INSTRUCTIONS TO CANDIDATES:
(To be read out by the external invigilator before the start of the examination)

There are 46 questions in this paper worth 50 marks. Attempt ALL questions even if you are not so sure of some of the answers.

The Examination is divided into three parts:

**PART A:** Multiple-Choice  (Questions 1 to 25)

**PART B:** Short-Answer  (Questions 26 to 45)

**PART C:** Extended Response  (Question 46)

The Answer Sheet is part of the Examination Booklet. Take out the middle pages and remove the Answer Sheet by tearing along the perforation. You may use the blank sheet for rough work.

For each question in PART A choose the correct answer and write the letter A, B, C or D in the space provided on the ANSWER SHEET.

For each question in PART B and PART C work out the answer and write the answer in the space provided on the ANSWER SHEET.

If you find a question very difficult, do not spend too much time thinking about it. Leave the question out and go on with the rest of the paper. If you have time in the end, return to the difficult questions and think about them more carefully.

Write your answers in BLUE or BLACK ink (pen or biro).

If you decide to change an answer, make your correction as shown below so that it is clear to the markers what your final answer is. Do NOT use correction fluid on your answer sheet.

Hand in BOTH the Answer Sheet and the papers used for rough work at the end of the examination.

Extra time will NOT be allowed to complete the examination under any circumstances.

The penalty for cheating or assisting others to cheat in national examinations is non-certification.

DO NOT TURN OVER THIS PAGE AND DO NOT WRITE UNTIL YOU ARE TOLD TO START.
PART A: MULTIPLE CHOICE (QUESTIONS 1 to 25)  25 MARKS

For each question, choose the correct answer and write the letter A, B, C or D in the space provided on the ANSWER SHEET.

QUESTION 1
What is the common advantage of a clean home?
A. Prevents unwanted diseases. B. Avoids only mosquitoes.
C. Impresses the health inspector. D. Earns rewards from provincial government.

For Questions 2 and 3 refer to the information below.
The following are steps in problem solving.

I. Identify the problem.
II. Describe the possible solutions.
III. Evaluate your ideas.
IV. Act out your plan.
V. Learn from your experiences.

QUESTION 2
What is most likely to happen after step V?
A. No more problems are likely to happen.
B. You are ready to cause another problem.
C. You are likely to deal with another problem.
D. Your family will not face any problem.

QUESTION 3
Step II in the method above gives you the advantage to predict the possible _____________.
A. problems  B. situations  C. consequences  D. experiences
For Questions 4 and 5, refer to the information below.

DRABC is a first-aid-approach that is given to an injured person who is due for professional medical care.

**QUESTION 4**

‘A’ in DRABC represents ‘Airways’, where the patient is placed on his side; head tilted back and mouth opened to clear foreign objects in the air passages.

Which diagram above corresponds to clearing of the Airways?

A. II  B. III  C. IV  D. V

**QUESTION 5**

The ‘C’ in DRABC stands for Circulation, which means ____________________.

A. place patient on his side, tilt head back to clear the airways
B. look, listen and feel for breathing of the patient
C. check for danger to you, others and the patient
D. if pulse is not present, CPR needs to be administered

**QUESTION 6**

Which of the alternatives below has been a peaceful approach to solve conflicts in our societies?

A. Bride price payments  B. Tribal warfare
C. Through consensus  D. By census
For Questions 7 and 8, refer to the activities of people that give their identity.

QUESTION 7
Which group of people has the identity in label I?
The _____________________ Province in Papua New Guinea.
A. Mekeo dancers of Central
B. Asaro Mud-man of Eastern Highlands
C. Tapioca dancers of Trobriand in Milne Bay
D. Huli wig-men of Hela

QUESTION 8
What aspect of identity is represented in diagrams I - IV?
A. Family  B. Culture
C. Kinship  D. Totem
QUESTION 9
An approach used in both traditional and modern cultures to enjoy sexual intercourse and avoid unwanted pregnancy is to _________________.
A. have normal sexual intercourse  B. avoid sexual intercourse
C. use condoms during sex  D. use ovulation method

QUESTION 10
The two main functions of the male urethra are to remove urine and to ________________ cells.
A. transport egg  B. produce sperm
C. transport sperm  D. produce bacteria

For question 11, study the mucus diagram below.

(Ⅰ)  (Ⅱ)

QUESTION 11
What do these mucus diagrams give information about?

QUESTION 12
Which statement best describes the definition of values?
A. Importance or usefulness of something to somebody.
B. Your inherited traits and characteristics.
C. Goals and aims of an individual.
D. Goods and services that satisfies an individual.

QUESTION 13
Which of the following is the direct consequence of domination and discrimination?
QUESTION 14
The foods below that would provide a balanced meal are ________________.
A.   Peanuts, pawpaw and taro.         B.   Chicken, carrot and fish.
C.   Fish, bread and sweet potato.      D.   Cassava, cooking banana and mango.

QUESTION 15
Which alternative has only the characteristics of a negative role model?
A.   Respectful, hardworking, lustful.   B.   Respectful, demanding, lazy.
C.   Demanding, proud, hardworking.     D.   Demanding, lustful, proud.

For Questions 16 and 17 refer to the diagram below.

HIV/AIDS infections reported in PNG by province of detection (1987 - 2006)

National Capital District 9,312
Morobe 1,673
Eastern Highlands, Enga & Other Provinces 3,744
Western Highlands Province 3,554

QUESTION 16
What is the approximate percentage of reported HIV/AIDS infections in the National Capital District?
A.  40%  B.  45%  C.  50%  D.  65%
QUESTION 17

Between 1987 and 2006, the total population of PNG infected with HIV/AIDS was ___________.
A. 18,283  B. 14,971  C. 11,866  D. 9,312

QUESTION 18

Which of the alternatives below is not an example of signs and symptoms of sexually transmitted disease?
A. Discomfort when urinating.  B. Lumps on genitals.
C. Genital itching.  D. Sexual masturbation.

QUESTION 19

Which of the following portrays 'positive pressure' in the process of socialization and interaction with peers?
A. Peers encourage and help to make wise decisions or develop new skills.
B. Assistance is offered to win the favor of others in social competitions.
C. Peers discourage participation in social activities benefiting to the community.
D. You work under pressure to achieve set goals and objectives.

QUESTION 20

Certain flexibility exercises maintain mobility and keep the joints healthy, mobile and free from stiffness.

Typical bone

The location where two bones meet is called ____________.

A. ligament  B. joint
C. ankle  D. muscles
QUESTION 21
Listed are the different basic values of families for their children:

i. threat  iii. care  v. security  vii. nepotism
ii. love  iv. workload  vi. discouragement  viii. advice

Which of the alternatives indicate choices of good family values?
A.  i, ii, iii, iv  B.  i, ii, v, viii  C.  ii, iv, vi, viii  D.  ii, iii, v, viii

For Questions 22 and 23, refer to the letters below.

Dear Chris,
I hate to be myself because I really feel lonely. Some times even when I am at party, I feel lonely too. Why do I feel this way? I want to be popular and I want people to like me.

Mel

Dear Mel,
You are not alone in feeling lonely today. One research study showed that over 50 percent of the people had felt severe loneliness in the previous weeks.

The first step in overcoming loneliness and a feeling of unpopularity is to work on improving your self-concept. You will feel better about yourself if you work on improving a particular skill or interest. Volunteer sometime to a charitable organization or try a new experience such as joining a dance class or an outer club. New activities will also bring you in contact with new people who could become your friends.

Chris

QUESTION 22
Chris suggested that Mel felt lonely and unpopular because she _____________.
A.  was sick  B.  had no friends
C.  had low self-concept  D.  was miserable

QUESTION 23
Which of these organisations should Chris recommend Mel to join to improve her self-concept?
A.  Assist PNG Red Cross.  B.  Join the PNGDF.
C.  Work with PNG Power.  D.  Work in the LNG project.
For Question 24 and 25, refer to the Trade Routes

QUESTION 24
Which list has items only exchanged between places involved in the Kula Trade?
A. Pots, sago, and shell. 
B. Shells, pots and carvings. 
C. Carvings, populations and sago. 
D. Axes, shells and sago.

QUESTION 25
Which coastal province would have traded shells with traders from Simbu Province in the Highlands?
A. Western 
B. Gulf 
C. Central 
D. Madang
PART B: SHORT ANSWERS (QUESTIONS 26 to 45) 20 MARKS
For each question, write the correct answer in the space provided on the ANSWER SHEET.

For Questions 26 to 28, refer to the diagram on Human Immune Systems.

![Diagram of Human Immune Systems]

**QUESTION 26**
The initial ‘S’ in AIDS refers to the signs and symptoms in an AIDS patient. What does the letter ‘S’ stand for?

**QUESTION 27**
Which diagram is most likely to be infected by the opportunistic diseases?

**QUESTION 28**
The condition that results from the Immune System being completely broken down is called ____________.

**QUESTION 29**
The National Flag, Currency, Bird of Paradise and House of Parliament of PNG are symbols that express our national ________________.

**QUESTION 30**
What is the name of the highest court of appeal in Papua New Guinea? ____________Court.

**QUESTION 31**
Name the type of marriage where a man is married to more than one wife. ________________
For Question 32 and 33 refer to the information below.

Stretching small and large muscles

![Diagram of stretching muscles](image)

Stretching warms up muscles, improves blood circulation and improves sport performances.

**QUESTION 32**
Which of the diagrams I - IV shows the stretching of the back muscles? ____________

**QUESTION 33**
Which diagram shows the stretching of the hamstring only? ____________

For Questions 34 and 35 refer to the information below.

*Here are the steps for egg to implant in the womb.*

i. Egg implants in the walls of uterus.  
ii. Sperm fertilizes egg.  
iii. Ovary releases egg.  
iv. Womb protects and amniotic sac supports growth.

**QUESTION 34**
Which step represents ovulation stage? __________________

**QUESTION 35**
Which step occurs in the fallopian tube? ________________
For Questions 36 to 38, refer to the information in the table

Stages of egg in the female

<table>
<thead>
<tr>
<th>Stage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth</td>
<td>Female baby ovary contains between 250,000 and 500,000 potential eggs.</td>
</tr>
<tr>
<td>Puberty</td>
<td>Between 100,000 and 200,000 potential eggs survive but are in the early stage of development. Most other potential eggs have disintegrated.</td>
</tr>
<tr>
<td>Menopause</td>
<td>Menstruation abruptly ceases or may take between ages 45-50. Ovaries gradually cease to functions</td>
</tr>
</tbody>
</table>

QUESTION 36
The number of eggs that would have been broken down and eliminated by the female body at puberty would be 150,000 to ____________.

QUESTION 37
At what stage does menstruation start in females? ____________

QUESTION 38
Which reproductive organs stop functioning at ages 45 to 50? ____________

For Questions 39 – 41 refer to the picture below.

QUESTION 39
Name the sport played by the person labelled (a). ________________
QUESTION 40
How many players are required in a team to play the sport represented by (d)? _________________

QUESTION 41
Players use their hands to play sports labelled (a), (b), (c) and (e). Which one of them is mostly a female oriented sport? _________________

For Questions 42 - 44, refer to the diagram below.

QUESTION 42
Which of the above food groups labelled A, B or C is high in Carbohydrates? _________________

QUESTION 43
Which food group is rich in vitamins and minerals? _________________

QUESTION 44
What is the main nutrient in foods found in group B? _________________

QUESTION 45
The person who investigates complaints against the government by individuals or organisations is called an _____________.

PART C:            EXTENDED RESPONSE            5 MARKS

QUESTION 46

The following symbols represent the five major religions of the world.

<table>
<thead>
<tr>
<th>Major Religions of the world</th>
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<tbody>
<tr>
<td>(Judaism, Christianity, Islam, Hinduism and Buddhism.)</td>
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</table>

Corresponding Symbols

<table>
<thead>
<tr>
<th>Symbols</th>
<th>Name of Religions</th>
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<tbody>
<tr>
<td>I</td>
<td>__________________</td>
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<tr>
<td>II</td>
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<td>V</td>
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END OF EXAMINATION
**Lower Secondary School Certificate Examinations - 2015**

**Personal Development - Answer Sheet**

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**Name**

**School**

**Part A**  (Questions 1 to 25)
Write the letter of your answer next to each question below.

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**Part B**  (Questions 26 to 45)
Write your answer next to each question below.

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<th>26</th>
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**Part C**  (Questions 46 to 50)
Write your answer next to each question below.

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<th>41</th>
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<th>43</th>
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**Answer Sheet Insert**