

AGA KHAN UNIVERSITY EXAMINATION BOARD
HIGHER SECONDARY SCHOOL CERTIFICATE
CLASS XII
MODEL EXAMINATION PAPER 2023 AND ONWARDS
Psychology Paper II
Time: 1 hour 30 minutes Marks: 35

INSTRUCTIONS

Please read the following instructions carefully.

1. Check your name and school information. Sign if it is accurate.

I agree that this is my name and school.
Candidate's Signature

RUBRIC

2. There are SEVEN questions. Answer ALL questions. Questions 6 and 7 offers TWO choices. Attempt any ONE choice.
3. When answering the questions:

Read each question carefully.
Use a black pointer to write your answers. DO NOT write your answers in pencil.
Use a black pencil for diagrams. DO NOT use coloured pencils.
DO NOT use staples, paper clips, glue, correcting fluid or ink erasers.
Complete your answer in the allocated space only. DO NOT write outside the answer box.
4. The marks for the questions are shown in brackets ().
5. You may use a scientific calculator if you wish.

Q.1. (Total 3 Marks)

Alisha is a college student who is taking a developmental psychology class. She has learned a lot about development, particularly, about the way that people grow and change as they age. She thinks about her life so far and realises that she has developed quite a bit! As a baby, she could not walk or talk or do much of anything.

Then, as she grew, she learned how to walk, run, and jump rope¹. She was able to talk and learned how to express her thoughts and tell people what she wanted. She learned how to recognise when she was feeling sad or lonely and how to deal with those emotions.

As a teen, Alisha learned more complex things like algebra and critical thinking². She also learned how to think about others' needs, as well as her own, and to recognise that just because she wants something, it does not mean that she will get it.

As Alisha now transitions into adulthood, she realises that there is still a lot of development for her to do. She will learn how to be in a healthy, marital relationship. She will become a mom and grow into the role of a caretaker and a responsible citizen³. Her career will take off as she navigates more and more complex and demanding roles at work.

Associate the underlined phrases with the types of development Aisha has undergo.

Q.2.

(Total 3 Marks)

Apple, a mobile phone company, has made it a point to highlight the key features of their latest iPhone model. They highlight the phone's superior performance, camera quality, privacy and many other factors that sets their product apart. One way Apple does this is by sending ordinary users between the age of 18 to 35 out into the world to capture pictures and videos of the nightlife in extraordinary places. The television advertisements show how the features of the camera work and how these pictures can be taken by anyone, as long as it is on an iPhone.

With reference to the given situation, identify the following factors of persuasion.

- Source of the message
- Message itself
- Target audience

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Q.3. (Total 4 Marks)

Study the SWOT analysis of a grade XII student.

Strength	Weakness
Interested to learn new things Can associate well with people Has a strong mental support in terms of family Love for sports	Gets overwhelmed with expectations Struggles with spoken English language Needs constant reassurance of love/ care/ work Inability to stay alone for a long period of time
Opportunity	Threat
Multiple areas to explore after grade XII Offered scholarships from different universities	Financial constraints City law and order situation

With reference to the given SWOT analysis, suggest any FOUR steps to use the strength to overcome the weaknesses.

Q.4. (Total 2 Marks)

Explain any TWO impacts of physical exercise on the mental health of an individual suffering from depression.

Q.5.

(Total 3 Marks)

Maria is seventeen years of age and has been on multiple diet plans, since she was in middle/ secondary school. She recently lost 10 pounds from an already slender frame after becoming a strict vegetarian. Her parents are concerned about the weight loss, but Maria insists that she is just under stress at school. Meanwhile, her vegetarian diet is becoming stricter day by day.

Maria obsessively counts calories, measures food portions and weighs herself at least twice a day. She refuses to eat at restaurants, in the school cafeteria, or anywhere else in public. She lives on salad dressed with vinegar, rice cakes, and sugar-free Jell-O. Maria also has a large stash of fat-free candy in her room. She allows herself to indulge in candy only when she goes for a run.

With reference to the given case study,

- i. identify the eating disorder that Maria. (1 Mark)
- ii. give TWO reasons to support your identification in part i. (2 Marks)

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Q.6. (Total 10 Marks)

EITHER

- a. Subject V is a 27-year old female who was brought to a physician as she was sweating profusely and was tightly holding her friend's hand. She had tightly shut her eyes and was repeating 'I will meet with an accident' repeatedly. She was a thyroid patient, thus was given a light sedative and was referred to a counsellor. On her visit to the counsellor, she seemed calmed and collected till the time she was asked to enter a lift, the counsellor noted that she started darting her eyes left to right and vice versa, also there was a sheen of sweat on her face. She mildly asked if she could take the stairs. Hearing this, the counsellor smiled and guided her towards the staircase. She exhaled loudly and walked up to the room. When asked, she confessed that whenever she sees a lift, she gets afraid. When probed further, she shared that as a child she had lost her mother in a lift accident and feels that the same will happen to her. While talking, at times, she repeatedly opened and closed the zip of her bag and was nervous throughout. The subject has been a good student and has recently completed her MPhil and claims that her father wants her to do PhD as she would be the only female in her family to do that.

- Following is the family history of Subject V:
- Father: A single-parent, works full time. He is physically well, but still feels the loss of his wife.
- Mother: Died at an early age of the subject.
- Siblings: Only child

With reference to the given case study,

- i. mention any TWO causes that could be the reason for Subject V's mental disorder. (2 Marks)
- ii. identify the disorder that the subject has been facing and its type. (1 Mark)
- iii. mention any THREE MAJOR symptoms that led you to the identification. (4 Marks)
- iv. classify each symptom that you have identified as cognitive, physiological and behavioural. (3 Marks)

OR

- b. Maria is a 21-year-old student, in her final year of university and is struggling to meet deadlines. Over the past few weeks her family and friends have noticed increasingly unusual behaviours. On many occasions they have overheard her whispering in an agitated voice. Lately, she has refused to answer or make calls on her cell phone, claiming that if she does it will activate a deadly chip that was implanted in her brain by evil aliens.

Despite many attempts she has refused to see the doctor. She has accused her family and friends on several occasions of conspiring with the aliens to have her killed so they can remove her brain and put it inside one of their own. She has stopped attending classes altogether. She is now so far behind in her coursework that she will fail if something does not change very soon.

With reference to the given case study,

- i. identify the psychological disorder that Maria is suffering from. (1 Mark)
- ii. mention any THREE symptoms from the given situation to support your identification. (3 Marks)
- iii. explain any THREE possible causes of the identified disorder in part i. (6 Marks)

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Q.7.

(Total 10 Marks)

EITHER

- a. Due to increase in the disease of diabetes, the local community arranged a glucose testing facility for different age groups.

Following was the data collected regarding the glucose level before meal (fasting) in mmol/L:

6	8	10	4	13	8	5	14	4	11
9	7	6	10	13	6	9	10	12	12
11	8	7	4	5	6	9	10	12	11

Consider that a fasting blood sugar level less than 5 mmol/L is normal. Sugar level from 5 to 7 mmol/L is considered prediabetes. 8 mmol/L or higher is considered as diabetes.

The mean, median and mode of the given grouped data is 8.8, 8.75 and 6.3 respectively.

- What level of measurement can the given variable be classified with? Give reason. (2 Marks)
- Which measurement of central tendency would be MOST appropriate to report in the given situation? (1 Mark)
- According to the given data, is the community safe from the threat of diabetes or not? Give reason. (2 Marks)
- Draw a frequency polygon from the given data, the interval should be with reference to the given three criteria for sugar level. (4 Marks)
- How many people in the community are already suffering from diabetes? (1 Mark)

OR

- b. Following is the percentage score of students in the sociology mid-term examination

¹ 58	² 45	³ 90	⁴ 58	⁵ 60	⁶ 76	⁷ 67	⁸ 89	⁹ 67	¹⁰ 56
¹¹ 58	¹² 56	¹³ 76	¹⁴ 47	¹⁵ 94	¹⁶ 40	¹⁷ 65	¹⁸ 56	¹⁹ 76	²⁰ 87
²¹ 87	²² 43	²³ 55	²⁴ 66	²⁵ 38	²⁶ 45	²⁷ 87	²⁸ 45	²⁹ 87	³⁰ 56

The mean, median and mode of the given data is 66.5, 63.38 and 59.5 respectively.

With reference to the given information,

- state the structure of the curve by looking at the given measures of central tendency. (1 Mark)
- arrange the following students in two groups: one that needs extra classes and the other who does not. (Note: Use the number on the top left corner to classify the students). (2 Marks)
- mention the reason for the division in the group. (1 Mark)
- state the performance of the class in sociology? Also determine the measure of central tendency you would consider by giving ONE reason to support your determination. (3 Marks)
- elaborate the structure of the data with reference to the normal curve if the standard deviation of this data is 14.5. (3 Marks)

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