sa katihan." Ang idyoma ay nangangahulugang\_\_.

A. maliksi

C. traydor

B. mabagal

D. matapang

75. "Kakain ko pa lamang." Anong aspekto ang pandiwa?

A. Perpektibo

C. Imperpektibo

B. Kontemplatibo

D. Pangkasalukuyan

76. Ito ay tumutukoy sa paraan ng paggamit ng coping o survival strategies.

A. Pragmatik

C. Kaalamang extralinguistic

B. Kakayahang estratidyik

D. Kakayahang sosyolingwistik

77. Sa gawaing pananaliksik tulag ng tosis, amg maikling buod sa pananimula aytinatawag na \_\_\_\_\_.

A. preci

C. abstrak

B. sinopsis

D. talahanayan

78. Aling Teorya sa simu-simula ng wika ang nagsasaad na ang wika ay nagmula sa mga tunog na nalilikha ng mga sanggol?

A. Teoryang Bowwow

C. Teoryang Coo-coo

B. Teoryang Mama

D. Teoryang yoheho

79. Ito ay may layuning magpahayag ng reaksiyon o magbigay ebalwasyon sa pinakikinggan at tinatawag ding Pahunang Pakikinig.

Analitikal

C. Kritikal

Atentibo

D. Marginal

80. Ito ang pagbasang pinakamataas na antas.

inspesyunal

C. Sintopikal

analitikal

D. primarya

81. Walang silbi ang kahit anong uri ng lambat\_\_\_\_hindi nito kayang mahuli sa Pandaka.

Ngunit C. Parang

Dahil

D. Sakali

82. Alin sa mga sumusunod na pangatnig ang siyang ginagamit sa paglilinaw o dagdag na pagliwanag?

A.

C. ;samakatuwid

B. bukod-tangi

D. humigit-kumulang

## GENERAL EDUCATION- SET A/SET B

83. Ito ay may layuning magpahayag ng reaksyon o magbigay ebalwasyon sa pinakikinggan, tinatawag ding Pahusgang Pakikinig.

- A. Analitikal
- B. Atentibo
- C. Kritikal
- D. Marginal

84. Aling ang tumutukoy sap ag-aaral sa wastong paggamit ng mga salita sa pangungusap?

- A. dramatika
- B. pagbaybay
- C. samantika
- D. Sistema

85. Ito ay kakayahang tumutukoy sa paraan ng paggamit ng mga coping o survival strategies upang punan ang limitadong kaalaman sa tuntunin sa wika at kontekstong sosyo-kultural para sa maayos na komunikasyon.

- A. Kakayahang Estratedjik
- B. Kakayahang Pragmatik
- C. Kakayahang Sosyolingwistik
- D. Kakayahang Diskorsal

86. Ang pag-aaral ng ugnayan sa pagitan ng wika at lipunan ay tinatawag na \_\_\_.

- A. Istratedjik
- B. Pragmatiks
- C. Sosyolingwistik
- D. Diskurso

87. Anong uri ng panlapi ang ginagamit sa mga sumusunod na salita? Binilad, sinampay, at tiniklop

- A. unlapi
- B. hulapi
- C. gitlapi
- D. laguhan

88. Alin ang katumbas ng temporal communication.

- A. Vocalics
- B. Ojjectics
- C. Haptics
- D. Chronemics

89. Ang kumpas na naglalarawan ng laki, layo, hugis at haba ay tinatawag na

- A. haptics
- B. Emphatic
- C. regulatori
- D. Deskriptib

90. Aling pangatnig ang ginagamit sa pagbibigay ng karagdagan?

- A. Hindi lang
- B. Kundi man
- C. kapag
- D. at

91. Fernando Amorsolo was awarded the National Artist Award on 1972. His art usually depicts rural kind of life in the Philippines. Among his famous paintings include, Mango Pickers (1936), A basket of Mangoes (1949), tinikling in Barrio (1951) among others. Fernando Amorsolo was dubbed as:

- A. Grand Old Man of Philippine Art
- B. Grand Old Man of Philippine Painting
- C. Greatest Old Man of Philippine Art
- D. Greatest Old Man of Philippine Painting

## GENERAL EDUCATION- SET A/SET B

92. Governor General Narciso Claveria issued a law that required Filipinos to adopt Spanish and indigenous surnames from the Catalogo Alfabetico de Apellidos to facilitate efficient tax collection. The law was known as:

- A. Claveria Decree of 1894
- B. Claveria Decree of 1849
- C. Claveria Decree of 1854
- D. Claveria Decree of 1845

93. Which among the following best describes the essence of the Tydings- Mc Duffie Law?

- A. The bill was personally pursued by President Manuel L. Quezon
- B. The bill was signed by Theodore Roosevelt
- C. It stated the Philippine Independence will take effect on 4 July 1944
- D. All of the choices

94. Andres Bonifacio was a brave patriot, leader and founder of the Katipunan. He advocated for complete independence from Spain. He believed that only through 'armed struggle' and revolution would the Philippines be free from the tyranny of Spain. What was NOT true in Philippine history about him?

- A. He married Gregoria de Jesus
- B. There was fraction between his troops and the troops of Emilio Aguinaldo
- C. Like Rizal, he was convinced that reforms and assimilation will free the Filipinos from Spain
- D. He tried to establish his own rebel government (thru the Acta de Tejeros)

95. The Philippine pre-colonial era attested that the first foreign religious to influence the Philippines were Buddhism and Hinduism around 900 AD. This influence came from the Empire of Srivijaya. Who were these aboriginal settlers who crossed the seas from Southern Philippines?

- A. Malays
- B. Sumatrans
- C. Negritos
- D. Bornean's

96. In which article of the Universal Declaration of Human Rights state the 'right to life, liberty and security of persons'?

- A. Article 1
- B. Article 2
- C. Article 3
- D. Article 4

97. The writ of habeas data is invoked by any person whose right.

- A. May require a speedy and effectual remedy to relive persons from unlawful restraint.
- B. To life, liberty and security is violated or threatened with violation by an unlawful act or omission of a public official or employee.
- C. None among the choices
- D. To privacy in life liberty or security is violated or threatened in gathering, collecting or storing of data or information.

98. In what way could the executive department exercise check and balance over the legislative department?

## GENERAL EDUCATION- SET A/SET B

A. The President could veto a bill

- B. Impeachment of the Chief Justice of the Supreme Court
- C. Declaring an act of the President unconstitutional
- D. Imposing salary grades to the members of the cabinet

99. Plaridel' wrote the pamphlet 'La Frailocracia Filipina' in order to emphasize that the friars were the rulers during the Spanish Colonial Period. Who was 'Plaridel'?

- A. Andres Bonifacio
- B. Graciano Lopez-Jaena
- C. Marcelo H. Del Pilar
- D. Antonio Luna

100. In his reign as governor general, Jose Basco introduced economic reforms, a "general economic plan, aimed at making Philippines self-sufficient. He also introduced the\_\_\_in the present day Region I and II in the Philippines on 1781."

- A. Rice monopoly
- B. Coconut Monopoly
- C. Abaca Monopoly
- D. tobacco Monopoly

101. Which rights invokes literally to "produce the body"?

- A. Writ of habeas data
- B. Writ of habeas corpus
- C. Writ of amparo
- D. Human rights

102. The Sandugo (One Blood) was a blood compact performed in the spirit of friendship between the Spaniards and Filipinos by Datu Sikatuna and Sapanish explorer Miguel Lopez de Legazpi. The Blood compact has a monument which can be found in.

- A. Tagbilaran Bohol
- B. Panay Island
- C. Mactan Cebu
- D. Capul Island

103. La Solidaridad being the principal organ of the Reform Movement in Spain aimed towards achieving assimilation of Philippines to Spain. The known triumvirate of the La Solidaridad were

- A. Rizal, Lopez Jaena and Ponce
- B. Rizal, del Pilar and Paterno
- C. Rizal, Lopez and Luna
- D. Rizal, Lopez Jaena and del Pilar

104. The New Yorker tagged her as the "pianist's pianist and at such a young age won the prestigious Leventritt Gold Medal. She is a Filipino pianist who is internationally renowned and has played in various world's greatest orchestra."

- A. Ingrid Sta. Maria
- B. Teresita Agana
- C. Rosie Farol
- D. Cecil Licad

105. "Kapwa" is one of the constructs in Filipino psychology according to Enriquez (1992) where it exemplifies "tayo-tayo" mentality and where camaraderie and togetherness are a part of shared identity. Which from the following Filipino traits of "pakikipagkapwa" is NOT included?

- A. Pakikisama
- B. Pakikitungo
- C. pakikibago
- D. none among the choices

## GENERAL EDUCATION- SET A/SET B

106. The congress of the Philippines is the National legislature that is bicameral in nature. Its known characteristics are as follows. EXCEPT ONE

A. The Senate is composed of 24 senators in which half are elected every six years.

**B. The House of Representatives do not represent sectoral groups**

C. The Senators do not represent any geographical district

D. There are more than 250 House of Representative members

107. This refers to an art produced at the present period of time that reflects the current by utilizing classical techniques in drawing, painting and sculpting

A. Contemporary-Modern Art      C. Contemporary-Antique Art

B. Contemporary-Traditional Art      **D. Contemporary-Classical Art**

108. Confucianism was officially adopted and given exclusive patronage by Emperor Wu. Of which dynasty was the reign of Emperor Wu?

A. Sung

C. Chin

**B. Han**

D. Ming

109. Rizal had his words for the revolution:

"Reforms to be beneficial, must come from above, and those which come from below are irregularly Gained and uncertain"

Rizal is model of :

**A. Non-violence**

C. Armed struggle

B. Rebellion

D. Filibusterism

110. There were three movements that shaped the history of Asia. Islamicization (the spread of Islam) Indianization (the spread of Hinduism and Buddhism and Christianization (the spread of Christianity)) which only country was Christianized?

A. Singapore

C. Taiwan

**B. The Philippines**

D. Korea

111. This settlement policy was meant to centralized the Filipino community where churches, convents plaza complexes were clustered. By this, the Spaniards could apparently monitor the movement, Filipinos-preventing thus protests and for efficient collection of taxes.

A. Encomienda

C. Bandala

B. Hacienda

**D. Reduccion**

112. known as the:

A. Father of Philippine Secularization

**C. Godfather of the Philippine Revolution**

B. Father of Philippine Revolution

D. Father of Philippine Independent Church

113. He was born 551 Bc and he greatly influence his followers to adhere to personal and government morality, contractness of social relationship, justice and sincerity

**A. Confucius**

C. Siddharta Gautame

B. Lao Tzu

D. Muhammad

114. What are the three branches of the Philippine government

# GENERAL EDUCATION- SET A/SET B

- A. AFP, PNP, PMA  
B. Senate, House of Representative, Supreme court  
C. President, Vice-President, Chief Justice  
D. Executive, Legislative, Judiciary

115. What does it take to have a strong self-efficacy?

- A. Treat challenging problems as tasks to be mastered  
B. Avoid challenging tasks  
C. Let setbacks linger and remain in the consciousness  
D. Never take interest on activities to be participated

116. This economic system encourages private ownership, free enterprise, capital accumulation with labor and competitive markets.

- A. Socialism  
B. Utilitarianism  
C. Communism  
D. Capitalism

117. How is the power of Eminent Domain exercised?

- A. Taking of private property or rights by the government for just compensation when it is for public purpose  
B. The state could take or authorize the taking of private property for public use without the owner's consent, conditioned upon payment of just compensation  
C. The state could impose compulsory levies on individuals or entities  
D. All of the choices

118. Who may file for community tax in the Philippines?

- A. Only persons who have income tax return  
B. All Filipino citizens (including newborn)  
C. Only senior citizens  
D. Every Filipino who is at least 18 years of age and have working 30 consecutives days

119. Who leads in a matriarchal community?

- A. Mother  
B. Oldest daughter  
C. Aunt  
D. Grandmother

120. Which philosophy believes in harmony with nature and we should live with balance and virtue

- A. Taoism  
B. Confucianism  
C. Buddhism  
D. Sikhism

121. Of the following statement listed below, which is a part of scientific method that will provide information to support predictions?

- A. Perform experiment with a controlled set up  
B. Refer to internet for the possible answer  
C. Formulate scientific guess  
D. Interview resource persons in order to collect possible data

122. Which of the following is used in classifying plants based on phylogenetics?

- A. Chemical Composition  
B. Structural Similarities  
C. Physiological Traits  
D. Evolutionary Sequence

## GENERAL EDUCATION- SET A/SET B

123. The Father of Modern Taxonomy and responsible for classifying man as Homo sapiens is

- A. Aristotle
- B. Gregor Mendel
- C. Carl Linnaeus
- D. Charles Darwin

124. The thin structure used by amoeba for its movement, changing its shape and food getting is called

- A. Myosin Filaments
- B. Mono Filaments
- C. Pseudo Filaments
- D. Micro Filaments

125. What do you think will happen when a plant cell is placed in hypotonic solution?

- A. The plant cell will shrink
- B. The plant cell will swell
- C. The plant cell will rupture
- D. The plant cell will remain as is

126. The openings underneath the leaves that serve as the breathing organ of the plants are called.

- A. Cells
- B. Stomata
- C. Nucleus
- D. Xylem

127. Plants capture energy from the sunlight by means of a molecule known as

- A. chlorophyll
- B. Adenosine Triphosphate (ATP)
- C. Oxygen
- D. Nitrates

128. In order to determine the cause of an infectious disease, a diagnostic test that allow microorganisms to multiply in a medium is performed in a controlled laboratory condition. This test is called

- A. Complete Blood Count (CBC)
- B. Urinalysis
- C. Microbial Culture
- D. Magnetic Resonance imaging (MRI)

129. Secretes insulin that aids in the regulation of sugar in the body?

- A. Kidney
- B. Liver
- C. Pancreas
- D. Thyroid

130. Who was this English naturalist who hypothesized that evolution resulted from natural selection?

- A. Gregor Mendel
- B. Charles Darwin
- C. Carl Linnaeus
- D. Stevens

131. Which statement is correct about dominant genes?

- A. Will not be expressed if heterozygous
- B. Are aggressive and expresses the more beneficial traits
- C. Prevent the expression of another gene in the same locus
- D. Should not be paired with recessive gene in order to be expressed

132. A virus has a protein shell called

- A. Capsid
- B. Nucleus
- C. Nucleic acid
- D. Gene

## GENERAL EDUCATION- SET A/SET B

133. What do you call a marine mammal that has a long ivory tusks and well adapted in the tundra biome?

- A. Whale
- B. Elephant
- C. Walrus
- D. Polar Bear

134. The term used in showing the feeding connections among all the living things is called.

- A. Energy Pyramid
- B. Nutrition Cycle
- C. Food Web
- D. Water Cycle

135. Organisms, like ants, behave under specific environmental conditions, such as storing food during summer defending themselves by stinging enemies or even invading other ant colonies. The term used to describe this behavior of the organisms is called

- A. Ecological Defeat
- B. Ecological Habitat
- C. Ecological Succession
- D. Ecological Niche

136. The major concern about global warming arises from the increased concentration of

- A. Greenhouse Gasses
- B. Suspended Particulates
- C. Acid Rain
- D. Sulfur Oxides

137. What particular marine organism becomes poisonous for human consumption after being affected by the red tide phenomenon?

- A. Algae
- B. Arthropod
- C. Mollusk
- D. Dino Flagellate

138. Social and environment injustices are interconnected, as exemplified by which of the following activities?

- A. Temperature warming and rise of sea level due to continuous industrialization
- B. Toxic waste from industrialization countries are disposed to poorer countries
- C. Extinction of rare animal species due to illegal hunt of hunters from developed countries
- D. Desertification of third countries by the developed countries

139. An ecosystem that suffered ecological imbalance can recover naturally through

- A. Ecological succession
- B. Ecological evolution
- C. Ecological balance
- D. Ecological Niche

140. A simple hypothetical ecosystem consists of the following: worms, which are the primary consumers, feed on the cabbage, the producers. The small passerine birds, feeding on the worms are the secondary consumers and the lion acts as the tertiary consumer. A farmer arrives and sprays pesticides, killing all the caterpillars. What will happen to the organisms in the ecosystem?

- A. The lion will die
- B. The passerine acid will thrive
- C. The cabbage will wilt and die
- D. The worms will still reproduce

141. A razor blade can float on the surface of water because of

- A. Surface tension
- B. Capillarity
- C. Buoyant force
- D. Liquid pressure

## GENERAL EDUCATION- SET A/SET B

142. Of the energy sources listed below, which one is considered as the most abundant but still not fully developed?

- A. Oil
- B. Sun**
- C. Wind
- D. Coal

143. Which of the following statements is true?

- A. Light travel fastest in a vacuum while sound travels fastest in solid**
- B. Light travels fastest in solid while sound travel fastest in liquid
- C. Both light and sound travel fastest in a vacuum
- D. Both light and sound travel fastest in solid

144. A mirage is sometimes experienced by a driver while traveling along the highway during hot summer day. The effect of this phenomenon has something to do with

- A. Zinc Composition
- C. Carbon Coating**
- Asphalt Seal**
- D. Electrolyte

145. Perfumes and artificial flavors contain organic compounds called

- A. Esters**
- B. Ethers
- C. Acids
- D. Alcohol

146. An atom of chlorine has an atomic number of 17 and mass number of 35. How many electrons are there in this atom?

- A. 1
- B. 17**
- C. 18
- D. 35

147. The chemical equation.  $AB + \text{energy} \rightarrow A+B$  is an example of

- A. Exothermic decomposition
- C. Endothermic decomposition**
- B. Exothermic synthesis
- D. Endothermic synthesis

148. Of the following substances, which one is an alkaloid?

- A. Bakelite
- B. Nicotine**
- C. Aspirin
- D. Eucalyptus

149. How many phases does the moon pass during one complete revolution around the earth?

- A. 3
- B. 4
- C. 6
- D. 8**

150. What term is given to the surface of the earth between the tropic of cancer and the equator?

- A. Longitude
- C. Zone**
- B. Meridian
- D. Solstice

# GENERAL EDUCATION- SET A/SET B

- 
- The logo of the Professional Regulation Commission of the Philippines is a circular emblem. It features a central yellow and red flame-like symbol above a yellow bowl. This central motif is surrounded by a blue field with white, interlocking geometric lines that form a complex, star-like pattern. The entire emblem is enclosed within a yellow border. The text 'PROFESSIONAL REGULATION COMMISSION' is written in grey, uppercase letters along the top inner edge of the yellow border, and 'OF THE PHILIPPINES' is written along the bottom inner edge. A small dot separates the two phrases.
1. Pulchritude - Loveliness
  2. Composure – Aplomb
  3. Abase- Demoted
  4. Despotism – Cruel
  5. Persiflage – Praise glowingly
  6. Dexterity – Manual skill
  7. Amorphous - Shapeless
  8. Penchant - Fondness
  9. Transmuted - Change
  10. Transcendental -Supernatural
  - 11 Rancor - Bitterness
  - 12 Carnal - Worldly
  13. Sine qua non - Indispensable
  14. Euphoria - Extreme Happiness
  15. Loquacious - Verbose
  16. Acapella - Without accompaniment
  17. Alter ego – Close and Inseparable, Friend
  18. Amor con Amor se paga – Love begets love
  19. conflagration - Large fire
  20. Baduy – Awkward-looking
  21. Mundane – Ordinary
  22. Profanity – Obscenity
  23. Apocalyptic – Prophetic
  24. Impertinent – Irrelevant
  25. Voracious – Very eager
  26. Abandoned – Left behind
  27. Volition – Will
  28. Esoteric – Understandable by few
  29. Queue – line
  30. Docile – Easy to management
  31. Erudite – Learned
  32. Soiree – Evening party

## GENERAL EDUCATION- SET A/SET B

33. Connoisseur – Expert in a matter of test
34. Chauffeur - Driver
35. Mesdames- Plural of madame
36. Renaissance- Rebirth
37. Sophisticated – Wordly
38. Caveat -emptor - Let the buyer decide
39. Ad nauseam - Excessive degree
40. Coup de grace – A death blow
41. Correlation – No relation
42. Prodigy - Offspring
43. Formally – Unconventionally
44. Formerly – Hereto force

- ✓ Highway 54 - the old name of EDSA during WW-II
- ✓ Trisomy 21 - also known as down syndrome
- ✓ Kumintang - Filipinos would sing this song in preparation for war battle
- ✓ En ventre sa mere - the right of the unborn child is the same as the right of individual
- ✓ Mark Twain - the pen name of Samuel Clemens
- ✓ Heroic Couplet - last two lines of the Sonnet
- ✓ Sergio Osmeña - the first appointed head of the Department of Education during Commonwealth period
- ✓ Philippine Normal University - established by the Americans for aspiring educators in 1901
- ✓ Animal cells - do not produce cell walls
- ✓ Boustrophedon - Ancient Greeks form of writing
- ✓ Nitrogen - the most abundant gas in the atmosphere
- ✓ Skin - body's largest organ
- ✓ Chivalric education - also known as a social discipline. The educational system which emphasized social etiquette
- ✓ Socratic method - teachers ask questions to try to get students to clarify and rethink their own ideas, to come eventually to a deep and clear understanding of philosophical concepts
- ✓ Saracenic education - this education is training for scientific thinking
- ✓ verbatim - word for word
- ✓ Social Justice - very foundation of genuine peace and reconciliation
- ✓ National Treasury - provides the fund to support the Air Quality Management in the Philippines
- ✓ Tomas Pinpin - kauna-unahang manlilimbag na Pilipino
- ✓ Pascual Poblete - tinaguriang "Ama ng Pahayagang tagalog"
- ✓ Oxygen - a by-product of Photosynthesis
- ✓ water - universal solvent
- ✓ Gametes (in human) - contain 22 autosomes and 1 sex chromosome
- ✓ Emilio Jacinto - utak ng Himagikan
- ✓ Apolinario Mabini - utak ng rebolusyon Katipunan
- ✓ Kinkee - the gas lamp used to lighten the streets in intramuros way back in history
- ✓ Miranda rule - the right of a person under arrest
- ✓ Epistemology - examines the nature and origin of human knowledge
- ✓ empiricism - holds that the sensory experience is the source of knowledge

## GENERAL EDUCATION- SET A/SET B

- ✓ Agnosticism - coined by Thomas Huxley which means "not knowledge but being able to know
  - ✓ metaphysics - it seeks to find out what is ultimately real
  - ✓ Horticulture - the art of growing flowers, fruits and vegetables
  - ✓ Jus sanguinis - a child follows the nationality or citizenship of the parents regardless of the place of his birth
  - ✓ 1956 - Lupang Hinirang was sung for the first time
  - ✓ Element - the simplest substance that cannot be decomposed further by normal chemical means
  - ✓ Pedro Bucaneg - Ama ng panitikang Ilocano
  - ✓ Intellectual Appreciative Experiences - based on the premise that all the learning has emotional correlates
  - ✓ Thailand - formerly called "Siam"
  - Henry Otley Beyer - proposed the idea that the first Filipinos came through waves of migration from South to North
  - ✓ Klaster - Kambal katinig
  - ✓ Trinidad Tecson - Ina ng Biak-na-Bato at Ina ng Kruss na Pula (Red cross)
  - ✓ Truman Doctrine - was an american foreign policy created to counter Soviet geopolitical expansion during the cold war
  - ✓ Manila - was named "Distinguished and ever loyal city" by Legaspi
  - ✓ Mariano Trias - First Vice President of the Republic of the Philippines
  - ✓ Plebiscite - the direct vote of all the members of an electorate on important public questions such as a change in the Constitution.
  - ✓ Monotheist religion - Christianity, Islam, Judaism
  - ✓ First sultanate - Sultanate of Sulu
  - ✓ Diwata I - first Satellite launched by the Philippines
  - ✓ Franchise - given the right to vote
  - ✓ disenfranchise - removal of the right to vote
  - ✓ Antarctica - Largest dessert, cold dessert
  - ✓ Bicameralism - upper house / Lowerhouse
  - ✓ Executive - implementing body
  - ✓ Legislative - Lawmaking body
  - ✓ Judiciary - interpreting body
  - ✓ Ural Mountain - separated Europe and Asia
  - ✓ 5 ships of Magellan - Trinidad, Conception, Victoria, San Antonio, & San Tiago
  - ✓ Mongoloids - Known as the Yellow race
1. DOCTRINA CRISTIANA - the first book written in the Philippines.
  2. PEDRO BUKANEG - the Father of Ilocano Literature.
  3. FRANCISCO BALTAZAR - the Father of Tagalog Poetry.
  4. LOLA BASYANG is the pen name of Severino Reyes.
  5. KENKOY - the first and longest-running komiks series in the Philippines.
  6. JUAN CRISOSTOMO SOTO - the Father of Pampango Literature.
  7. MANILA BULLETIN - the oldest existing newspaper in the Philippines since 1900
  8. ALEJANDRO ABADILLA - the Father of Modern Tagalog Poetry.
  9. He wrote the popular fable The Monkey and the Turtle - JOSE RIZAL
  10. This is known as Andres Bonifacio's Ten Commandments of the Katipunan - THE DECALOGUE.

## GENERAL EDUCATION- SET A/SET B

11. Rizal's model for Pilosopong Tasyo was PACIANO RIZAL.
12. Rizal's pen name - DIMASALANG, LAONG-LAAN
13. Taga-ilog - JUAN LUNA's Pen name.
14. The first filipino alphabet was called ALIBATA/BAYBAYIN
15. the first filipino alphabet consisted of 15 LETTERS
16. He was known for his `Memoria Fotografica` - JOSE MA. PANGANIBAN
17. AMADO HERNANDEZ - He is known as the `poet of the workers or laborers`
18. Ilocano balagtasan is called BUKANEGAN
19. MARAGTAS - Visayan epic about good manners and right conduc
20. PASCUAL POBLETE - the father of Filipino newspaper
21. PANDEREGLA - first Filipino bread
22. The Great Plebian: Andres Bonifacio
1. WILHELM WUNDT-father of psychology
2. SIGMUND FREUD-father of psychoanalysis, and psychosexual theory/Father of Modern Psychology
3. JOHANN HEINRICH-father of education and pedagogy
4. IVAN PAVLOV-classical conditioning
5. BURRHUS F. SKINNER-operant conditioning.
6. DAVID AUSUBEL-meaningful learning
7. JEROME BRUNER-discovery learning, spiral curriculum
8. ALBERT BANDURA-social cognitive learning theory.
9. EDWARD LEE THORNDIKE-law of readiness and exercises
10. KURT LEVIN-life space content.
11. KOHLER-problem solving by insight, insightful learning
12. URIE BROFENBRENNER-ecological theory
13. SANDRA BEM-gender schema theory
14. HOWARD GARDNER-theory of multiple intelligence
15. ELLIOT TURRIEL-Social domain theory
16. LAWRENCE KOHLBERG-moral development theory
17. ROBERT STERNBERG-triathlon theory intelligence
18. ERIK ERIKSON-psychosocial development theory
19. MA. MONTESSORI-transfer of learning, kindergarten preparation of children.
20. EDWARD PAUL TORRANCE-creative problem solving
21. CHOMSKY-linguistic acquisition theory
22. JEAN PIAGET-cognitive learning theory
23. JOHN WATSON-behavioral theory
24. EDWARD TOLMAN-purpose behaviorism
25. BERNARD WEINER-attribution theory
26. DANIEL GOLEMAN-emotional intelligence.
27. TITCHENER- structuralism psychology
28. ROBERT GAGNE -the sequence of instruction
29. ABRAHAM MASLOW - hierarchy of needs, motivation theory
30. BENJAMIN BLOOM - bloom's cognitive taxonomy
31. DAVID KRATHWOHL - affective domain
32. LEV VYGOTSKY - socio-cultural theory of cognitive devt , linguistic theory, Scaffolding
33. JOHN LOCKE - tabularasa , empiricism
34. CHARLES COOLEY - looking glass self-theory
35. JOHN FLAVEL - metacognition

## GENERAL EDUCATION- SET A/SET B

36. ARNOLD GESELL - maturation theory
37. JOHN DEWEY - Learning by doing
38. DAVID FROEBEL - Father of kindergarten
39. AUGUSTE COMTE - Father of Sociology.
40. JOHN AMOS COMENIUS - Fr. of modern education.

### Elements of Morality

Conscience - judgement of the intellect on the goodness or evil of an performed or about to be performed

Certain Conscience - goodness or evil of a particular action you know the good & wrong action.

Doubtful Conscience - suspension of judgment on the moral goodness (Nagdadalawang isip ka!)

Scrupulous Conscience - tends to see sins when there are NONE

Lax Conscience - tends to minimize its seriousness

Perplexed Conscience - DONE is comforted

Pharisaical Conscience - it is holier than those view of oneself

Callous Conscience - theft, KILLER, rapist

beliefs study the same problem & arrive at different ideas

4. Symposium - more formal/ a public speaking program/ EXPENSIVE

5. Buzz Station - noisy inside classroom

6. Brain Storming - all ideas are given equal credence

7. Seminar - group of people meet to study & discuss meeting  
- formal/ 90mins or 3 hrs.

8. Workshop - sets expectations With the audience will be engaged & involved in training.

## BONUS BLESSINGS FOR LET 2021

1. Anong teorya ng wika ang nagmula sa iyak ng bata?

COO – COO

2. Main organ for respiration

LUNGS

3. Hunter shooting ducks

COMPETITION

4. Ant colony

ECOLOGICAL NICHE

5. Marine organism that causes Red Tide phenomenon

MOLLUSK

6. Amoeboid

PSEUDO FILAMENTS

7. Protein shell of virus

CAPSID

8. Perfume

ESTERS

9. Elements in citric acid

HYDROGEN AND NITROGEN

10. Discoverer of Penicillin

ALEXANDER FLEMING

# GENERAL EDUCATION- SET A/SET B

11. Heredity  
GREGOR MENDEL
12. Taxonomy  
CAROLUS LINNAEUS
13. Light travels fastest in  
AIR
14. Colloid  
MILK
15. Paper Clip  
SURFACE TENSION
16. Arctic Environment  
WALRUS
17. Cause of Global Warming  
GREENHOUSE GASES
18. Food making process of plants  
PHOTOSYNTHESIS
19. The molecule that allows plant to capture energy from sunlight  
CHLOROPHYLL
20. Protons of Silicons  
14
21. Feeding connections between all life forms  
FOOD WEB
22. Falls to earth poisoning fish and destroying vegetation  
ACID RAIN
23. Sala Theatre  
NATY CRAME ROGERS
24. Arena Theatre  
MONTANO
25. First President of the Third Republic  
MANUEL A. ROXAS
26. Hindi kailangan magbayad ng tax sa Pilipinas
  - a. Senior Citizen
  - b. Foreigner
  - C. Disabled Persons
27. Writ of Habeas Data  
INFORMATION PRIVACY
28. Writ of Habeas Corpus  
DEMAND PRESENCE OF THE ACCUSED
29. Tobacco Monopoly  
JOSE BLANCO
30. Leadership of people with talent  
MERITOCRACY
31. House of Representatives and Senate  
BICAMERALISM
32. Aboriginal settlers  
NEGRITOS
33. First editor of La Solidaridad

## GENERAL EDUCATION- SET A/SET B

- GRACIANO LOPEZ JAENA
34. Earliest writing in the Philippines  
ALIBATA
35. Who changed the date of Independence Day  
DIOSDADO MACAPAGAL
36. Taking away of life without due process  
SALVAGING
37. He coined the term "Frailocracia"  
MARCELO H. DEL PILAR
38. Spanish Mestizo Priest  
PEDRO PELAEZ
39. Agreement between Legaspi and Sikatuna  
BLOOD COMPACT
40. Birthplace of Rizal  
CALAMBA, LAGUNA
41. Father of Local Government  
AQUILINO PIMENTEL
42. Judiciary check on the executive  
DECLARING THE LAWS SIGNED BY PRESIDENT UNCONSTITUTIONAL
43. Tax paid by all adults  
COMMUNITY TAX
44. Oldest religion in Asia  
HINDUISM
45. Resettlement of Filipino to Cabecera  
Reduccion
46. Pianist  
CECILLE LICAD
47. Which of the following is an artistic tradition that seeks to revive past glory in various forms?  
CLASSICAL
48. Which is NOT a characteristic of people with a strong self-efficacy?  
AVOID CHALLENGING TASK
49. The ultimate objective of the comprehensive Agrarian Reform is:  
DISTRIBUTE ALL ARABLE LANDS TO THE LANDLESS
50. Constitutional safeguard that prevents one branch of government from becoming powerful or abusive  
CHECKS AND BALANCES
51. Predominant characteristic of eastern religion  
OPTIMISM
52. Modernisasyon ng wikang Filipino  
1987
53. Tila matino siya sa bayan, ngunit buwaya sa katihan  
TRAYDOR
54. Salitang ugat ng salitang sinukuan  
SUKO
55. Love Sonnets

# GENERAL EDUCATION- SET A/SET B

OPHELIA DIMALANTA

56. Impertinent  
IRRELEVANT
57. Candor  
FRANKNESS
58. Sound  
DECISION
59. Total ban  
ON THE USE
60. Rancor  
BITTER
61. Red little day  
IDIOM
62. Hispanic Filipino writer  
NICK JOAQUIN
63. He is the black sheep of the family  
METAPHOR
64. When helping in the kitchen, I am always careful not to hurt \_\_\_\_\_  
MYSELF
65. My sister and I met an acquaintance of \_\_\_\_\_ on the shopping malls  
OURS
66. We admire \_\_\_\_\_ when Cynthia speaks English fluently with \_\_\_\_\_  
HER, US
67. In a matriarchal family which family member plays the leading role?  
MOTHER
68. Prime factors of 273?  
 $3 \times 7 \times 13$
69. Prime factors of 91?  
 $7 \times 13$
70. Prime factors of 56?  
 $7 \times 2 \times 2 \times 2$
71. Proponent of the Confucian Philosophy
- Lao Tzu
  - Buddha
  - Sidharta Gautamma
  - Kung Fu Tzu
72. He was the great plebeian and the father of Katipunan  
ANDRES BONIFACIO

## GENERAL EDUCATION

- The box \_\_\_\_\_ in the corner was empty  
(a. is left      b. was left)
- Proponent of play proponent and presentation for the masses  
(a. Naty Rogers      b. Carmen Juan Nakpil)

## GENERAL EDUCATION- SET A/SET B

3. Aplomb – calmness
4. In what portion of Portia’s speech does she advise litigants that it is also important to forgive while seeking justice?  
(Mercy seasons justice)
5. Verbatim – word by word
6. The cost of the new house was too much for \_\_\_\_, besides we still ...  
(us)
7. Nelson Mandela achieved his goal through \_\_\_\_  
(unity) Note: wala po yung si non-violence, forgiving and democracy
8. Bread with butter \_\_\_\_ my favorite snack.  
(a. Is b. are)
9. What will be the amount paid for 2 ½ years if 8,000 is invested at 12% simple interest?  
(a.12,400 b.10,400)
10. What is the interest of 10,000 invested at 8% simple interest for 3 years?
11. What is the GCF of 6, 42, 18?  
(a. 3 b. 6 c. 18)
12. What is the GCF of 24, 45, 1?
13. Nina received an aquarium as a graduation gift from her mother. It has length, width, and height of 9 cm and 5 cm respectively. What is the volume of the aquarium?  
(a. 314 cm b.316 cm c.315 cm)
14. What is the shape of a brick?  
(Rectangular solid)
15. In geometry, what do you call the three or more points that lie in the same line?  
(a. Coplanar Points b. Collinear Lines)
16. The two legs of a right triangle are equal to the two legs of another right triangle respectively. What is true about the two triangles?  
a. Complementary b. Supplementary C. Congruent
17. What is the process in the first stage of decomposition in which the body turns rigid?  
(a. Rigor mortis b. alva mortis)
18. Philip has a hemophilia. This is an x-linked trait. What does this mean?
19. What do plants give off in the evening?  
(a. Carbon dioxide b. Nitrogen c. Oxygen)
20. Anong taon ipinatupad ang kautusan na kinakailangan na magkaroon ng anim na yunit ng Filipino sa kolehiyo?  
(a. 1978 b.1987)
21. Anong katangian ng mahusay na pananaliksik ang tumutukoy sa pagsusuri ng mga datos, talahanayan at pakikinayam upang magkaroon ng wastong interpretasyon?  
(a. lohikal b. obhektibong pananaw c. kritikal na pagsusuri)
22. Ano ang tawag kapag ang isang manunulat ay sumusunod sa pamatnubay?  
(a. kumbensyonal b. di-kumbensyunal)
23. Ano ang (pang-uri/panaguri) sa pangungusap na: Mayaman sa sustansya ang patatas  
(a. Mayaman b. patatas c. ang d. sustansya)

## GENERAL EDUCATION- SET A/SET B

24. Anong disenyo ng may katangian nagsisiyasat sa pamamagitan ng palatanungan, pakikipanayam?  
(a. Sarbey    b. Case Study    c. Feasibility Study    d. Etnograpiya)
25. What do you call the CPU, cable and keyboard collectively?  
(a. Software    b. Hardware)
26. What kind of Filipino trait is Bahala na?  
(a. Positive    b. Negative    c. Ambivalent)
27. Puppet – Carillo
28. What do people with masochistic attitude develop?  
(a. Inflict self-pain)

Nakasama mula sa CBRC:

1. I cannot find my calculator may I use yours Richard
2. Haiku – 17 syllables and three lines
3. Mother (make both ends meet) – limited
4. My head is bloody but unbowed – Hyperbole
5. Emulating
6. The cost of a new family house is quite expensive for \_\_\_\_\_, besides we have more urgent family needs. (us)
7. The student's request to reset the test \_\_\_\_ reasonable (is)
8. Impertinent – irrelevant
9. Profanity – Obscenity
10. Penchant – Fondness
11. \_\_\_\_\_ of the story – Moral
12. Politician who stole money should be ashamed of \_\_\_\_\_ – (themselves)
13. To be or not to be – Hamlet
14. Two ill-starred lovers – Romeo and Juliet
15. Pen name of Mark Twain – Samuel Clemens
16. Pen name of Mary Ann Evans – George Elliot
17. Central tendency for t-shirts – mode
18. What is the median of 10, 11, 12, 13, 15, 17, 19, 20 – 14
19. All right angles are – equal
20. Toyota and Kia – 50
21. Egg and Flour – 8
22. Prime factor of 120 –  $2 \times 2 \times 2 \times 3 \times 5$
23. Least Common Multiple of 12 and 60 - 120
24. Hypertonic – shrink
25. Metathesis
26. Pagsama ng F at V sa alpabetong Filipino – Modernisasyon
27. Aliw, bahay, ... - Diptonggo
28. pangatnig na ginagamit sa pagpili, pagbubukod at pagtatangi - Pamukod
29. Katumbas na bigkas ng titik na Q – Kyu

## GENERAL EDUCATION- SET A/SET B

30. Tatlong tuldok – Ellipsis
31. (Research) Literatura – Kabanata II
32. Bilang ng pantig – sukat
33. You are the apple of my eye – Ikaw ay mahalaga sa akin
34. Ito ay nag-uulat ng mga tunay na pangyayari batay sa pag-aaral, pananaliksik, o pakikipanayam. Ngunit, ang paraan ng pagsulat ay kawili-wili. – Lathalain
35. Kapapasok – Pangnagdaan
36. Dumaan ka na ditto, di ba? May karugtong
37. Heaviest gold – 40 kg
38. Toothpick – Surface Tension
39. Ecological Succession
40. Secondary Ecological Succession
41. Cytokinins and Auxins
42. Saprophytes
43. Iron is what type of magnetic material - Ferromagnetic
44. Safeguard to prevent one branch from getting too powerful – Checks and balances
45. Japanese sponsored Republic – Jose P. Laurel
46. Landmark structure – Castrillo
47. Famous composer from Angono – San Pedro
48. Writ of Amparo – life, liberty and security
49. Hers is a face that launched a thousand ship – Helen of Troy
50. Tax on properties – real estate tax
51. Veto power
52. Right to vote and be voted upon – Political Rights
53. Frailocracia
54. Expropriation right
55. General Welfare – Police Power
56. Information superhighway – internet
57. The search for related literature by accessing several literature by the use of telephone line to connect a computer library with other computers that have database
  - (a. Manual search
  - b. Online search)

1. Messages are easily transported anywhere in the world through the

- A. e-shopping C. e-register  
B. e-learning D. e-

mail Answer: D

The Email Message are used nowadays Instead of using a pen to write a letter on paper. Everyday transport letters and parcel, email servers transmit email messages. Speed Emails typically arrive within seconds or minutes — anywhere in the world,

2. Which among the following is NOT a prime number? a. 31 c. 51

- b. 41 d. 61

Answer: C

## GENERAL EDUCATION- SET A/SET B

51 is NOT a prime number because it has more than two factors. 51 is a composite number and can be factored by any of the following numbers: 1, 3, 17, 51.

3. What is the largest prime number less than 100? a. 91 c. 95  
b. 93 d. 97

Answer: D  
97 can be factored by 1 and 97

4. What is the least common multiple of 24 and 80? a. 360 c. 240  
b. 80 d. 480  
Answer: C

The **least common multiple** (LCM) of two numbers is the smallest number (not zero) that is a **multiple** of both.

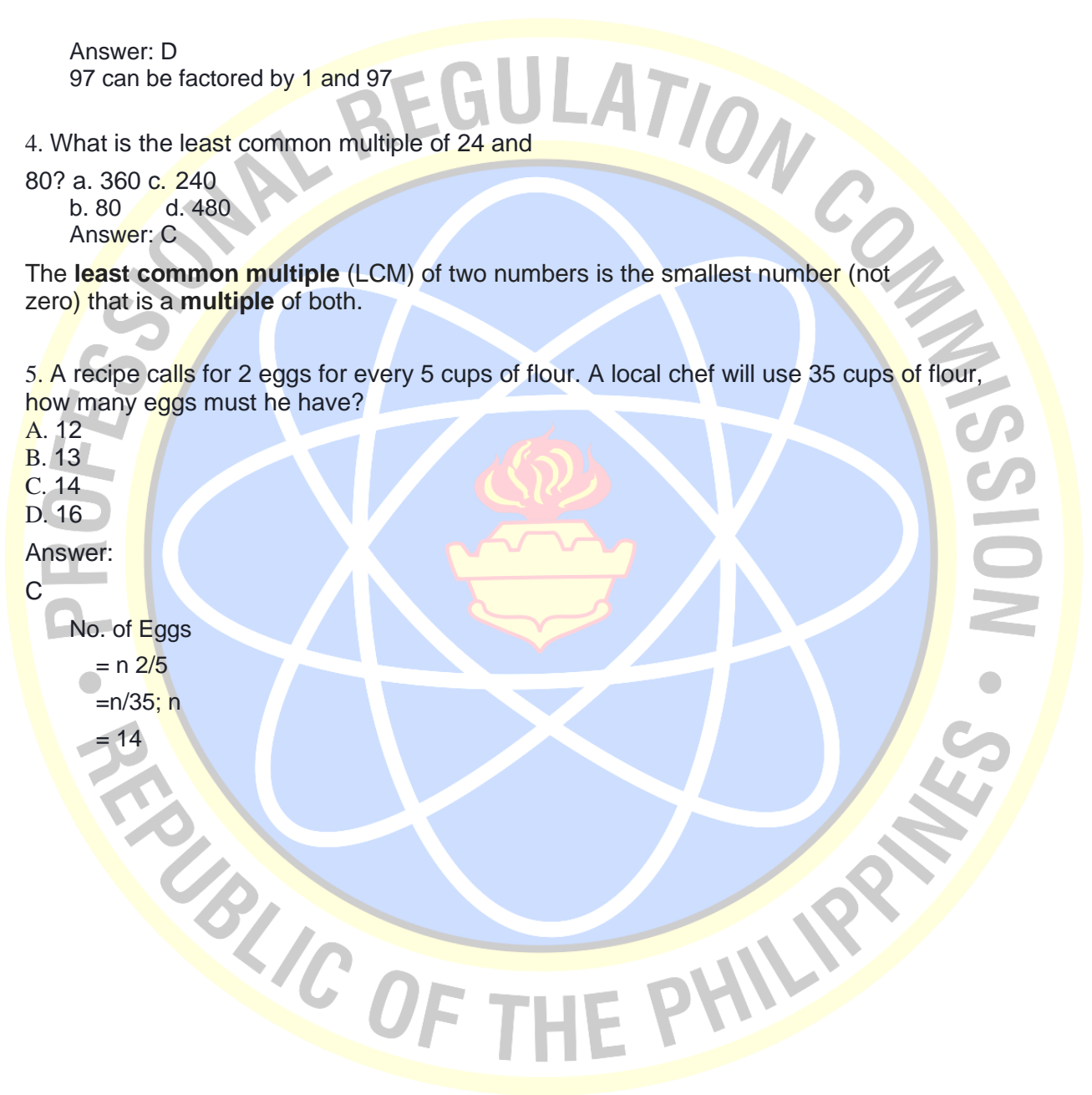
5. A recipe calls for 2 eggs for every 5 cups of flour. A local chef will use 35 cups of flour, how many eggs must he have?

- A. 12
- B. 13
- C. 14
- D. 16

Answer:

C

$$\begin{aligned} \text{No. of Eggs} &= n \cdot \frac{2}{5} \\ &= n/35; n \\ &= 14 \end{aligned}$$



## GENERAL EDUCATION- SET A/SET B

6. Five out of every seven households have cable TV. If 42,000 households in a certain city have a TV, how many do not have cable TV?

- A. 12,000
- B. 21,000
- C. 30,000
- D. 32,000

Answer: A.

% of people have TV =  $(5/7) \times 100 = 71.4\%$

% of people do not have TV =  $100 - 71.4 = 28.6\%$

People do not have TV =  $42,000 \times 28.6\% =$  approximately 12,000

7. Miss Santiago's class has 20 boys and 15 girls in her English class. What percent of the students are girls?

- A. 28%
- B. 43%
- C. 44%
- D. 50%

Answer: B

Total No. of boys and Girls =  $15 + 20 = 35$

% of girls =  $(15/35) \times 100 = 43\%$

8. Jerome answered 80% of the 50 items correctly in a math test. How many items did he answer correctly?

- A. 40
- B. 44
- C. 45
- D. 50

Answer:

A

$(50 \times 0.80) = 40$

9. Ms. Tolenada weighed 60 kg. She lost 4 kg on her first week of exercise, gained 2 kg on her second week, lost 6 kg on the third week and remained her weight during fourth week. What was her weight on the 4th week?

- A. 52 kg
- B. 58 kg
- C. 68 kg
- D. 72 kg

Answer:

A

Wt. of Ms. Tolenada =  $60 - 4 + 2 - 6 = 52$  Kg

10. In a bundle of new 100 bills, the bills are consecutively numbered RTC3432260 to RTC3432280. How much is the total amount of bills?

- A. 2100 C. 3400
- B. 2200 D. 3500

Answer: A

No. of bills =  $21 \times 100 = 2100$

## GENERAL EDUCATION- SET A/SET B

11. The sum of three consecutive integers is 96. What are the integers? A. 31, 32, 33 C. 30, 32, 34  
B. 32, 33, 34 D. 33, 34, 35

Answer: A

12. The first 5 numbers in a sequence are 2, 3, 5, 8, and 12. What is the 7th number in the sequence? A. 15 C. 23  
B. 19 D. 25

Answer: C

6<sup>th</sup> number:  $12 + 5 = 17$

7<sup>th</sup> number:  $17 + 6 = 23$

13. A teacher wants to group her pupils into groups of 3 or 5 or 6. However, she found out that if she do that there will always be 1 pupil left. What is the least possible number of pupils in the class?

A. 81 C. 21

B. 31 D. 11

Answer: B

By group of 3:  $3 \times 10 = 30 + 1$  pupil left = 31

By group of 5:  $5 \times 6 = 30 + 1$  pupil left = 31

By group of 6:  $6 \times 5 = 30 + 1$  pupil left = 31

14. What are the largest two consecutive odd integers whose sum is at most 60? A. 27, 33 C. 29, 31  
B. 28, 32 D. 26, 34

Answer: C

15. Two numbers are in ratio of 3:4. If their sum is 84, what is the smaller number? A. 24 C. 48  
B. 36 D. 54

Answer

: B

$3n +$

$4n =$

84

$7n = 84$

$n = 12$

smaller number =  $3(12) = 36$

16. Max is planning to take leisurely stroll around their rectangular patio, which measures 27.7 m long and 21.5 m wide. How far does Max have to walk?

A. 96.4 m C. 98.4 m

B. 120.4 m D. 88.4 m

Answer = C

$P = (2 \times 27.7 \text{ m}) + (2 \times 21.5 \text{ m}) = 98.4 \text{ m}$

## GENERAL EDUCATION- SET A/SET B

17. After a stone is dropped into a cylindrical container filled with 100 cm<sup>3</sup> water, the water rises and the new reading is 106.5 cm<sup>3</sup>. What is the volume of the stone?

- A. 6.5 cm<sup>3</sup> C. 60.5 cm<sup>3</sup>
- B. 60.65 cm<sup>3</sup>

D. 10.65

cm<sup>3</sup> Answer: A

Displacement Method: Volume = 106.5 cm<sup>3</sup> - 100 cm<sup>3</sup> = 6.5 cm<sup>3</sup>

18. What was the proclamation or decree of President Marcos that provided for the declaration of martial law in the Philippines in 1972?

- A. Proclamation 1081
- B. PD 27
- C. PD 1080
- D. Proclamation

1020 Answer: A

Marcos administration. At 7:17 pm on September 23, 1972, President Ferdinand Marcos announced that he had placed the entirety of the Philippines under martial law, through Presidential Proclamation No 1081, which was dated September 21, 1972.

19. The commemoration of the declaration of martial law was based on the date that was written on the Marcos declaration declaring martial law in the Philippines and not on the date Marcos officially announced in public the placing of the Philippines under martial law. What was the exact date written on the proclamation?

- A. September 21, 1972
- B. September 22, 1972
- C. September 23, 1972
- D. August 21,

1972 Answer: A

Marcos administration. At 7:17 pm on September 23, 1972, President Ferdinand Marcos announced that he had placed the entirety of the Philippines under martial law, through Presidential Proclamation No 1081, which was dated September 21, 1972.

20. Who was the first president of the 1971 constitutional convention that drafted the 1973 constitution popularly known as the Marcos Constitution.

- A. Carlos Garcia
- B. Diosdado Macapagal
- C. Benigno Aquino Jr.
- D. Imelda

Marcos Answer:

A

Former Philippine President Carlos P. Garcia was sworn in as the President of the Constitutional Convention on the day the convention

21. After the death of President Garcia, who replaced him as President of the 1971 Constitutional Convention?

- A. Benigno Aquino Jr.
- B. Diosdado Macapagal
- C. Jose Diokno
- D. Jovito

Salonga

**GENERAL EDUCATION- SET A/SET B**

Answer: B



## GENERAL EDUCATION- SET A/SET B

Former President Diosdado Macapagal replaced Garcia.

22. In what province can the tamaraw be found?

- A. Bohol
- B. Palawan
- C. Mindoro
- D. Cagaya

n Answer:

C

The tamaraw or Mindoro dwarf buffalo (*Bubalus mindorensis*) is a small hoofed mammal belonging to the family Bovidae.

23. Where in the Philippines can the mouse deer be found?

- A. Bohol
- B. Mindoro
- C. Davao
- D. Palawa

n Answer:

D

The Philippine mouse-deer (*Tragulus nigricans*), also known as the Balabac chevrotain or pilandok (in Filipino), is a small, nocturnal ruminant, which is endemic to Balabac and nearby smaller islands (Bugsuk and Ramos) southwest of Palawan in the Philippines.

24. Who was known as the father of Local Government Code?

- A. Joey Lina
- B. Jovito Salonga
- C. Aquilino Pimentel
- D. .Joseph

Estrada Answer:

C

Former Senate President Aquilino "Nene" Pimentel, Jr. He was a Filipino statesman popularly known as "Father of the Local Government Code" and stalwart advocate for Federalism.

25. Where was the earliest known and scientifically established abode of man in the Philippines located?

- A. Tabon Cave in Palawan
- B. Callao Cave in Cagayan
- C. Manunggul Cave in Palawan
- D. Homonhon in

Leyte Answer: B.

The earliest found human remains in the Philippines is that of a metatarsal of Callao Man, which was dates to be around 67 thousand years old using uranium series ablation.

26. The pre-Hispanic priests or priestess were called babaylan in the Visayas but in the Tagalog regions they were called\_\_.

- A. Diwata
- B. Arbularyo
- C. Katalonans
- D. Umalohoka

n Answer: C

## GENERAL EDUCATION- SET A/SET B

27. The pre-colonial mourning of the dead chief was called\_.

A. Morotal



## GENERAL EDUCATION- SET A/SET B

- B. Laraw
- C. Maglahi
- D. Balata

Answer:

B

28. What was the nationality of Ferdinand Magellan?

- A. Portuguese
- B. Spaniard
- C. Italian
- D. Dutch

Answer:

A

29. Who was the commander of the ship Victoria that led the 17 other remaining Spaniards under Magellan's expedition to complete the first circumnavigation of the world?

- A. Antonio Pigafetta
- B. Sebastian Elcano
- C. Andres de Urdaneta
- D. Pedro

Chirino

Answer: B

the Victoria, continued west under the command of Juan Sebastian de Elcano.

30. Where is the island of Moluccas, the Spice island located today?

- A. India
- B. Malaysia
- C. Indonesia
- D. Papua New

Guinea Answer: C

The **Maluku Islands** or the **Moluccas** are an archipelago in eastern Indonesia.

31. Who was the sole representative of the Spanish Crown in the Philippines during the Spanish colonial Period?

- A. Governor-general
- B. Viceroy of Mexico
- C. Archbishop of Manila
- D. Alcalde

Mayor Answer:

A

32. How were the workers serving under the forced labor during Spanish regime called?

- A. Polista
- B. Reservas
- C. Trabajadores
- D. Indios

Bravos

## GENERAL EDUCATION- SET A/SET B

Answer: A

It was in various forms, such as building roads and bridges, constructing public buildings and churches, cutting timber in the forest, working in shipyards, and serving the Spanish military expeditions. One who rendered forced labor was called a polista.



## GENERAL EDUCATION- SET A/SET B

33. How many galleon ships usually arrived in the Philippines within one year?

- A. One
- B. Two
- C. Five
- D. Ten

Answer:

A

Manila galleon, Spanish sailing vessel that made an annual round trip (one vessel per year) across the Pacific between Manila, in the Philippines, and Acapulco, in present Mexico, during the period 1565– 1815.

34. Who was the Spanish governor-general in the Philippines when the Gomburza execution took place?

- A. Valeriano Weyler
- B. Rafael Izquierdo
- C. Fermin Jaudanes
- D. Camilo

Polavieja Answer:

B.

The Execution of Gomburza

It was believed by Governor Rafael Izquierdo that the Filipinos will create its own government and allegedly, the three priests were nominated as the leader of the planned government in order to break free of the Spanish government.

35. Why does the level of water in a beaker rise after a stone is placed in it?

- A. The stone takes the place occupied by water.
- B. The stone has more mass than the water.
- C. The water weighs less than the stone.
- D. The stone and the water occupy the same

space. Answer: A

Volume displacement

An object that sinks displaces an amount of fluid equal to the object's volume.

36. Which of the following statements is TRUE about parasites and their relationships with their hosts?

- A. The parasite and the host enjoy a natural relationship, where both organisms benefit.
- B. The parasite enjoys the benefits of a relationship in which the host is harmed or killed.
- C. The host enjoys the benefits of a relationship in which the parasite is harmed or killed.
- D. Neither the parasite nor host is really harmed in their symbiotic

relationship. Answer: B

In evolutionary ecology, parasitism is a symbiotic relationship between species, where one organism, the parasite, lives on or in another organism, the host, causing it some harm, and is adapted structurally to this way of life.

37. Which type of digestion occurs in the mouth when an individual chews a piece of bread?

- A. Mechanical digestion only
- B. Chemical digestion only

# GENERAL EDUCATION- SET A/SET B

- C. Both mechanical and chemical digestion
- D. Neither mechanical and chemical

digestion Answer: C

Mechanical digestion involves physically breaking the food into smaller pieces. Mechanical digestion begins in the mouth as the food is chewed. Chemical digestion involves breaking down the food into simpler nutrients that can be used by the cells. Chemical digestion begins in the mouth when food mixes with saliva.

---

1. The "father of social justice." a. Claro M. Recto

- b. Sergio Osmeña
- c. Manuel L. Quezon
- d. Jose P. Laurel

Answer: c. Manuel L. Quezon

Rationalization: Manuel Luis Quezon y Molina was a Filipino statesman, soldier and politician who served as president of the Commonwealth of the Philippines from 1935 to 1944.

Quezon was a leader who felt for his people and sensed what they needed: one might say he thought for them, too, and acted as he felt necessary. He thought that social justice was the alternative to revolution.

2. Section 6, Article XIV states that the national language of the Philippines \_\_\_\_\_.

- a. English
- b. Filipino
- c. Tagalog
- d. Cebuano

Answer: b. Filipino

Rationalization: FILIPINO, the national language of the Philippines was finally settled in the 1987 Constitution. Article XIV section 6 states that "the National language of the Philippines is Filipino. As it evolves, it shall be further developed and enriched on the basis of existing Philippine and other languages.

3. SECTION 3, Article XIV states that "ALL educational institutions shall include the study of \_\_\_ as part of curriculum."

- a. History
- b. Science & Technology
- c. Sport
- d. Constitutions

Answer: d. Constitutions

Rationalization: Article XIV, Section 3, Paragraph 1 of the Constitution of the Republic of the Philippines states that: All educational institutions shall include the study of the Constitution as part of the curricula.

4. President Ramos' Medium Term Philippine Development Plan (MTPDP).

- a. AngatPinoy 2004
- b. SONA 2001
- c. Philippines 2000
- d. Sustainable

Development Answer: C

Rationalization: Ramos embarked on an ambitious development plan dubbed "Philippines 2000".

5. The old name of EDSA during the World War II

# GENERAL EDUCATION- SET A/SET B

- a.19 de Junio
- b.High way 54
- c.Highway 53



# GENERAL EDUCATION- SET A/SET B

d. Highway 52

Answer: b. Highway 54

Rationalization: In the '50s, EDSA was renamed Highway 54.

6. The old name of EDSA during early part of American occupation

a. 19 de

Junio

b. Highway

54

c. Highway 53

d. Highway

52

Answer:

a.

Rationalization: In 1946, it was named Avenida 19 de Junio for Jose Rizal's birthdate.

7. Which order of the presidents correctly applies to Philippine History?

I. Magsaysay

II. Garcia

III. Quirino

IV. Roxas

a. IV-III-I-II c. I-II-III-IV

b. II-I-III-IV d. IV-III-II-I

Answer: a. IV-III-I-II

Rationalization:

1898-1901) President: Emilio F. Aguinaldo

(1897?) Vice-President: Mariano C. Trias (elected VP during the Tejeros assembly)

COMMONWEALTH PERIOD (American Period)

Manuel L. Quezon

(1935-1944) President Manuel L. Quezon (Died in exile in

the U.S.) (1936-1944) Vice-President: Sergio S. Osmeña,

Sr.

Sergio Osmeña, Sr.

(1944-1946) President: Sergio S. Osmeña, Sr. (Assumed the presidency upon the death of Quezon while the Philippine Commonwealth government is in exile in the U.S.)

SECOND REPUBLIC (Japanese Occupation)

Jose P. Laurel

(1943-1945) President: Jose P. Laurel

(1943-1945) Vice-Presidents: Benigno Aquino, Sr. and Ramon

Avancena THIRD REPUBLIC

Manuel A. Roxas

(1946-1948) President: Manuel L. Roxas (Died of a heart

attack) (1946-1948) Vice-President: Elpidio R. Quirino

Elpidio R. Quirino

(1948-1953) President: Elpidio R. Quirino (Assumed the remaining term & re-

elected) (1949-1953) Vice-President: Fernando H. Lopez

Ramon Magsaysay, Jr.

(1953-1957) President: Ramon F. Magsaysay

(Magsaysay died in an airplane crash on March 16, 1957 on Mt. Manunggal

in Cebu) (1953-1957) Vice-President: Carlos P. Garcia

## GENERAL EDUCATION- SET A/SET B

Carlos P. Garcia

(1957-1961) President: Carlos P. Garcia (Assumed the remaining term and re-elected) (1957-1961) Vice-President: Diosdado P. Macapagal

Diosdado Macapagal

(1961-1965) President: Diosdado P.

Macapagal (1961-1965) Vice-President:

Emmanuel N. Pelaez Ferdinand Marcos

(1965-1972) President: Ferdinand E. Marcos (the first to win 2

presidential terms) (1965-1972) Vice-President: Fernando H. Lopez

FOURTH REPUBLIC (Martial Law, "The New Republic" & Parliamentary Government)

Ferdinand Marcos

(1972-1986) President: Ferdinand E. Marcos (unseated by the People Power

Revolution) (Marcos died in exile in Hawaii on September 28, 1989 of Lupus complications)

(1981-1986) Prime Minister Cesar E. A. Virata

(1986) Vice-President: Arturo M. Tolentino (proclaimed but did not serve due to the revolt) FIFTH REPUBLIC (Under the new "People Power" Constitution)

President Corazon Cojuangco-Aquino

(1986-1992) President: Corazon Cojuangco-

Aquino (1986-1992) Vice-President:

Salvador H. Laurel Pres. Fidel Valdez

Ramos

(1992-1998) President Fidel V. Ramos

(1992-1998) Vice-President: Joseph Ejercito

Estrada Joseph Ejercito Estrada

(1998-2001) President: Joseph Ejercito Estrada (Deposed by

"People Power") (1998-2001) Vice-President: Gloria Macapagal-Arroyo

Gloria Macapagal-Arroyo

(2001-2010) President: Gloria Macapagal-Arroyo (Assumed Estrada's remaining term & re-elected) (2001-2004) Vice-President: Teofisto T. Guingona (1st term of Arroyo)

(2004-2010) Vice-President: Manuel "Noli" Leuterio de Castro (2nd term of Arroyo)

Benigno Simeon Cojuangco Aquino III, a.k.a. Noynoy Aquino

(2010-2016) President: Benigno Simeon "Noynoy" Cojuangco

Aquino III (2010-2016) Vice-President: Jejomar "Jojo"

Cabauatan Binay

President Rodrigo Roa Duterte

(2016-Present) President: Rodrigo "Rody" Roa Duterte a.k.a. Digong

(2016-Present) Vice-President: Maria Leonor "Leni" Santo Tomas Gerona-Robredo

8. The SONA of the President is being delivered every \_\_\_\_ Monday of July

- a. First
- b. Second
- c. Third

# GENERAL EDUCATION- SET A/SET B

d. Fourth

Answer: d.

Fourth

Rationalization: Mandated by the 1987 Constitution, the speech is delivered every fourth Monday of July at the Plenary Session Hall of the Batasang Pambansa Complex in Batasan Hills, Quezon City, Metro Manila.

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1. Which of the following statements describes the process of metabolism?

- A. It is a process by which an organism produces and uses energy
  - B. It is a process by which fluid moves through a membrane
  - C. It is a process by which a cell duplicates itself
  - D. It is a process by which a cell defends the organism from outside attackers.
- Answer: A

Rationalization: Metabolism is the process by which your body converts what you eat and drink into energy.

2. What produces the tremendous energy of the sun?

- A. Nuclear disintegration
  - B. Nuclear fission
  - C. Nuclear fusion
  - D. Nuclear decomposition
- Answer:

C

Rationalization: Nuclear fusion - deep inside the core of the Sun, enough protons can collide into each other with enough speed that they stick together to form a helium nucleus and generate a tremendous amount of energy at the same time.

3. A mango tree is planted beside a Sampaguita plant in a garden. They demonstrate the following relationship:

- A. Commensalism
- B. Mutualism
- C. Competition
- D. Predation

Answer:

C

Rationalization: Plants that are close to each other may compete for nutrients, water, sunlight, and territory necessary for survival. Some plants go mainly on the offense, trying to get as much as they can

4. What type of asexual reproduction occurs when a new organism develops from an outgrowth as exemplified by corals?

- A. Fission
- B. Sexual reproduction

# GENERAL EDUCATION- SET A/SET B

C. Fertilization



## GENERAL EDUCATION- SET A/SET B

D. Buddin

g Answer:

D

Rationalization: Budding is a type of asexual reproduction in which a new organism develops from an outgrowth or bud due to cell division at one particular site.

5. Kingdom plantae includes which organisms?

A. Protozoa

B. Magnoliidae

C. Fungi

D. Prokaryote

s Answer: B.

Rationalization: Plants are living organisms belonging to the kingdom Plantae. They include familiar organisms such as trees, herbs, bushes, grasses, vines, ferns, mosses, and green algae.

Magnoliids (or Magnoliidae or Magnoliana) are a group of flowering plants.

---

1. Which Kingdom should streptococcus be classified?

A. Monera

B. Plantae

C. Fungi

D. Protista

Answer:

A.

Rationalization: The Monera Kingdom consists of all bacteria. Streptococcus pyogenes are classified in the bacteria kingdom because they agree with the conditions of bacteria.

2. Which organism is an example of a fungus?

A. Algae

B. Yeast

C. Euglenoids

D. Entamoeb

a Answer: B.

Rationalization: Yeast are single-celled microorganisms that are classified, along with molds and mushrooms, as members of the Kingdom Fungi.

3. Which of the following is an example of a useful function for bacteria?

A. Can clean up an oil spill by digesting hydrocarbons

B. May be used as vectors to introduce proteins

C. Can synthesize new forms of heavy metals

D. May be pathogenic and cause human

disease. Answer: A.

# GENERAL EDUCATION- SET A/SET B

Rationalization: *Alcanivorax borkumensis*, or *A. borkumensis* for short. This rod-shaped microbe lives in all of the world's oceans with a special preference for oil-polluted areas, as it uses hydrocarbon molecules for food.

4. Which protist can cause dysentery?

- A. *Gorilla beringel*
- B. *Plasmodium Vivax*
- C. *Streptococcus*
- D. *Entamoeba*

Answer: C.

Rationalization: The cause of dysentery is usually the bacteria *Shigella*, in which case it is known as shigellosis, or the amoeba *Entamoeba histolytica*.

5. Which organism is classified under Kingdom Fungi?

- A. Red Algae
- B. Microsporidia
- C. Diatoms
- D. *Streptococcus*

Answer: B.

Rationalization: Microsporidia are a group of spore-forming unicellular parasites. They were once considered protozoans or protists, but are now known to be fungi.

6. Humans reproduce when an ovum is combined with a sperm leading to the development of an embryo. This form of reproduction is called\_\_\_\_\_.

- A. Asexual Reproduction
- B. Fertilization
- C. Budding
- D. Binary Fission

Answer:

B.

Rationalization: The process of fertilization involves a sperm fusing with an ovum.

7. The waste product of photosynthesis is\_\_\_\_\_.

- A. Carbon monoxide
- B. Nitrogen
- C. Carbon dioxide
- D. Oxygen

Answer:

D.

Rationalization: Oxygen is released by plants after photosynthesis as a waste because plants require carbon dioxide, water, and sunlight to synthesize glucose.

8. A hypothetical ecosystem contains lettuce (the producer), a caterpillar (the primary consumer), a small passerine bird (the secondary consumer) and a lion (the tertiary consumer). A gardener arrives and sprays pesticide, killing all the caterpillars. What can happen to the ecosystem?

- A. The passerine birds will thrive.

# GENERAL EDUCATION- SET A/SET B

B. The lions will eventually die.



## GENERAL EDUCATION- SET A/SET B

C. The passerine birds will convert to herbivores

D. The lettuce will wilt and

die. Answer: A.

Rationalization: Dead caterpillars are eaten by passerine birds

9. What is the molecule that allows plants to capture energy from sunlight?

A. Oxygen

B. Carbohydrates

C. ATP

D. Chlorophyll

Answer: D

Rationalization: Plants capture sunlight using a compound called chlorophyll. Chlorophyll is green, which is why so many plants appear green.

10. A human arm, a bat's wing and a seal's flipper are examples of \_\_\_\_\_.

A. Analogous organs

B. Homologous organs

C. Embryonic organs

D. Vestigial organs

Answer: A.

Rationalization: Analogous organs are the opposite of homologous organs, which have similar functions but different origins. An example of an analogous trait would be the wings of insects, bats and birds that evolved independently in each lineage separately after diverging from an ancestor without wings.

11. An important endocrine gland that is shaped like a bowtie and located in the neck is called\_?

A. Pituitary gland

B. Parathyroid gland

C. Embryonic organs

D. Vestigial

organs Answer:

A

Rationalization: The parathyroid glands are small pea-sized glands located in the neck just behind the butterfly-shaped thyroid gland.

12. Which of the following is an organism that feeds on necrotic and decaying matter?

A. Vulture

B. Parakeet

C. Algae

D. Yeast

Answer:

D

Rationalization: Yeast is a form of fungi. Fungi are organisms that are neither plants nor

## GENERAL EDUCATION- SET A/SET B

animals. They feed on dead and decaying matter to get their energy.



## GENERAL EDUCATION- SET A/SET B

13. The asexual reproduction which occurs when a new organisms develops from an outgrowth is called \_\_\_\_\_.

- A. Fission
- B. Fertilization
- C. Budding
- D. Graftin

g Answer:

C

Rationalization: Budding is a type of asexual reproduction in which a new organism develops from an outgrowth or bud due to cell division at one particular site.

14. Predation is a relationship exemplified by\_\_\_\_\_.

- A. An orchid attached to the trunk of a Narra tree.
- B. A hunter is shooting a duck in the forest and having it for dinner.
- C. A tapeworm living in the gastrointestinal tract of a toddler.
- D. A clownfish living with a sea anemone.

Answer: B

Rationalization: Predation is a biological interaction where one organism, the predator, kills and eats another organism, its prey.

15. The molecules that contain an organism's genetic make-up is called\_\_\_\_\_.

- A. DNA
- B. Nucleolus
- C. Cytosol
- D. Genetic membrane

Answer:

A

Rationalization: Deoxyribonucleic acid (DNA) is a nucleic acid containing the genetic instructions used in the development and functioning of all known living organisms. The DNA segments carrying this genetic information are called genes

16. What is the process used by plants to convert the energy from sunlight into chemical energy?

- A. Photosynthesis
- B. Diffusion
- C. Photochemical conversion
- D. Cytolysi

s Answer:

A

Rationalization: Photosynthesis is a process used by plants and other organisms to convert light energy into chemical energy that can later be released to fuel the organisms' activities.

17. What are thin structures essential for cytokinesis, amoeboid movement and changes in cell shape?

## GENERAL EDUCATION- SET A/SET B

- A. Nanofilaments
- B. Myosin filaments
- C. Microfilaments



## GENERAL EDUCATION- SET A/SET B

D. Pseudofilamen

ts Answer: C

Rationalization: Microfilament functions include cytokinesis, amoeboid movement, cell motility, changes in cell shape, endocytosis and exocytosis, cell contractility, and mechanical stability.

18. What are the small hair-like structures that serve a sensory function in eukaryotic cells?

A. Plasma membrane

B. Centomere

C. Actin filaments

D. Cilla

Answer:

D.

Rationalization: Cilia are tiny hair like structures on the surface of the cell.

19. Who was the father of modern taxonomy and responsible for coining the term Homo sapiens for human?

A. Chatton

B. Aristotle

C. H. Copland

D. Linnaeu

s Answer:

D.

Rationalization: The name Homo sapiens was applied in 1758 by the father of modern biological classification (see taxonomy), Carolus Linnaeus.

20. What is a possible consequence of eutrophication?

A. Water that is colorless and odor-free

B. Significantly diminished sea harvest by fishermen

C. Decreased toxicity of bodies of water

D. Less turbidity of

water Answer: B

Rationalization: Eutrophication can have serious effects, like algal blooms that block light from getting into the water and harm the plants and animals that need it. If there's enough overgrowth of algae, it can prevent oxygen from getting into the water, making it hypoxic and creating a dead zone where no organisms can survive.

21. What is the maximum number of electrons that can occupy f orbital?

A. 6

B. 10

C. 18

D. 14

Answer:

D

Rationalization: The f sublevel as a whole can hold up to 14 electrons due to the fact that it consists of 7 orbitals, but each one can only hold up to 2 electrons.

## GENERAL EDUCATION- SET A/SET B

22. Which of the following statements is TRUE about a textbook laid on the table?



## GENERAL EDUCATION- SET A/SET B

- A. The textbook undergoes deceleration.
- B. The textbook undergoes acceleration.
- C. No force acting
- D. The sum of the forces acting is

zero. Answer: D

Rationalization: The net force is the vector sum of all the forces acting on an object. When an object is in equilibrium (either at rest or moving with constant velocity), the net force acting on it zero.

23. A population of rabbits live in a stable habitat, with no changes in the environment for a long time. How will genetic drift possibly affect this population?

- A. It may decrease genetic variation.
- B. It will promote the dominance of the rabbits with superior traits.
- C. It will decrease the population of the rabbits.
- D. It will stimulate the appearance of new

traits. Answer: A

Rationalization: A population bottleneck arises when a significant number of individuals in a population die or are otherwise prevented from breeding, resulting in a drastic decrease in the size of the population. Genetic drift can result in the loss of rare alleles, and can decrease the size of the gene pool.

24. Element X has an electron configuration of  $1s^2, 2s^2, 2p^2$ . Based on information, element X belongs to a/an \_\_\_ family.

- A. Alkali metal
- B. Inert gas
- C. Halogen
- D. Carbon

n

Answer:

D

Rationalization: Carbon electron configuration =  $1s^2, 2s^2, 2p^2$

It has an atomic number of 6 which sums up the number of electrons given in its electronic configuration. Number of electrons is equal to the number of protons or atomic number.

25. Besides solid, liquid, and gas, what is the fourth form of matter?

- A. Gel
- B. Colloid
- C. Plasma
- D. Foam

Answer:

C

Rationalization: Example of plasma is the universe. The plasma state is the most abundant state of matter. It is thought that more than 99.9% of matter in the universe is in plasma

## GENERAL EDUCATION- SET A/SET B

26. Which of the following is the lowest rank of coal and is otherwise called brown coal?

A. Charcoal



## GENERAL EDUCATION- SET A/SET B

- B. Lignite
- C. Anthracite
- D. Bituminous

Answer: B

Rationalization: Lignite, often referred to as brown coal, is a soft, brown, combustible, sedimentary rock formed from naturally compressed peat. It is considered the lowest rank of coal due to its relatively low heat content.

27. The feeding connections between all life forms are referred to as \_\_\_.

- A. Nutrition cycles
- B. Food web
- C. Biochemical Pathways
- D. Fossil cycle

Answer: A.

Rationalization: A nutrient cycle refers to the movement and exchange of organic and inorganic matter back into the production of living matter.

28. What diagnosis test allows microorganisms to multiply in a medium under controlled laboratory condition in order to determine the cause of an infectious disease?

- A. Microbial culture
- B. Chest X-ray
- C. Biochemical Pathways
- D. Urinalysis

Answer:

A.

Rationalization: A microbiological culture, or microbial culture, is a method of multiplying microbial organisms by letting them reproduce in predetermined culture medium under controlled laboratory conditions.

29. If carbohydrates are hydrophilic-organic compounds, lipids are \_\_\_ organic compounds.

- A. Biomolecules
- B. Hydrophobic
- C. Polypeptide
- D. Simple

Answer:

B

Rationalization: Lipids are a large and diverse class of biological molecules marked by their being hydrophobic, or unable to dissolve in water.

30. This is true of recessive genes.

- A. Will only have phenotypic expression if presents as homozygous genotype.
- B. Should be paired with a dominant gene for it to be expressed.
- C. Will prevent a dominant gene from expressing its phenotype.
- D. Have more superior phenotypic

# GENERAL EDUCATION- SET A/SET B

traits. Answer: A



## GENERAL EDUCATION- SET A/SET B

Rationalization: Recessive alleles only express their phenotype if an organism carries two identical copies of the recessive allele, meaning it is homozygous for the recessive allele.

31. The bond in sodium fluoride is which of the following types of chemical bond.

- A. Metallic bond
- B. Ionic bond
- C. Covalent bond
- D. Non polar

bond Answer: B

Rationalization: Ionic bond - valence electron(s) is/are completely transferred between atoms, a metal (Sodium cation) and nonmetal (Fluoride anion).

It is a type of chemical bond that generates two oppositely charged ions. In ionic bonds, the metal loses electrons to become a positively charged cation, whereas the nonmetal accepts those electrons to become a negatively charged anion

32. You won the jackpot prize in the lottery. The prize money cannot be paid in currency but only in gold. Applying your knowledge in chemistry, select the largest amount of gold from the choices below (Au=197).

- A. 297 g of gold
- B. 40 kg of gold
- C. Avogadro's number of an atom of gold
- D. 22.4 moles of

gold Answer:

B

Rationalization: To identify the largest amount of gold, the number of atoms of gold must be calculated. Using the Avogadro's number (number of particular atoms per mole)

40 kg =  $1.22 \times 10^{26}$

Calculation: No. of Au atoms =  $(40 \text{ kg} \times 1000/\text{kg}) (1 \text{ mol}/197\text{g}) \times 6.02 \times 10^{23} \text{ atoms/mol} = 1.22 \times 10^{26}$  You can calculate other given using the formula above. It will result lesser number of Au atoms.

33. The Brundtland Commission defines it as: development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

- A. Ecological development
- B. Environmental development
- C. Sustainable development
- D. Uncompromising

development Answer: C

Rationalization: Sustainable development has been defined in many ways, but the most frequently quoted definition is from Our Common Future, also known as the Brundtland Report: "Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

34. Which 2 chemical factors cause decomposition.

- A. Putrefaction development
- B. Death and cellular respiration

## GENERAL EDUCATION- SET A/SET B

C. Autolysis and Photosynthesis

D. Autolysis and

Putrefaction Answer: D

Rationalization: Decomposition begins at the moment of death, caused by two factors: 1.) autolysis, the breaking down of tissues by the body's own internal chemicals and enzymes, and 2.) putrefaction, the breakdown of tissues by bacteria.

35. An atom silicon has a mass number of 28 and an atomic number of 14. How many neutrons are in this atom?

A. 14

B. 12

C. 28

D. 7

Answer:

A

Rationalization: If you want to calculate how many neutrons an atom has, you can simply subtract the number of protons, or atomic number, from the mass number.

36. Bats are able to navigate in the dark without bumping into anything because they\_\_.

A. are able to fluoresce in the dark

B. have supersonic eyesight

C. emit sound waves

D. can disappear in the

dark Answer: C

Rationalization: Echolocation is the use of sound waves and echoes to determine where objects are in space. Bats use echolocation to navigate and find food in the dark. To echolocate, bats send out sound waves from the mouth or nose. When the sound waves hit an object they produce echoes

37. The protein shell of a virus is called\_\_.

A. Nucleolus

B. Nucleic Acid

C. Nucleus

D. Capsid

Answer:

D

Rationalization: A capsid is the protein shell of a virus, enclosing genetic material.

38. Alcohol is a class of organic compound characterized by\_\_.

A. A halogen attached to an alkyl group

B. A carbonyl group bounded to two carbon atoms

C. A hydroxyl bonded to an alkyl group

D. A carbonyl attached to an ether

linkage Answer: C.

Rationalization: Alcohol, any of a class of organic compounds characterized by one or more

## GENERAL EDUCATION- SET A/SET B

hydroxyl ( $\text{—OH}$ ) groups attached to a carbon atom of an alkyl group (hydrocarbon chain).



## GENERAL EDUCATION- SET A/SET B

39. What is the classification for polysaccharides, triglycerides, polypeptides and nucleic acids?

- A. Aids and Bases
- B. Macromolecules
- C. Phospholipids
- D. Carbohydrat

es Answer: B

Rationalization: A macromolecule is a very large molecule, commonly composed of the polymerization of smaller subunits called monomers.

A polysaccharide is one type of macromolecule made up of monosaccharides

Triglycerides are macromolecules called lipids, better known as fats or oils.

Polypeptide chains are strings of amino acids, joined by peptide bonds, an example of macromolecule. Nucleic acids are macromolecules that store, transmit and express the genetic information of a cell.

40. Of the following organism, which are included under Kingdom Plantae?

- A. Fungi
- B. Magnoliidae
- C. Prokaryotes
- D. Protozo

a Answer:

B

Rationalization: Magnoliids are a group of flowering plants.

41. Which element has Te as its symbol?

- A. Terbium
- B. Titanium
- C. Tellurium
- D. Technetiu

m Answer: C

Rationalizatio

n:

42. What is the term for the slowing-down response by the frog's circulatory during the cold season?

- A. Cold-blooded reaction
- B. Temperature response
- C. Hibernation
- D. Estimatio

n Answer: C

Rationalization: Hibernation is a state of inactivity and metabolic depression in endotherms.

Hibernation is a seasonal heterothermy characterized by low body-temperature, slow breathing and heart-rate, and low metabolic rate. It most commonly occurs during winter months.

## GENERAL EDUCATION- SET A/SET B

43. Which of the following is a vitamin?

A. Niacin



## GENERAL EDUCATION- SET A/SET B

- B. Mucin
- C. Pepsin
- D. Trypsin

n

Answer:

A

Rationalization: Niacin, also known as nicotinic acid, is an organic compound and a form of vitamin B3, an essential human nutrient.

44. Which element has Ca as its symbol?

- A. Cadmium
- B. Californium
- C. Carbon
- D. Calcium

m

Answer: D

45. A generalized image of an object is\_\_\_\_\_.

- A. Concept
- B. Definition
- C. Impression
- D. Mental

picture Answer:

D

Rationalization: A mental image or mental picture is an experience that, on most occasions, significantly resembles the experience of visually perceiving some object, event, or scene, but occurs when the relevant object, event, or scene is not actually present to the senses.

46. Which of the following processes involves chloroplast?

- A. Conversion of light energy to chemical energy.
- B. Formulation of Reproductive cells.
- C. Cell division
- D. Protein

synthesis Answer:

A.

Rationalization: Chloroplasts are organelles that conduct photosynthesis - Conversion of light energy to chemical energy

47. Besides solid, liquid, gas, what is the fourth form of matter?

- A. Plasma
- B. Gel
- C. Foam
- D. Colloid

Answer:

## GENERAL EDUCATION- SET A/SET B

A.

48. Which of the following is a heterotrophy?

A. Moss

B. Grasshopper



## GENERAL EDUCATION- SET A/SET B

C. Algae

D. Fern

Answer:

B

Rationalization: Heterotrophs are organisms that obtain energy from other living things.

Consider the grasshopper in the terrestrial food web as an example.

49. Which type of reaction does the general equation ( $AB + \text{energy} \rightarrow A+B$ ) shows?

A. Endothermic synthesis

B. Exothermic decomposition

C. Exothermic synthesis

D. Endothermic

decomposition Answer: D.

Rationalization: Endothermic reaction - Energy is in the reactant side (which means energy is absorbed in the reaction). Energy in forms of Heat is required for decomposition of a single substance into two or more simpler substances, the products (A+B).

50. Iron is what type of magnetic material?

A. Non-magnetic

B. Ferromagnetic

C. Paramagnetic

D. Diamagnetic

Answer: B.

Rationalization: Iron is ferromagnetic (attracted to magnets), but only within a certain temperature range and other specific conditions.

---

1. In 1565 Legaspi concluded a blood compact with the chief of Bohol. Who is referred to?

A. Raja Sulayman

B. Sikatuna

C. Lakandula

D. Rajah

Tupas

Answer: B

Rationalization: The Sandugo was a blood compact, performed in the island of Bohol in the Philippines, between the Spanish explorer Miguel López de Legazpi and Datu Sikatuna the chieftain of Bohol on March 16, 1565, to seal their friendship as part of the tribal tradition.

2. Who is the President who is known for his "Filipino First Policy" and Austerity Program?

A. Diosdado Macapagal

B. Carlos P. Garcia

C. Manuel Roxas

D. Ramon

Magsaysay Answer:

**GENERAL EDUCATION- SET A/SET B**

B



## GENERAL EDUCATION- SET A/SET B

Rationalization: The Filipino First (Tagalog: Pilipino Muna) refers to a policy first introduced and implemented by the administration of then Philippine President Carlos P. Garcia.

3. What was the second group of people who migrated by sea to the Philippines?

- A. Indonesians
- B. Arabs
- C. Indians
- D. Malays

Answer:

A.

Rationalization: THE INDONESIANS - THEY WERE THE FIRST IMMIGRANTS TO COME BY THE SEA TO THE PHILIPPINES. THEY CAME ABOUT 5,000 YEARS AGO AND SAILED IN BOATS FROM SOUTH ASIA. THEY WERE DROVE INTO THE MOUNTAINS AND LIVED IN THE LOWLANDS.

4. The following were among the five ships involved in Ferdinand Magellan's voyage EXCEPT .

- a. Concepcion
- b. Cartagena
- c. Trinidad
- d. Victori

a

Answer:

B

Rationalization: Magellan set sail with 270 men and five ships: the Trinidad (commanded by Magellan), the San Antonio, the Victoria, the Concepcion, and the Santiago.

5. Who was among the last generals who fought the Americans and established the so-called "Tagalog Republic"?

- a. Gregorio del Pilar
- B. Miguel Malvar
- c. Macario Sakay
- d. Manuel

Tinio

Answer:

C.

Rationalization: Macario Sakay y de León (March 1, 1878 – September 13, 1907) was a Filipino general who took part in the 1896 Philippine Revolution against the Spanish Empire and in the Philippine- American War. After the war was declared over by the United States in 1902, Sakay continued resistance by leading guerrilla raids.

6. In Philippine History, who was known "The Great Dissenter"?

- a. Camilo Osias
- b. Manuel Roxas

# GENERAL EDUCATION- SET A/SET B

C. Claro M. Recto  
d. Eulogio Rodriguez



# GENERAL EDUCATION- SET A/SET B

Answer: C.

Rationalization: Claro M. Recto - A nationalist, he was one of the most vocal proponents for Philippine autonomy. "The father of the Philippine Constitution and the last Filipino justice appointed by an American president. Known as the "Great Dissenter" because of his positions on foreign policies of different Philippine presidents.

7. Upon which is based the claim that there is no single universal standard to be used to judge any culture- based?

- A. Cultural relativism
- B. Cultural shock
- C. Cultural diversity
- D. Ethical

relativism Answer:

A.

Rationalization: Cultural relativism is the idea that a person's beliefs, values, and practices should be understood based on that person's own culture, rather than be judged against the criteria of another.

1. A bill becomes a law even if not signed by the President after \_\_\_ days. A. 60 B. 40 C. 20 D. 30

Answer: D. 30

Rationalization: A bill may become a law, even without the President's signature, if the President does not sign a bill within 30 days from receipt in his office. A bill may also become a law without the President's signature if Congress overrides a presidential veto by two-thirds vote.

2. Which refers to the act of the President to stay the execution of a convict?

- A. Commutation
- B. Amnesty
- C. Pardon
- D. Reprieve

Answer:

D.

Rationalization: Reprieves are a limited form of clemency. Essentially, a reprieve is a stay on the punishment of a defendant. Simply put, a reprieve halts the implementation of a punishment for a short time. Some refer to reprieves as a "stay of execution."

3. Who has the power to declare the existence of a state of war?

- A. Chief Justice
- B. President
- C. Senate President
- D. Congress

Answer:

**GENERAL EDUCATION- SET A/SET B**

D.



## **GENERAL EDUCATION–SET A/ SET B**

Rationalization: The Congress, by a vote of two-thirds of both Houses in joint session assembled, voting separately, shall have the sole power to declare the existence of a state of war.

4. A losing senatorial candidate may file a protest against the winner. What body will assume jurisdiction over the case?

- A. Supreme Court
- B. Electoral Tribunal
- C. COMELEC
- D. Regional Trial Court

Answer: B.

Rationalization: Guided by consistency in the interpretation of constitutional language, it is my view that the 1987 Constitution "intended to give the electoral tribunals full authority to hear and decide these cases from beginning to end and on all matters related thereto, including those arising before the proclamation of the winners."

5. How is the crime of rape classified?

- A. Heinous
- B. Homicide
- C. Murder
- D. Malicious

Answer: A.

Rationalization: Rape in the Philippines is considered a criminal offense. In Philippine jurisprudence, it is a heinous crime punishable by life imprisonment when committed against women. Rape of males is also legally recognized as rape by sexual assault, which is penalized by imprisonment of six to twelve years.