අධායන පොදු සහතික පතු (උසස් පෙළ) විභාගය, 2017 අගෝස්තු கல்விப் பொதுத் தராதரப் பத்திர (உயர் தர)ப் பரிட்சை, 2017 ஓகஸ்ந் General Certificate of Education (Adv. Level) Examination, August 2017

සාමානෳ පොදු පරීක්ෂණය பொதுச் சாதாரணப் பரீட்சை Common General Test



පැය දෙකයි මිනින්තු තිහයි இரண்டு மணித்தியாலமும் முப்பது நிமிடமும் Two hours and thirty minutes

## Instructions:

- \* Answer all the questions.
- \* Use of calculators is not allowed.
- \* Write your Index Number in the space provided in the answer sheet.
- \* Instructions are given on the back of the answer sheet. Follow those carefully.
- \* In each of the questions 1 to 60, pick one of the alternatives from (1), (2), (3), (4), (5) which is correct or most appropriate and mark your response on the answer sheet with a cross (x) in accordance with the instructions given on the back of the answer sheet.

1.	Sri Lanka beat	Australia i	n a	Test	cricket	series	in	2016	after	17	years.	Who	was	the	captain	of	Sri	Lanka
	in this Test cric														-			

Rangana Herath

- (2) Angelo Mathews
- (3) Upul Tharanaga

(4) Lasith Malinga

- (5) Dinesh Chandimal
- 2. Who is the current President of the United States of America?
  - (1) Donald Trump

- (2) Barack Obama
- (3) George W. Bush

(4) Hillary Clinton

- (5) John McCain
- Which of the following revolutions marks the 100th anniversary in 2017?
  - (1) French Revolution

- (2) English Revolution
- (3) American Revolution

- (4) Russian Revolution
- (5) Belgian Revolution
- 4. Which of the following feats did Jayanthi Kuru-Uthumpala achieve as the first Sri Lankan?
  - (1) Reaching the summit of Mount Everest (2) Swimming across the Palk Strait
  - (3) Winning the Wimbledon tennis title
- (4) Winning London Marathon
- (5) Winning a Gold medal in Summer Olympics
- 5. The term "Brexit" is commonly used for the act of United Kingdom withdrawing from an organization. What is the name of that organization?
  - (1) Non-Aligned Movement
- (2) North Atlantic Treaty Organization
- (3) United Nations Organization
- (4) Commonwealth of Nations

- (5) European Union
- 6. In January 2017, Prime Minister of Sri Lanka attended the 47th Annual Meeting of the World Economic Forum. That meeting was held in
  - (1) Davos, Switzerland.
- (2) Geneva, Switzerland.
- (3) Zurich, Switzerland.

(4) Brussels, Belgium.

- (5) Rome, Italy.
- 7. The Maldives announced in October 2016, its decision to withdraw from an organization. This organization is
  - (1) Non-Aligned Movement.
- (2) United Nations Organization.
- (3) Commonwealth of Nations.
- (4) International Monetary Fund.
- (5) South-Asian Association for Regional Cooperation.
- 8. In September 2016, the World Health Organization declared Sri Lanka is free of a certain disease. What is that disease?
  - (1) Malaria
- (2) Leprosy
- (3) Filaria
- (4) Tuberculosis
- (5) Polio
- 9. Which of the following Latin American countries signed a peace deal in November 2016 with the country's largest rebel group known as FARC?
  - (1) Argentina
- (2) Colombia
- (3) Bolivia
- (4) Chile
- (5) Mexico

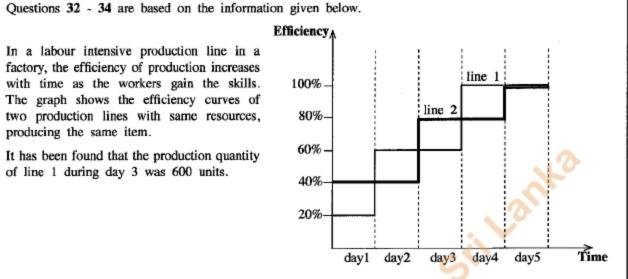
10.		traitors was revoked	by the Presider		declaring 19 leaders of the in December 2016. What is
	<ol> <li>Robert Brownrigg</li> <li>William Henry Grego</li> </ol>	1 /	Fredericke Nor John Anderson	th	(3) Edward Barnes
11.	Last year NASA's spacecra years. What is that planet's (1) Venus (2) Sa	?		after travelling Uranus	<ol> <li>2.8 billion kilometres in five</li> <li>(5) Jupiter</li> </ol>
12			1,7		ent programme was declared
12.	open earlier this year. Wh	-		arren deretepin	ni programme mas accumen
	(1) Kotmale (4) Randenigala	(2)	Moragahakanda Maduru Oya	ı	(3) Victoria
13.		clones caused extrem	e weather condi	tions in May 20	16 resulting in severe floods
	and landslides in Sri Lank	a?			
	(1) Nada (2) K	•		Viyara	(5) Nilam
14.			Government and	Provincial Counc	il to review the demarcation of
	electoral boundaries of local (1) Inter Ministerial Com-		The Internation	al Independent G	roup of Eminent Persons.
	(3) The Presidential Comm				
	(5) Inter Agency Advisor	y Committee.			
15.	Recently, the European Uni				allowed by this?
	(1) European Union to pr				
	<ul><li>(2) Duty-free entry to Sri</li><li>(3) European Union compa</li></ul>			n products	
	(4) Conservation of bird			nd Sri Lanka	
	(5) Sri Lanka to pay less				an Union
16.				which day will he a Wednesday	e celebrate his next birthday? (5) a Thursday
17.					same time, starting from A,
	_		, Tina walks at	a speed of 5 km	h h-1 towards A starting from
	B. How far from A do the (1) 360 m (2) 45	-	500 m (4)	800 m	(5) 1000 m
10	. ABCD is a square with lea				
10.	area of rectangle EFGH is				A E H D
			3.5 m.		
	(1) 2.0 m. (2) 3. (4) 4.0 m. (5) 5.	Ca .	<i>7.7</i>		
	(4) 4.0 m. (3) 3.	, III.			
					B C
10	The ratio between the nur	mber of girls and the	number of boy	vs in a certain o	class is 7:3. When a new
	boy joins the class, this ra	atio changes to 2:1	. What is the n	umber of girls i	n the class?
	(1) 12 (2) 14			18	(5) 20
20.	. Eight weights of 1 kg, 2 l	kg, 3 kg, 4 kg, 5 kg	, 6 kg, 7 kg and	d 8 kg must be	separated into two sets each
		o that the total mass	of each set of	weights is the s	ame. In how many different
	ways can this be done? (1) 0 (2) 1	(3)	2 (4)	3	(5) 4
21					At 6.00 a.m., the tank was
41,	full and started release	fortilizze When Div	I checked the	tank after some	e time, $\frac{1}{4}$ of the tank was
	amoty At the and of the	next hour he cheer	ed that $\frac{1}{2}$ of the	he tank was am	oty. At what time would the
		_	$\frac{1}{3}$ or u	tain was em	pty. At what time would the
	tank be completely empty (1) 10.00 a.m. (2) 12		2.00 p.m. (4)	4.00 p.m.	(5) 6.00 p.m.

•	A mobile phone co * Rs. 5 for	23 are based on the fo ompany charges outgoing the first minute of the second minute				
	<ul><li>Rs. 3 for</li><li>Rs. 2 for</li></ul>	r the third minute r each minute above th				
2.		ch call is registered in d for a 8-minute call i (2) Rs. 21.		(4) Rs. 23.	(5) Rs. 24.	
3.		unt a person could have (2) Rs. 19.				5 minutes is
4.		num number of squares teles triangle with each (2) 48	_			be inscribed in
5.	Aruna's average ma mark for the remai (1) 58	urk for 8 subjects is 70 ning 7 subjects? (2) 68	. If he has obtain (3) 70	ed 84 marks for o	ne subject, what	is his average
6.	B, which is 30 km	t an average speed of from station A. If the d it leave A to reach I (2) 7.15 a.m.	next train from	A to $B$ travels at the arrival of the	an average speed	i of 50 km h <sup>-1</sup> , B?
7.	of type one is 7 kg	ith two types of boxes, and type two is 8 kg. any boxes of type two (2) 4	Kanchana knows			
8.		minutes by going to sch to the school at an ar (2) 1.0 km		km h <sup>-1</sup> . How far		
9.	• •		Exa		,,	
	What is the mirror  (1)	image of the figure gi	ven above?  (3)	(4)	(5)	
0.		ring shapes can be obtain same letter of the plan			a (0)	b R
	(1)	(2)	(3)	(4)	(5)	

- 31. A mango vendor sells mangoes from Monday to Friday. The total number of mangoes he had sold during these five days was 310. In each day, except for Monday, the number of mangoes sold was the half of the number of mangoes sold on the previous day. How many mangoes did the vendor sell on Thursday? (1) 10 (3) 40 (4) 80

In a labour intensive production line in a factory, the efficiency of production increases with time as the workers gain the skills. The graph shows the efficiency curves of two production lines with same resources, producing the same item.

It has been found that the production quantity of line 1 during day 3 was 600 units.



32. How many units were produced in line 2 on day 4?

(2) 600

33. If line 1 and line 2 have produced U<sub>1</sub> and U<sub>2</sub> units respectively at the end of first four days, what is the ratio U1:U2?

(1) 1:1

(2) 1:2

(3) 2:1 (4) 3:1

34. The factory receives an order, which has to be produced entirely in one production line. Using the same efficiency curves, the manufacturer estimates that, the order quantity can be supplied one day earlier, if it was produced in line 2, instead of line 1. Which of the following can be the quantity of this order?

(1) 500 units

- (2) 1000 units
- (3) 1500 units (4) 2000 units
- (5) 2500 units
- Questions 35 and 36 are based on the information given below.

Amal, Bhavan and Cassim went on hiking. Amal carried a tent for the first 3 kilometres, Bhavan carried it for some distance and Cassim carried it for the last 5 kilometres to the campsite. Coming back in the next morning, Amal carried the tent for the first 4 kilometres and gave it to Cassim to carry for some distance and finally Bhavan carried it for the last 5 kilometres.

35. What is the difference in kilometres between the distances Bhavan and Cassim carried the tent?

(1) 0

(2) 1

(3) 2

(4) 3

36. If A, B and C denote the distances Amal, Bhavan and Cassim carried the tent respectively, which of the following is essentially incorrect?

(1) A > B > C

(2) A < B > C

(3) A > B < C (4) A = B > C (5) A = C < B

Questions 37 and 38 are based on the information below.

Soma had her morning tea with one teaspoon of sugar. Before lunch she drank 75 ml of ginger-beer with sugar content 10 g in 100 ml. Soma had been advised by her physician to limit her daily intake of added sugar to 20 g. Now Soma is looking for something to drink at the evening tea time.

37. If Soma would like to have tea, how many teaspoons of sugar can she add to it? (1 teaspoon of sugar = 5 g of sugar)

(3) 3

(4) 4

(5) 5

38. Instead of tea if Soma would like to have lemonade with sugar content 15 g in 100 ml, how much can she drink?

(1) 50 ml

(2) 75 ml

(3) 100 ml

(4) 150 ml

(5) 200 ml

AL/2	/2017/12/E -5 -	
39.		number of teachers  and (S)
40.	(4) (P) and (R) (5) (P), (Q) and (R)  Which of the following cannot be the birthdays of two twin girls born within 24 hou (1) 21st January and 21st January (2) 30st January and 01st February (3) 28st February and 01st March (4) 31st July and 01st August (5) 31st December and 01st January	urs apart?
	For questions 41 and 42, consider the following dialogue of a police interrogation, in asked 6 questions and the witness gave 6 answers.  1st question - When did you see him for the last time?  1st answer - Two months ago.  2nd question - Did he recognise you then?  2nd answer - No, he had almost lost his vision.  3nd question - Where did you see him?  3nd answer - At the last K. A. F Kandy Annual Flower show.  4nd question - Did he buy any flowers?  4nd answer - No, he wasn't happy about their colour.  5nd question - Will you be seeing him again?  5nd answer - Yes, in three weeks time.  6nd question - Where would that be?  6nd answer - The next K. A. F. show.	which the policeman
	If the first three answers are true, then how many answers are necessarily false?  (1) 0 (2) 1 (3) 2 (4) 3 (5) 4  What is the maximum number of possibly true answers?	

(3) 3 (4) 4

(1) 1

(2) 2

(5) 5

Questions 43 and 44, are based on the following paragraph and the table.

A trip from Ambagamuwa to Keselgamuwa includes a one-hour train ride from Ambagamuwa railway station to Dambagamuwa railway station, a 15 minute bus ride from Dambagamuwa railway station to Narangamuwa bus stop, and finally a 5 minute three-wheeler ride from Narangamuwa bus stop to Keselgamuwa. The departure schedule of trains and buses are given here. The three-wheelers are available at any time of the day at Narangamuwa bus stop. It is assumed that the passengers get the immediate transport facility available.

TRAIN	BUS
Departure from	Departure from
Ambagamuwa	Dambagamuwa
8.00 a.m.	9.05 a.m.
8.10 a.m.	9.10 a.m.
8.15 a.m.	9.25 a.m.
8.25 a.m.	9.30 a.m.
8.35 a.m.	9.40 a.m.

43. Mr. Delgoda spent I hour and 30 minutes for his trip from Ambagamuwa to Keselgamuwa. What time did his train leave Ambagamuwa railway station?

(1) 8.00 a.m.

(2) 8.10 a.m.

(3) 8.15 a.m. (4) 8.25 a.m.

(5) 8.35 a.m.

44. Mrs. Panagoda came to Ambagamuwa railway station 14 minutes earlier than Mr. Wanasinghe. However, both arrived at Keselgamuwa at the same time. Mr. Puhulgoda who departed at 8.00 a.m. from Ambagamuwa railway station, waited in Keselgamuwa until these two persons arrived. How long Mr. Puhulgoda had to wait there?

(1) 5 minutes

(2) 10 minutes

(3) 15 minutes (4) 20 minutes

(5) 25 minutes

45. It is said that the species called 'wonderbirds' fly from the mainland to islands.

Which of the following statements, if true, will most seriously weaken the credibility of the above statement?

- (1) There are more wonderbirds in Jaffna than Kayts island.
- (2) There are more wonderbirds in Sri Lanka than in India.
- (3) Wonderbirds are seen flying from Jaffna to Kayts Island.
- (4) Wonderbirds are seen flying from Sri Lanka to India.
- (5) Wonderbirds cannot fly above water.

16	Select	the	conceptually	different	sequence	
40.	SCICCL	une	conceptually	different	sequence.	

- (1) Asia → Sri Lanka → Western Province → Colombo
- (2) Proton → nucleus → atom → matter
- (3) Ocean → river → stream → fountain
- (4) Mcdia → newspaper → supplement → cinema page
- (5) Forest → tree → fruit → seed
- For questions 47 and 48, read the following paragraph.

Human Immuno deficiency Virus and Acquired Immuno Deficiency Syndrome are called in short HIV and AIDS respectively. When HIV enters into the body of a person he or she is infected with HIV. This virus weakens the immunity of a person and thereby increases the risk of getting diseases from infections caused by other micro-organisms. It may take about 8-10 years from the time of HIV infection to show the symptoms of other diseases. This stage of a person showing symptoms of other diseases as a result of weakened immunity is referred as the stage of AIDS. A person can get infected with HIV either from an HIV infected person or from a person with AIDS. In most cases, a person gets infected with HIV by having unprotected sex with an HIV infected person or through a blood transfusion from an HIV infected person or being born to an HIV infected mother.

- 47. Which of the following is not explicitly said in the above paragraph?
  - (1) A person can get AIDS by non-sexual relationships.
  - (2) There can be an individual having HIV infection without symptoms of AIDS.
  - (3) A person might not get infected with HIV if precautions are taken in sexual relationships with an HIV infected person.
  - (4) Immunity has the ability to prevent many diseases caused by micro-organisms.
  - (5) Not only HIV but other micro-organisms also can cause sexual diseases.

## 48. This paragraph discusses about

- (1) different kinds of sexual diseases.
- (2) different modes of transferring HIV from mother to baby.
- (3) the meaning of HIV and AIDS and the relationship between them.
- (4) why it takes a long period to show AIDS after the infection of HIV.
- (5) getting a new person infected with HIV only from a person showing AIDS symptoms.
- In question numbers 49, 50 and 51, a conclusion and an information set of three statements numbered I, II and III are given.
  - \* If the conclusion can be made by using only one statement, select A,
  - \* If the conclusion can be made by using I and II together, select B,
  - \* If the conclusion can be made by using I and III together, select C,
  - \* If the conclusion can be made by using II and III together, select D,
  - \* If the conclusion can be made by using I, II and III together, select E.
- 49. Conclusion: Environment is polluted by human activities.
  - I Man is responsible for producing environmental pollutants such as greenhouse gases.
  - II Human environment chiefly consists of land, water, air and living beings.
  - III Oceans, forest cover and cultivated lands are natural reservoirs for greenhouse gases.
  - (1) A
- (2) B
- (3) C
- (4) D
- (5) E

50. Conclusion: More than half of the motor vehicle population in Sri Lanka consists of motor bicycles.

- Motor vehicles are classified into four types as "motor bicycles", "motor cars", "three-wheelers" and "other vehicles".
- II The percentages of three-wheelers, motor cars and other vehicles out of total population of motor vehicles in Sri Lanka are 17%, 11% and 19% respectively.
- III The total motor vehicle population in Sri Lanka exceeds 6 million.

(1) A

- (2) B
- (3) C
- (4) D
- (5) E
- Conclusion: The collapse of Meethotamulla garbage dump is a man-made disaster.
  - I The relevant institutes dumped the garbage collected in the city at Meethotamulla.
  - II Intermittent rain followed by hot weather increased the microbial activities.
  - III Due to unplanned activities the amount of garbage dumped there has exceeded the amount the land could hold.
  - (1) A
- (2) B
- (3) C
- (4) D
- (5) E

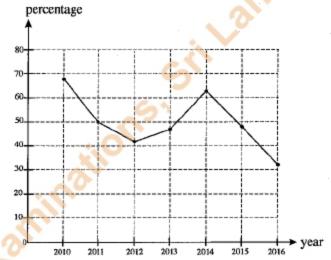
Study the signs given below to respond to questions 52 and 53.



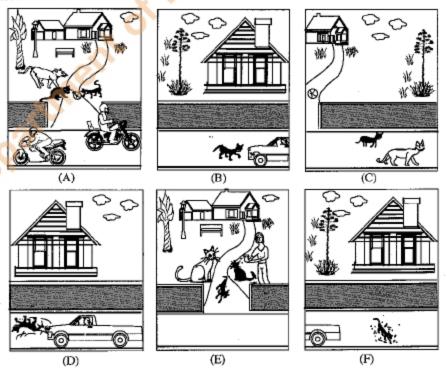
- 52. Arrange the four English capital letters representing the corresponding signs for the following in the same sequential order from a to d.
  - a Blind people crossing ahead
  - c Narrow bridge or culvert ahead
- b Road work ahead
- d Level crossing with gates ahead

- (1) B, E, A, F
- (2) D, B, A, F
- (3) C, E, A, F (4) C, B, E, F
- (5) D, E, A, F
- 53. Which two signs indicate a place on a road ahead where pedestrians cross the carriageway and a place along a road ahead where a school or a playground is located in the vicinity?
  - (1) B and C
- (2) B and E
- (3) C and E
- (4) B and D
- (5) C and D

- 54. The percentage of One Day International Cricket matches won by the Sri Lankan team out of the total number of matches played each year during the period 2010-2016 is given in the graph. In which of the following years did Sri Lankan team win at least half of the matches they played?
  - (1) 2010, 2011 and 2014
  - (2) 2010 and 2014
  - (3) 2010, 2011, 2014 and 2015
  - (4) 2012, 2013, 2015 and 2016
  - (5) Every year in the period except 2010 and 2014



55. Six pictures related to a particular incident are given below. Choose the response which arranges the pictures in correct sequence.



- ACBFED
- (2) ACBDEF
- (3) CBADFE (4) ACBDFE
- (5) ABCDEF

Ouestions 56, 57 and 58 are based on the following information.

The following are parts of a conversation that took place between a postman and a lady at her home, but they are not in the correct sequence.

- A Good morning postman. Is it an ordinary letter or a registered letter?
- B Good morning madam.
- C No problem, madam.
- D Now I am ready. Please hand over the letter to me.
- E Madam please place your signature at this slip to show that you have received the letter.
- F Here I am placing my signature.
- G Madam it is a registered letter.
- H I have to wash my hands. Could you please wait for a little while?
- I Here I am handing over to you.
- J Thank you.
- K Thank you, Good day Madam.
- L Good day to you too.
- 56. Select the answer that represents the most logical sequence of the conversation.
  - (1) ABHGDCIJEFLK

- (2) ABHGDCIJFEKL
- (3) BAHGDCIJEFKL

(4) BAGHCDIJEFKL

- (5) BAGHCDIJFELK
- 57. What are the two parts which indicate that the letter brought by the postman is a registered letter?
  - (1) A and B
- (2) A and H
- (3) E and I
- (4) G and H
- (5) E and G
- 58. If the letter brought by the postman is an ordinary letter, two irrelevant parts in the above conversation are

  (1) B and H

  (2) H and K

  (3) E and F

  (4) E and L

  (5) F and L
  - In each of the questions 59 and 60, five short passages, each with three statements, are given. In only one of
    the passages the three statements can be rearranged in order to show a logical relationship. Select the passage
    which contains the statements that can be rearranged to show a logical relationship.
- 59. (1) Ajith Perera is a National level cricket coach. Mr. Perera's son is the school captain for basket ball and daughter is the captain for netball. Father's talent is shown in his children as well.
  - (2) Cement is made in Sri Lanka and imported as well. Limestone is the main raw material for manufacturing cement. Limestone is naturally available in Sri Lanka.
  - (3) Coconut is a food crop in Sri Lanka. Coconut is grown in home gardens as well as in large estates. Majority of the coconut estates are in Puttalam, Kurunegala and Gampaha Districts.
  - (4) In paper manufacture, watery pulp made out of plant raw materials is first treated to remove the gummy substances. Following the removal of water, the thick pulp is dried up. Pulp is bleached, fillers added and compressed by rollers to remove water.
  - (5) Fatal motor accidents take place in Sri Lanka at a rate of 4 deaths per day. Speed kills. Deadly motor accidents are mainly due to sleepiness while driving.
- 60. (1) English Language is currently taught as a subject at Government schools from grade three onwards. Writing suitable textbooks for grade 1 and 2 and teacher training are initiated. The Ministry of Education is taking steps to promote Activity Based Oral English as a subject for grade 1 and 2 in future.
  - (2) Government is encouraging cattle breeding. A cow yields up to 20 litres of milk per day. Milk is a complete food
  - (3) A Mobile phone is not only a calling device but a component of networking system as well. Wristlet is not only a time keeper but an ornament as well. Gold jewellery is not only an attractive ornament but an investment as well.
  - (4) Most flowers bloom in the morning. White flowers bloom both in the night and morning. Flowers which bloom in the night are fragrant.
  - (5) The Meteorology Department predicts rain within next 48 hours. Fishermen are advised not to go for deep sea fishing as heavy wind, lightning and thunder will be associated with heavy rain. Inland fishermen and people engaged in prawn farming are not concerned about weather forecast warnings.