Question 1: Please refer to the underlined (Q1) in the text. Please answer how AI implemented in the field of medicine.

- AI is mainly implemented in image recognition, such as in radiographic and pathologic diagnoses.
- AI is implemented in diagnosing medical images, such as radiologic, pathologic, and endoscopic images.

Question 2: Please refer to the underlined (Q2) in the text. Please select the 5-year survival rate of GC. Choose one number from the following.

Answer. (1)

1. better than 95%
2. approximately 80%
3. approximately 65%
4. worth than 35%

Question 3: Please refer to the underlined (Q3) in the text. Please explain what are the reasons why the development of a CAD system for GC considered challenging?

- Because it requires a large number of GC images.
- Because early stage GC images are rarely available, partly because it is difficult to diagnose gastric cancer during the early stages. Additionally, the training image data should be of a sufficiently high quality to conduct proper CAD training.

Question 4: Please refer to the underlined (Q4) in the text. Please select the word that is closest meaning to "affordability." Choose one number from the following.

Answer. (2)

1. look attractive
2. cost-effective
3. political
4. complicated

Question 5: Please refer to the underlined (Q5) in the text. Please explain what is the first CADx system for determining gastric lesions in EGDS (esophago-gastro-duodenoscopy) images?

・CADx system for determining the presence of Helicobacter Pylori (HP) infection.

Question 6: Please refer to the underlined (Q6) in the text. Please explain the meaning of "false-negative for GC in a screening endoscopy." Choose one number from the following.

Answer. (3)

1. It looks malignant under the endoscopy and was finally diagnosed with GC.
2. It looks malignant under the endoscopy but was finally diagnosed with benign disease.
3. It looks benign under the endoscopy but was finally diagnosed with GC.
4. It looks benign under the endoscopy but was finally diagnosed with benign disease.

Question 7: Please explain what is Helicobacter pylori (HP) referring to the text?

・HP infection is one of the most important risk factors for gastric cancer (GC).
・HP infection causes atrophic gastritis.
・Eradication of HP has been suggested to decrease the incidence of GCs,

Question 8: Please refer to the underlined (Q8) in the text. Please describe what are problems with "low specificity," when we promote the social implementation of AI.

・Low specificity leads to an increase in over diagnosis, leading to an increase in unnecessary additional tests, such as biopsies, which may increase medical costs and morbidity.

Question 9: Please refer to the underlined (Q9) in the text. Please describe what are the "multifaceted approaches"?

・Tumor invasion depth prediction, prediction of HP infection, and monitoring examination quality.