**NATIONAL
SENIOR CERTIFICATE**

GRADE 11

NOVEMBER 2022

ENGLISH HOME LANGUAGE P1
(EXEMPLAR)

MARKS: 70

TIME: 2 hours

This question paper consists of 15 pages.

INSTRUCTIONS AND INFORMATION

1. This question paper consists of THREE sections:

SECTION A:	Comprehension	(30)
SECTION B:	Summary	(10)
SECTION C:	Language in Context	(30)

2. Read ALL the instructions carefully.

3. Answer ALL the questions.

4. Start EACH section on a NEW page.

5. Rule off after each section.

6. Number the answers correctly according to the numbering system used in this question paper.

7. Leave a line after each answer.

8. Pay special attention to spelling and sentence construction.

9. Suggested time allocation:

    SECTION A: 50 minutes
    SECTION B: 30 minutes
    SECTION C: 40 minutes

10. Write neatly and legibly.

SECTION A: COMPREHENSION

QUESTION 1: READING FOR MEANING AND UNDERSTANDING

Read TEXT A and TEXT B and answer the questions in your own words as far as possible.

TEXT A

A.I. VS HUMAN INTELLIGENCE

1   Artificial Intelligence has come a long way from being a component of science fiction to reality. Today, we have a host of intelligent machines, like self-driving cars, smart virtual assistants, chatbots, and surgical robots, to name a few.

2   While Artificial Intelligence (A.I.) seeks to design and create intelligent machines that can perform human-like tasks, one cannot help but think, "Is Artificial Intelligence sufficient in itself?" Perhaps the biggest fear is that A.I. will 'replace' humans and outsmart them in a few years. Although A.I. is highly advanced – now that machines can learn from experience and make smart decisions – A.I. cannot function optimally without relying on innately human attributes like human intuition.   5

3   Artificial Intelligence is a branch of Data Science that focuses on building smart machines capable of performing a wide range of tasks that usually require human intelligence and cognition[1]. These intelligent machines are imbued with learning from experience and historical data, analysing their surrounding environments, and performing the befitting actions.   10

4   A.I. is an interdisciplinary science that leverages concepts and tools from multiple fields like computer science, cognitive[2] science, linguistics, psychology, neuroscience, and mathematics.   15

5   Human Intelligence refers to humans' intellectual capability that allows us to think, learn from different experiences, understand complex concepts, apply logic and reason, solve mathematical problems, recognise patterns, make inferences and decisions, retain information, and communicate with fellow human beings. What makes human intelligence unique is that it is backed by abstract emotions like self-awareness, passion, and motivation that enable humans to accomplish complex cognitive tasks.   20

6   While Human Intelligence aims to adapt to new environments by utilising a combination of different cognitive processes, Artificial Intelligence aims to build machines that can mimic human behaviour and perform human-like actions. The human brain is analogous[3], but machines are digital.   25

7   Humans use the brain's computing power, memory, and ability to think, whereas A.I.-powered machines rely on data and specific instructions fed into the system. Human Intelligence is all about learning from various incidents and past experiences. It is about learning from mistakes made via a trial-and-error approach throughout one's life. Intelligent thought and intelligent behaviour lie at the core of Human Intelligence. However, Artificial Intelligence falls behind in this respect – machines cannot think.   30

    35

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8   They can learn from data and through continuous training, but they can never achieve the thought process unique to humans. While A.I.-powered systems can perform specific tasks quite well, it can take years for them to learn a completely different set of functions for a new application area.

9   The Artificial Intelligence vs. Human Intelligence debate isn't a fair one. Although A.I. has helped develop intelligent machines that can outperform humans in some respects, they have yet to go a very long way to match the human brain's potential. Although A.I. systems are designed and trained to mimic and simulate human behaviour, they cannot make rational decisions like humans. The decision-making power of A.I. systems is primarily based on events, the data they're trained on, and how they are related to a particular event. A.I. machines cannot understand the concept of 'cause and effect' simply because they lack common sense. Nick Burns, an SQL Services Data Scientist, puts it quite well: "No matter how good your models are, they are only as good as your data …". Humans possess the unique ability to learn and apply their acquired knowledge in combination with logic, reasoning, and understanding. Real-world scenarios require a holistic, logical, rational, and emotional approach that is specific to humans.   40 45 50

10   Right now, A.I. is still developing and advancing. The time required to train A.I. systems is considerably high, which isn't possible without human intervention. Be it autonomous cars and robots, or sophisticated technologies like natural language processing and image processing, they all rely on human intelligence. Presently, automation[4] is the leading A.I. application that's penetrating the industry rapidly. In a 2018 report by the World Economic Forum, the Swiss Think Tank predicted that by 2022, A.I. would displace 75 million jobs globally while also creating 133 million new jobs. The new job profiles will demand Data Science specific skills like knowledge of Mathematics and Statistics and Machine Learning algorithms, proficiency in programming, data mining, data wrangling, software engineering, and data visualisation. It is the domain knowledge and versatile skillset of such experts that create value out of Big Data[5].   55 60 65

11   A.I. is an invaluable tool shaping the industry, and automation, coupled with intelligent workflow, will be the norm across all sectors in the near future. And while A.I. has mastered intelligent behaviour quite well, it cannot mimic a human's thought process. Since scientists and researchers still don't know the mystery behind the human thought process, it is highly unlikely that we'll create machines that can 'think' like humans anytime soon. To conclude, the future of A.I. will be governed mainly by human abilities. It will be complemented by human intelligence and cognizance.   70
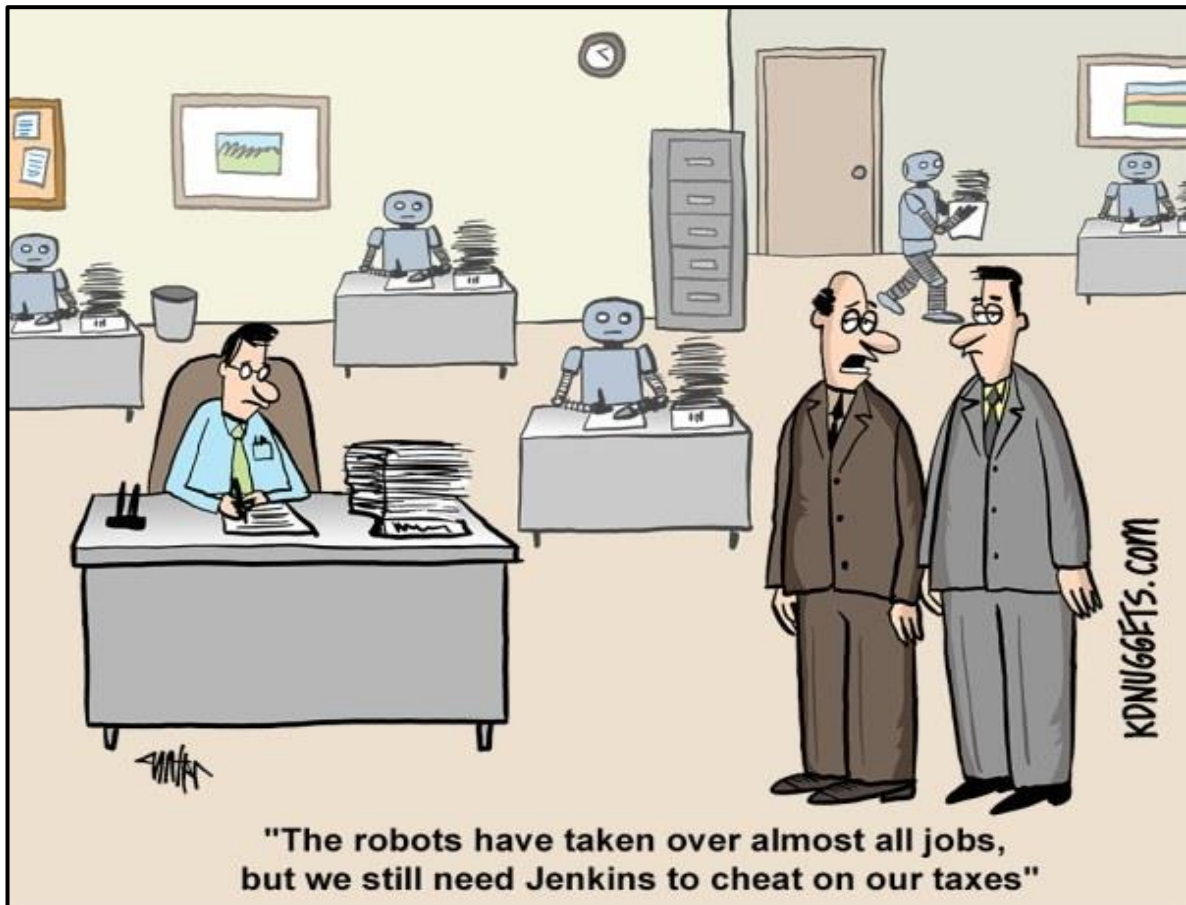
[Adapted from https://www.upgrad.com/blog/ai-vs-human-intelligence/]

Glossary:

[1] **cognition** – the mental action or process of acquiring knowledge and
             understanding through thought, experience and the senses.
[2] **cognitive** – relating to cognition
[3] **analogous** – comparable in certain respects, typically in a way which makes
             clearer the nature of the things compared
[4] **automation** – the use or introduction of automatic equipment in a
             manufacturing or other process or facility
[5] **Big Data** – a field that treats ways to analyse, systematically extract
             information from, or otherwise deal with data sets that are too
             large or complex to be dealt with by traditional data-processing
             application software.

AND

TEXT B

[Source: Google]

QUESTIONS: TEXT A

1.1 Refer to paragraph 1.

Using your own words, prove that A.I. 'has come a long way' (line 1). (2)

1.2 Refer to paragraph 2.

In your own words, suggest a reason for humans' 'fear' that 'A.I. will "replace" and outsmart them in a few years.' (lines 6–7) (2)

1.3 Refer to paragraph 3.

Provide an outline of the way in which machines classified as Artificial Intelligence perform. (3)

1.4 Refer to paragraph 4.

Is the following statement TRUE or FALSE? Quote FOUR consecutive words to prove your answer.

The field of Artificial Intelligence is uniquely specialised. (1)

1.5 Refer to paragraph 5.

Identify TWO similarities between the functioning of the human brain and that of A.I.. (2)

1.6 The author of TEXT A is of the opinion that Human Intelligence is 'unique' (line 22).

Quote ONE word from paragraph 2 which identifies the element which Human Intelligence possesses, but which is absent from Artificial Intelligence. (1)

1.7 Refer to paragraph 6.

Explain which distinct human abilities make the human brain 'analogous' (line 28). (3)

1.8 Refer to paragraphs 2 (line 8-9) and paragraph 7.

The author is of the opinion that A.I 'can learn from experience and make smart decisions.' Compare the way Human Intelligence works with the way A.I. 'thinks'. (3)

1.9 Refer to paragraph 10.

Predictions have been made that 'A.I. would displace 75 million jobs globally while also creating 133 million new jobs.' (lines 60–62).

Comment on these unexpected statistics. (2)

1.10   Refer to paragraph 10.

'Right now, A.I. is still developing and advancing.' (line 54)

Discuss the golden opportunity available to prepare for the job market if people make the necessary mind shift.   (3)

1.11   In your opinion, is automation in industry truly 'an invaluable tool' (line 67)?   (2)

QUESTION: TEXT B

1.12   Study the body language of the man on the right (the man being addressed).

What does his body language suggest about his reaction to his colleague's statement?   (2)

QUESTION: TEXT A AND TEXT B

1.13   'The robots have taken over almost all jobs, but we still need Jenkins to cheat on our taxes.'

Critically discuss to which extent this statement by the speaker in TEXT B confirms paragraph 9 of TEXT A.   (4)

TOTAL SECTION A: **30**

SECTION B: SUMMARY

QUESTION 2: SUMMARISING IN YOUR OWN WORDS.

Scientists are endeavouring to manufacture lonsdaleite, a hexagonal diamond, in a laboratory. Read TEXT C and write a cohesive argument to convince fear-mongers that lonsdaleite will not easily replace gem diamonds in people's hearts and minds or in industry.

1. Your article should include SEVEN points and NOT exceed **90 words**.
2. You must write a fluent paragraph.
3. You are NOT required to include a title for the summary.
4. Indicate your word count at the end of your summary.

TEXT C

NEW CRYSTAL PRODUCED WITH GUNPOWDER IS STRONGER THAN DIAMONDS

Diamonds may be a girl's best friend because of their shine and glam, but they are also helpful in practical ways. The super strong mineral is used as an industrial abrasive, on the edges of cutting tools, or on ultra-powerful drill bits.

Whether they are used for adornment or tools, diamonds aren't cheap. Scientists have long hoped to find a way to create a material that is as strong as diamonds. Now they may have something better.

It is believed that lonsdaleite diamonds, also referred to as hexagonal diamonds, are even stronger than diamonds. The rare six-sided crystalline mineral has seldom been found in nature – generally only at meteorite impact sites — and only in sample sizes that are too small to be measured. Its exact hardness remained unknown – until now.

Researchers from Washington State University's Institute for Shock Physics have developed hexagonal diamonds large enough to study in a lab and test their stiffness and hardness.

A diamond is unique. It is not only the strongest known material — it has beautiful optical properties and a very high thermal conductivity. Now scientists have made the hexagonal diamonds, produced under shock compression experiments, that are significantly stiffer and stronger than regular gem diamonds.

Using gunpowder and compressed gas, the team launched dime-sized graphite disks at a transparent material at 15,000 miles per hour. Upon impact, shock waves coursed through the disks, transforming them into lonsdaleite. Sound travels more quickly via stiffer materials. So the researchers generated a small sound wave shortly after impact and used lasers to track its progress through the diamond. The lonsdaleite proved to be stiffer than a diamond.

Since more rigid materials are generally harder and more resistant to scratching, scientists concluded that a lonsdaleite diamond is stronger than a gem diamond by 58%, which is a new record.

We don't need to worry that lab-created super-diamonds will make our precious jewels seem dull. The lonsdaleite diamond only lasted a few nanoseconds before the high-velocity impact obliterated the gem — just long enough for the team to get their measurements. If they can manage to keep them around longer, the rare, fleeting nature of lonsdaleite diamonds could make them more valuable than cubic zirconias (synthetic diamonds), but gem diamonds are destined to remain the most prized jewels.

[Source: https://bigthink.com/surprising-science/crystal-lonsdaleite-stronger-diamond]

TOTAL SECTION B: 10

SECTION C: LANGUAGE IN CONTEXT

QUESTION 3: ANALYSING ADVERTISING

Study the advertisements (TEXTS D and E) below and answer the set questions.
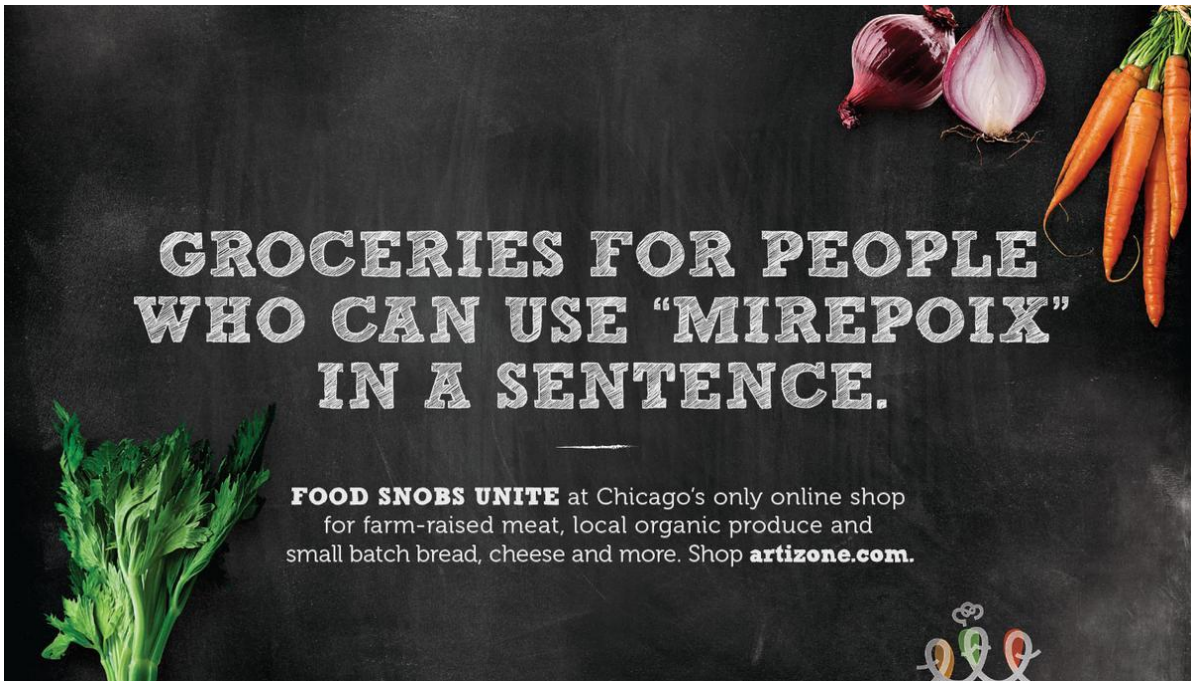
TEXT D

[Source: Google]

> <u>Copy of TEXT D reads as follows</u>:
>
> GROCERIES FROM CHICAGO'S FAVORITE ARTISANS. NOW THEY COME TO YOU.
>
> Shop online for hand-cut meats, farm fresh produce and more at artizone.com
> Enter code **'CHICKEN'** at checkout for **20% OFF** your first order.

TEXT E

Copy of TEXT E reads as follows:

GROCERIES FOR PEOPLE WHO CAN USE "MIREPOIX"[1] IN A SENTENCE.

FOOD SNOBS UNITE at Chicago's only online shop for farm-raised meat, local organic produce and small batch bread, cheese and more. Shop **artizone.com**.

Glossary:

[1]**Mirepoix** – the aromatic flavour base made by lightly cooking onions, celery and carrots.

QUESTION: TEXT D

3.1   Explain how the inclusion of the image of the chicken conveys the advertiser's
       message.   (2)

QUESTIONS: TEXT E

3.2   Comment on the impression that the inclusion of words like 'farm-raised' and
       'organic' are intended to create in the minds of the readers.   (2)

3.3   'GROCERIES FOR PEOPLE WHO CAN USE "MIREPOIX" IN A SENTENCE.'

       Identify the advertising technique used and comment on the effectiveness of
       this advertising technique.   (3)
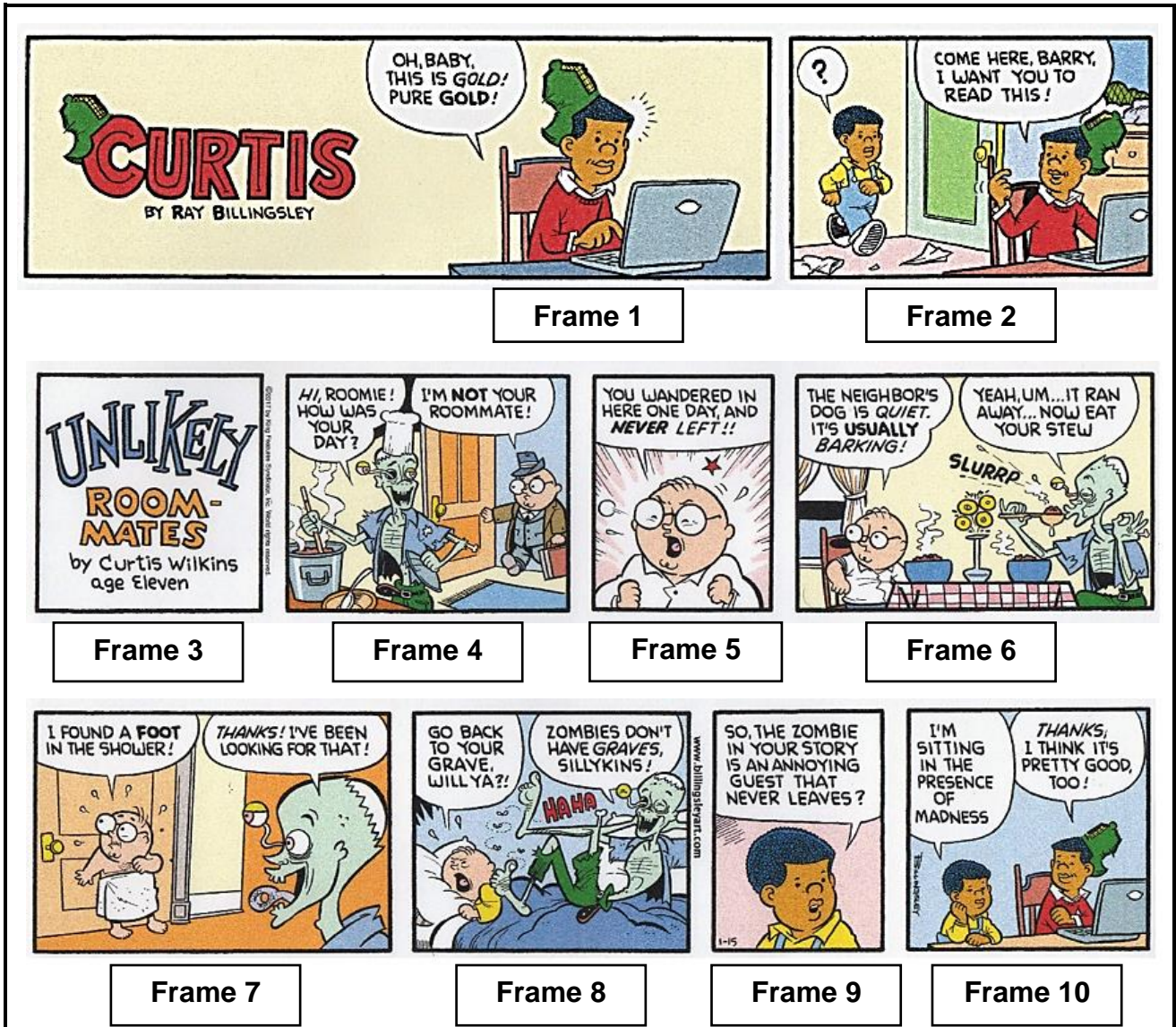
QUESTION: TEXT D AND TEXT E

3.4   Critically discuss which of these two advertisements is more successful.   (3)
                                                                                      [10]

QUESTION 4: UNDERSTANDING OTHER ASPECTS OF THE MEDIA

Study TEXT F and answer the set questions.

TEXT F: CARTOON

QUESTIONS: TEXT F

4.1   Refer to Frame 3.

      How does Frame 3 explain Frames 4–8?   (2)

4.2   Refer to Frame 5.

      Discuss how the character's body language reinforces the tone that is evident in
      his words?   (3)

4.3   Refer to Frame 6.

      Explain how the zombie's use of 'Yeah, um …' contributes to the humour in the
      cartoon by creating dramatic irony.   (3)

4.4   The <u>Oxford Learner's Dictionary</u> defines 'madness' as:

> madness, n. /'mædnəs/ 1. (old-fashioned) the state of having a serious mental illness; there may be a link between madness and creativity; 2. Crazy or stupid behaviour that could be dangerous; it would be sheer madness to trust a man like that; in a moment of madness, she had agreed to go out with him.

Refer to Frame 10.

Compare Barry's and Curtis's interpretations of the word, 'madness' by referring to the dictionary extract.   (2)

[10]

QUESTION 5: USING LANGUAGE CORRECTLY

Read TEXT G, which contains some deliberate errors, and answer the set questions.

TEXT G

HOW ARIANA GRANDE SCORED TWO NUMBER ONE ALBUMS IN JUST SIX MONTHS

1.   "Ariana Grande is with vocals like Jimi Hendrix was with a guitar," says Savan Kotecha, who has built an exceptional career as a songwriter. He has worked on every Ariana Grande album since 2014, when he first sat down with her to discuss songs that would later appear on *My Everything*, including the just-released *Thank U, Next*, which debuted at Number One and set a personal best first-week sales number for the singer.   5

2.   *Rolling Stone* asked him what had allowed her to build her career to the point where everything she touched was a hit, he had some revealing insights.

3.   "She's super inteligent. She learns fast. And she's brave – things have happened in her life, and she could've run away from them. But she was brave   10
enough to say, I'm going to talk about it. Fans want to know about the artists they love. She offers that. After the unfortunate tragedy she's been through, to be an open book with it, is bold. When I listen to this album, you learn about her. This to me is the first album of hers that I feel like you can listen to and really get to understand her. '*Breathin*' was written on a day she was having   15
panic attacks. I saw a turning point where she said, 'I'm just going to go for it and write the lyrics about this.'

4.   She also loves being in the studio – a lot of artists don't. She loves the process of doing it until it's right. Sometimes people get frustrated with the way me and Max and Ilya do things: if it's not good enough, we keep fighting to achieve the   20
best version. She's become a part of that thinking with us as well.

[Adapted from https://www.rollingstone.com]

QUESTIONS: TEXT G

5.1   Refer to BOTH line 1 ('Ariana Grande is with vocals like Jimi Hendrix was with a guitar') AND lines 14–15 ('This to me is the first album of hers that I feel like you can listen to and really get to understand her.')

      Identify and rewrite the part of the sentence which contains a simile.   (1)

5.2   Correct the comma splice error in paragraph 2.   (1)

5.3   Identify and correct the spelling mistake that occurs in lines 9–12.   (1)

5.4   Refer to lines 10–11: 'But she was <u>brave</u> enough'.

      Quote a synonym for the underlined word which is used elsewhere in the paragraph.   (1)

5.5   Refer to lines 12–13: 'to be an open book'.

      Explain the meaning of this idiom.   (1)

5.6   Refer to line 14: 'the first album of hers'.

      Rewrite this phrase to eliminate the clumsy expression.   (1)

5.7   Refer to lines 16–17: 'I'm just going to go for it and write the lyrics about this.'

      Rewrite this sentence in Reported Speech.

      Start your answer with: She said …   (2)

5.8   Refer to lines 19–20: 'Sometimes people get frustrated with the way me and Max and Ilya do things'.

      Rewrite this sentence, correcting the grammatical error.   (1)

5.9   Refer to lines 20–21: 'we keep fighting to achieve the best version'.

      Is this expression meant literally or figuratively?   (1)

                                                                   [10]

                     TOTAL SECTION C: **30**
                                GRAND TOTAL: **70**