POLYTECHNIC UNIVERSITY OF THE PHILIPPINES COLLEGE EXAM TEST

NOTE: PLEASE BE REMINDFUL THAT THIS IS JUST A REVIEWER, NOT ALL OF THIS WILL BE IN PUPCET EXAM. THIS IS JUST A GUIDE ON WHAT ARE THE LESSONS THAT WILL BE COVERED BY THE SAID EXAM.

NEVERTHELESS, GOOD LUCK AND GOD BLESS EXAMINEES.

Please refer this topics on what you need to review: (REVIEW ON YOUR OWN RISK)

SPELLING

GRAMMAR

NON-VERBAL EXAM

READING COMPREHENSION

GREEK MYTHOLOGY

GENERAL MATHEMATICS

(I DIDN'T INCLUDE SOME WORLD FACTS BUT IT WILL ALSO INCLUDED ON PUPCET EXAM)



Spelling:

- 1. a. farenheit b. fharenheit c. fahrenheit d. fharenheight
- 2. a. hankerchief b. handkerchief c. handkherchief d. handkerchif
- 3. a. embarras b. embarrass c. embaras d. embarrass
- 4. a. caribbean b. carribean c. caribean d. carrebean
- 5. a. expirience b. expierience c. expierience d. experience
- 6. a. hierarchy b. hirarchy c. hierarcy d. heirarchy
- 7. a. mischevious b. mischevious c. mischeivous d. mischievous
- 8. a. rhythm b. rythm c. rhytm d. rytm
- 9. a. milenium b. millennium c. millenium d. mellenium
- 10. a. maintainance b. maintenance c. mentainance d. mentenance

Grammar:

11.	YOU	u must arive	becaus	se of the storm.	
	a.	Careful	b. Carefuly	c. Carefully	d. Care
12.	You	're so late! \	What	you	?
	a.	Kept	b. was keeping	c. is keeping	d. was keep
13.	Can	I ask you fo	r infor	mation about th	e conference?
	a.	Pieces of	b. some	c. many	d. several
14.	You	ı'll remembe	er to invite her, _	you?	
	a.	Will	b. won't	c. wouldn't	d. are
15.	You	ı s	how photo iden	tification at the	check-in.
	a.	Must	b. shouldn't	c. don't have to	o d. were
16.	We	've been col	leagues for ages	. I hi	m since I first moved to London.
	a.	Have known	n b. know	c. am knowing	d. knew
17. I wish all airlines would children fly fo					free.
	a.	Let	b. make	c. allow	d. teach
18.	I th	ink people n	owadays are a lo	ot more technica	ally-minded than they be
	a.	Use to	b. want to	c. would	d. used to
19.	Dor	n't forget to	post the letters _.	you {	go out.
	a. a	after	b. if	c. as soon as	d. by the time
20.	Wh	at did you _	do in yo	ur last employm	ent?
	a. w	vould	b. used to	c. will	d. use to



READING COMPREHENSION

Questions 21 through 27 refer to the following passage:

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain.

A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

21. The 16th ce	ntury was	s an age of grea	at	_ explor	ation.			
A. cosmic	B. land	C. men	tal	D. com	mon man			
22. Magellan lo	st the fav	or of the king c	of Portug	gal when	he became involved in a political			
A. entanglemer	nt E	B. discussion	C. nego	tiation	D. problem			
23. The Pope divided New World lands between Spain and Portugal according to their location on one side or the other of an imaginary geographical line 50 degrees west of Greenwich that extends in a direction.								
A. north and so	uth [B. crosswise	C. easte	erly	D. south east			



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24. One of Mag continent.	ellan's ships exp	lored the	of South A	merica for a pass	sage across the			
A. coastline	B. mountain rar	nge C. phys	ical features	D. islands				
25. Four of the	ships sought a pa	assage along a s	outhern	<u>.</u>				
A. coast	B. inland	C. body of land	with water on t	three sides	D. border			
26. The passage	e was found near	50 degrees S o	f					
A. Greenwich	B. The equator	C. Spain	D. Portugal					
27. In the spring of 1521, the ships crossed the now called the International Date Line.								
A. imaginary cir	cle passing throu	ugh the poles						
B. imaginary line parallel to the equator								
C. area								
D. land mass								
The following passage refers to questions 28 through 30.								

Marie Curie was one of the most accomplished scientists in history. Together with her husband, Pierre, she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university, where she earned her master's degree and doctorate in physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physics laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish. Despondently she recalled their close relationship and the joy that they had shared in scientific research. The fact that she had two young daughters to raise by herself greatly increased her distress.



Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonne. She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Nobel Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

28. The Curies'		collaborat	tion helped to unlo	ock the secrets of the atom.				
A. friendly	B. com	petitive	C. courteous	D. industrious				
29. Marie had a	a bright	mind and a	personality.					
A. strong	B. light	hearted	C. humorous	D. strange				
30. When she l	earned t	hat she could	not attend the ur	niversity in Warsaw, she felt				
A. hopeless	B. anno	oyed	C. depressed	D. worried				
GREEK MYTHO	LOGY							
31. Who was t	he first t	o ride the Peg	gasus?					
a. Percy Jacks	on	b.Perseus	c. Pan	d. Bellerophone				
32. Who killed	32. Who killed Achilles							
a. Persephone	9	b. Athena	c. Helen	d. Paris				
33. Who was H	ercules	wife after he	died					
a. Hera		b. Hebe	c. Hestia	d. Gaea				
34. What Immo			sa snakes for hair	and such an ugly appearance anyone who looked				
a. Zeus		b. Athena	c. Hera	d. Hades				
35. Who was the mother of Artemis and Apollo								
a. Semele		b. Hera	c. Leto	d. Aphrodite				
36. How did Kir	ng Minos	s die						
a. He got stabb	ed by a	sword						
b. Boiled in a b	urning b	ath						



	37. What wa	s Minos job afte	r he got to the ι	ınderworld							
	a. The assistent of hades										
	b. Director of the feilds of punishment										
	c. A judge of the dead										
	d. Having to roll a rock up a hill and never get done										
	38. Who is th	ne mother of He	rmes								
	a. Rhea	b. Se	emele	c. Echidna	d. Maia						
	39. Who is th	ne wife of Typho	n								
	a. Echidna	b. Cl	nimera	c. Nemean Lion	d. Hera						
	40. Which is	0. Which is the last labor of hercules									
	a. Taking the	apples from the	Garden of Hes	perides							
	b. The Captu	re of Cerberus									
	c. The Killing	of the Nemean	Lion								
	d. Cleaning t	he dirty stables	of King Augeas								
	GENERAL MA	ATHEMATICS									
	41. Find 40%	of 400									
	a. 160	b. 400	c. 190	d. 60							
	42. If a shirt	costs \$20 and is	reduced by 20%	how much will the new	price be						
	a. \$18	b. \$22	c. \$15	d. \$16							
	43. A car cost \$5000 + Tax. Tax is 17.5%. What is the total price of the car?										
	a. \$7635	b. \$5875	c. \$3755	d. \$5017							
	44. 95% of people in my street have a car. There are 160 people in my street. How many do not have car?										
	a. 152	b. 92	c. 1600	d. 8							
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c. Killed by the minotaur

d. Eaten by Polyphemus

b. Bar	iise, Patricia, Barbara bara, Patricia, Louise ricia, Louise, Barbara						
47. Express	4 out of 20 as a percen	tage.					
a. 0.02%	b. 0.20%	c. 29	% d. 20%				
_	up of people 17 came fo What percentage of peo		me from Spain, 32 came from Germany ermany?	and 9 c			
a. 28%	b. 40%	c. 11%	d. 30%				
49. In a test	Trene scored 11 marks	out of 25. What is	her percentage mark?				
a. 27%	b. 44%	c. 40%	d. 45%				
50. Find 209	% of 60 kg.						
a. 6 kg	b. 30 kg	c. 12 kg	d. 10kg				
vanilla and	1. A first grade class took a poll to find out their favorite ice cream. 1/4 chose chocolate, 1/4 chose anilla and 1/2 chose strawberry. 2 kids are lactose intolerant and can't eat ice cream. If there are 22 ds in the class, how many kids liked each flavor?						
A: 5 chocola	ate, 5 vanilla, 10 strawb	erry					
B: 5 chocola	ate, 5 vanilla, 12 strawb	erry					
C: 10 chocla	ate, 5 vanilla, 5 strawbe	rry					
D: Not enou	ugh information						
52. There are 18 kids at a birthday party. 1/2 of the kids have blue eyes. How many kids do not have blue eyes?							
A: 1	B: 9 C:	10 D. 1	8				
			s, Billy 3 cards, and Aidan 3 cards. What				

45. Express 25% as a fraction

a. 1/8 b. 1/4 c. 25 d. 1/25

A: 9 B: 9/12 C: 3/12 D: 1/3

54. There are 30 Easter eggs hidden in the grass. 6 are pink, 6 are green, 8 are yellow and the rest are purple. If Joe found all of the purple eggs, what fraction shows how many he found?

A: 1/2 B: 1/3 C: 1/6 D: 1/8

55. A garden has 10 red roses, 8 pink tulips, and 15 yellow daisies. What fraction of the flowers are pink?

A: 8/8 B: 8/25 C: 8/33 D: 10/23

56. 1/2 of the class has blond hair. 1/4 of the class has black hair. 1/4 of the class has brown hair. If there are 32 kids in the class, how many kids have each color hair?

A: 15 blond hair, 10 black hair, 10 brown hair B: 16 blond hair, 8 black hair, 8 brown hair

C: 16 blond hair, 7 black hair, 7 brown hair

57. Beth has 24 pieces of candy. She gave Jaime 1/3 and Selena another 1/4 of her candy. How much candy does she have left?

A: 8 B: 6 C: 10 D: 14

58. A recipe calls for 1/2 cup sugar, 1/2 cup brown sugar, 1/4 cup flour, and 1 egg. If I wanted to double the recipe how much of each ingredient would I need?

A: 1 c sugar, 1 c brn sugar, 1/2 c flour, 2 eggs

B: 2 c sugar, 2 c brn sugar, 1 c flour, 3 eggs

C: 1 c sugar, 1 c brn sugar, 3/4 c flour, 2 eggs

D: 2 c sugar, 2 c brn sugar, 1/2 c flour, 2 eggs

59. There are 6 pigs, 2 cows, and 4 roosters at the farm. What is the fraction of each animal at the farm?

A: 6/9 pigs, 2/5 cows, 4/11 roosters

B: 6/15 pigs, 2/15 cows, 4/12 roosters

C: 6/12 pigs, 2/12 cows, 4/12 roosters

60. Kelly spent 1/2 of her money on a DVD. She spent 1/6 of her money on a new popcorn maker. What fraction of her money did Kelly spend all together?

a. 2/8 of her money

b. 2/3 of her money

c. 1/4 of her money

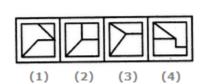
d. 4/6 of her money



NON-VERBAL EXAM

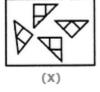
61. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure

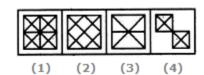




- **A.** 1
- **B.** 2
- **C.** 3
- **D**. 4

62. find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).





- Δ
- **B.** 2



D.	

C. 3

4

63. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

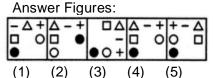
Problem Figures:

(B)

(C)

(D)

(E)



(5)

(A) Α.

B. 2

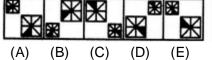
C. 3

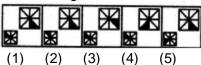
D. 4

64. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures:







A. 1

B. 2

C. 3

D. 4

65. Choose the alternative which is closely resembles the water-image of the given combination.

NUCLEAR

(1) RAELCON

(5) NUCLEAR

(3) NUCLEAR

(4) NUCLEAR

<u>**A.</u>** 1</u>

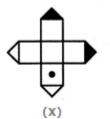
B. 2

C. 3

D. 4

66. Choose the box that is similar to the box formed from the given sheet of paper (X).











(3)



A. 1 and 2 only

B. 2 and 4 only

C. 2 and 3 only

D. 1 and 4 only

68. Identify the figure that completes the pattern.









A. 1

B. 2

<u>C.</u> 3

<u>D.</u> 4

67. Identify the figure that completes the pattern.









(3)



(4) **A.** 1

B. 2

C. 3

D. 4

. 69. Identify the figure that completes the pattern.









(4)

В. 2

C. 3

D. 4

50. Identify the figure that completes the pattern.



(X) (4)



(3)



. .

A.

B. 2

C. 3

D. 4

ANSWER KEY

SPELLING

1. c

2. b

3. k

4. a

5. d

6. a

o. a

7. d

8. a

9. b

10. b

GRAMMAR

11. c

12. a

13. b

14. b

15. a

16. a

17. a 18. d

19. c

20. d

READING COMPREHENSION

21. b

22. a

23. a

24. c

25. c

26. b

27. a

28. a

29. b



30. b

59. c 60. b

NON-VERBAL EXAM

61. a

62. b

63. d

64. a

65. d

66. c

67. b

68. d

69. d

70. b

GREEK MYTHOLOGY

31. d

32. d

33. b

34. b

35. c

36. b

37. c

38. d

39. a

40. b

GENERAL MATHEMATICS

41. a

42. d

43. b

44. d

45. b

46. b

47. d

48. b

49. b

50. c

51. a

52. b

53. b

54. b

55. c

56. b

57. c

58. a

