

2023 JC2 GP Paper 2 Prelims Suggested Answer Scheme

1. In paragraph 1, what similarities do bees and humans share and what makes humans different from bees? Use your own words as far as possible. [3]

Text	Banned words	Suggested Answer
(Bees)...creating a sophisticated network for <u>sharing knowledge</u> and <u>coordinating collective action</u> which maintains the overall functioning of their colony. Much like these industrious insects, we too, are constantly <u>engaged in the transmission of ideas and insights</u> , allowing us to <u>work together</u> to achieve <u>common goals</u> .	Sharing Knowledge Transmission Ideas Insights Coordinating Collective "work together" "common goals"	a) Both bees and humans continually exchange/transfer/communicate information/discoveries/data b) and collaborate/cooperate OR b) strive/supporting each other for shared objectives Note: "common goals" has to be captured in answer for (b) 1pt = 1m
(Bees)...creating a sophisticated network for sharing knowledge and coordinating collective action which <u>maintains the overall functioning of their colony</u> . As humans, unlike bees, our uniqueness lies in our ability to harness information <u>to innovate and reshape the physical world</u> .	Maintains functioning Innovate Reshape	<u>Status quo vs Change</u> c1) Bees are exchanging information to keep their colony running smoothly/ensure the daily operations of the colony whereas c2) humans use information to churn out new ideas/create new things OR c2) improve the environment/surroundings. DNA: If students simply state "but bees do not" or "but bees are unable to" c1+c2 = 1m

2. Explain what the author means by "not all media are created equal" (line 17). [2]

Text	Suggested Answer
Notably, (a) not all (b) media are (c) created (d) equal ; they can be so vastly diverse in form, influence, and reach.	(a) Different/various/some/many (Plurality but not absolute) channels/platforms of (b) mass communication (c) are designed / made (d) different/various/better levels of form, influence/power and reach Note: Difference in influence/reach/power/impact/strengths should be captured to show understanding of media being "unequal" (d). Simply stating "difference in form" is insufficient. 2-3 point = 1m 4 points = 2m

3. Suggest a type of book that the author is referring to in lines 18-19 and explain how it illustrates the author's point that such a book is "expensive to produce"? [2]

Text	Suggested Answer
For example, in print media, books are durable and	a) Encyclopaedia, textbook, dictionary, biography, autobiographies, history book, historical fiction/non-fiction 1 mark

able to contain lots of facts but are expensive to produce.	<ul style="list-style-type: none"> Note: Fiction or items that are not a book (ebooks/Research Papers/Journal articles) cannot be credited for both (a) and (b) Note: Non-fiction Book titles/hard covers/physical books/information book/factual books cannot be credited for (a) but (b) can be considered.
	<p>[A lot of Facts] b1) Such books take <u>more/a lot of</u> time/effort to research/factcheck/edit OR have <u>more/a lot of</u> pages/illustrations/coloured pages (Therefore, it requires more money.)</p> <p style="text-align: center;">OR</p> <p>[Durability] b2) Such books use good/better quality paper/binding/materials/printing OR lamination OR hardcover (Therefore, it requires more money.)</p> <p>Either b1 or b2 = 1 mark</p>

5. Explain how the author uses the concept of 'personbyte' to illustrate the idea that "empowerment multiplies only when we share it" (lines 49-50). Use your own words as far as possible. [2]

Text	Banned words	Suggested Answer
Indeed, having access to information gives us power and this empowerment multiplies only when we share it. By sharing knowledge, we can build on what came before. To illustrate this, think of our economy – the sum of all our interactions as a society – as a computer; each person within the economy is a personbyte. Each personbyte can (a) merely accumulate a limited amount of knowledge and know-how. We all know, however, that teamwork makes the dream work. If this individually (b1) accumulated information is combined , the (b2) collective wisdom grows exponentially .	<p>Merely Accumulate Limited</p> <p>Combined collective</p> <p>grows exponentially</p>	<p>(a) Each person can gather a fixed / finite / certain amount of information / small bits of information</p> <p>(b1) Once they are connected/consolidated</p> <p>(b2) (group) knowledge can be greatly expanded / increased quickly.</p> <ul style="list-style-type: none"> Note: Rate and/or Scale of increase needs to be captured DNA: More increase in knowledge / increase in expansion <p style="text-align: center;">OR</p> <p>(b2) allow everyone/many people in society to learn and gain new knowledge.</p> <ul style="list-style-type: none"> Note: Award for Large Scale gain in knowledge DNA: <u>more</u> people <p>(a) = 1m (b1+b2) = 1m</p>

6. Give three ways from paragraph 6 which show how willingness to share information is beneficial to the public. Use your own words as far as possible. [3]

Text	Banned Words	Suggested Answer
The (a2) effectiveness of <u>disease control</u> in the population, for example, crucially depends on the willingness of individuals to (a1) report a suspected illness to health authorities. (L57-59)	<p>Effectiveness control</p> <p>suspected</p>	<p>(a2) The success of the government's health/public health measures/ ability to contain viruses from spreading within the country</p> <p>(a1) depends on individuals' willingness to report a possible sickness/virus.</p> <p style="text-align: center;">OR</p> <p>(a1) Willingness of the public to report a possible sickness/virus</p> <p>(a2) helps/enables governments to come up with measures to contain the virus from spreading/ to better prepare to deal with an outbreak of a virus.</p>

		Note: Do not accept “health industries” for “health authorities” as the prior may include pharmaceutical companies
Likewise, the (b2) accuracy of policy measures critically depends on individuals’ willingness to (b1) share their personal data such as age, gender, race and marital status. (L60-63)	Accuracy Policy measures personal	(b2) The precision/suitability of government’s solutions (b1) is highly contingent on individuals’ willingness to share their private/confidential/sensitive information . OR (b1) Willingness individuals to share private/confidential/sensitive information (b2) helps governments to tailor solutions/be more directed in their solutions/come up with better solutions to address the [social] concerns .
Additionally, the (c2) exactness of traffic information depends on individuals’ willingness to (c1) share their present whereabouts (L62-63)	Exactness Traffic Present whereabouts	(c2) The detailedness/accuracy of road conditions depends on individuals’ (c1) willingness to share the immediate/current location . OR (c1) Willingness of drivers to share immediate/current location (c2) allows for updated information of road conditions
and (d2) criminals can now be swiftly caught with the (d1) help of different eyewitness accounts . (L65-64)	Criminals Swiftly caught eyewitness	(d2) Wrongdoers/Felons/People who break the law can be arrested/identified/apprehended quickly (d1) when people come forward to offer evidence/give their testimonies/statements . OR (d1) Willingness of people to step forward to give evidence/ give their testimonies/statements when they see a crime being committed (d2) can help the police to identify/apprehend/ arrest law breakers/ felons quickly/ faster/before they commit further crimes . Note: the idea of <u>speed/ease</u> of apprehension is required

7. From lines 68-70, explain how the author uses language to show that information over the Internet is "overwhelming". Use your own words as far as possible. [1]

Text	Suggested Answer
We are drowning in an ever-swelling ocean of words and images , faced with relentless waves of amateur opinions . We are forced to sift through inane comments and misinformed perspectives, hoping to unearth a sliver of quality information.	<p>The author uses (a metaphor) like “drowning” to compare/draw parallels in order to show that the amount of information on the internet is too much for us to deal with/suffocating.</p> <p>Note: the focus should be on the effect on the <u>person</u> OR “relentless waves” OR “ever-swelling ocean” (evocative language) to show <i>images</i> of an ongoing/constant/never-ending flow/flux/barrage of information online. OR “relentless”, “ever-swelling” (choice of words/diction) to show the <i>extent</i> of the flow of information online is never-ending / to show that the information is excessive or too much</p> <ul style="list-style-type: none"> Note: to compare/draw parallels on the extent to which we are surrounded with <u>too much information</u>. Note: Award only if the student quotes the words from the text

8. Explain why the author includes the phrase "yes, it exists" in line 74. [1]

Text	Suggested Answer
The Information Overload Research Group (yes, this exists) has a word for this feeling: infoxication, also known as data smog.	<p>The author <u>wants to address</u> the possible doubt that the readers might have about the incredulousness of an Information Overload Research Group.</p> <p>Or</p> <p>People might have doubts and the author <u>wishes to dispel these doubts /convince/ provide assurance</u> to the reader that the Information Overload Research Group indeed exists.</p> <p>Or</p> <p>The author <u>wishes to inject some humour</u> into the incredulousness of this group's existence.</p> <ul style="list-style-type: none"> Note: answer should show authorial intention and disbelief that the group exists. Note: Context is required. "it" does not count as context. "group" is the minimum context expected.

9. What does 'infoxication' and "data smog" (line 75) suggest about excessive information? [1]

Text	Suggested Answer
The Information Overload Research Group (yes, this exists) has a word for this feeling: infoxication, also known as data smog.	<p>Excessive information causes confusion/ a lack of a clear sense of direction/ a lack of ability to make a (good) judgement /dulls our ability to discern the truth</p> <ul style="list-style-type: none"> Note: Excessive information reduces the ability to discern. Possible outcomes of this inability are the inability make a choice or judgement or making wrong judgement. Note: Context must be a person/individual. Note: "Excessive Information" as a subject must be clear.

10. Identify two ways in which the final paragraph provides an effective ending to the author's argument. [2]

Text	Suggested Answer
Just as bees can get lost and fail to return to their hives without the right guidance, our own interactions can falter without reliable information. Similarly, in our own information-driven society, the consequences of misinformation can lead us astray , hindering our collective progress and understanding. It is time for us to prioritize reliable data and fact-checking so that we can find our way back to truth and unity, ensuring a thriving and interconnected future.	<p>[Purpose/function] reiterate/ restate <u>stand</u>, emphasize <u>stand</u>, summarise author's passage, call to action, give advice, give closure, give hope, final warning, to provide a vision for the future</p> <p>[Context] Reference to any part of the conclusion that logically matches the purpose mentioned.</p> <ul style="list-style-type: none"> ✓ The author [context] uses bees to link back to the introduction [Purpose] to give a sense of completion/closure/cohesion/makes it more memorable ✓ The author is trying to [Purpose] make a call to action by [Context] prioritize reliable data or guard against the consequences of misinformation. ✓ The author is [Purpose] warning/cautioning/leave an impression [Context] by reiterating / emphasizing/ highlighting/repeating the consequences of misinformation. (<i>Simply warning is insufficient as the author has been doing it throughout the passage</i>) ✓ The author is [Purpose] giving hope on how [Context] we can find our way back to the truth and unity when we prioritize reliable data and fact-checking.

	<p>Do not accept:</p> <ul style="list-style-type: none"> ✗ Brings back a comparison of bees and humans, linking back to the introduction, reiterating that accurate information is important. (<i>Wrong context; intro does not discuss the importance of accurate information.</i>) ✗ This is a call to action for us to not consume excessive info. (<i>Wrong context</i>) ✗ Ends with a message that acts as a call to action to provide directions for the reader to take and end the passage on an optimistic tone. (<i>Unclear context</i>) <p>Note: For effectiveness to be shown, it must be linked to the purpose of a conclusion</p> <p>Any two points. 1 point = 1m</p>
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4. Using material from paragraphs 3-4 only (lines 29-48), summarise what the author has to say about how information is powerful.

Write your summary in **no more than 120 words**, not counting the opening words which are printed below. **Use your own words as far as possible.**

Information is power. Firstly, it...

Pt	Passage	Banned words	Paraphrased
1	improves our judgement	improves judgement	<p>make better choices/decisions</p> <p>discern better</p> <p>better decision-making skills</p> <p>DNA: thinking, opinions (does not involve a decision)</p>
2	We use Google to find possible options for our dream house or car.	Google find options	<p>We research for different/new choices</p> <p>DNA: Information gives us choices. (passive; no idea of find – a process)</p>
3	can <u>better</u> manage our own finances	manage finances	<p>enable us to <u>improve</u> on our budgeting skills/money/spending</p> <p>Accept: keep track of, handle, take charge of, monitor</p> <p>DNA: understand our money</p> <p>Note: 'better' needs to be captured but not paraphrased</p>
4	Being able to know our monetary commitments	know monetary commitments	<p>Being aware of our financial obligations</p> <p>DNA: Spendings, spending habits (not a commitment)</p> <p>Note: Commitment to something that one has tied down to has to be captured.</p>
5	can also help to avoid financial embarrassment	avoid "financial embarrassment"	<p>prevents bankruptcy/debts/financial crisis/monetary distress</p> <p>DNA: ashamed of our debts, fiscal humiliation, monetary shame, overspending</p> <p><u>Note: If Point 4 is not attempted, penalize point 5.</u></p>

6	We can speak not just passionately but with knowledge ,	Knowledge Speak	[inferred] We sound smart/intelligent Or We communicate with insight DNA: converse eloquently, talk with clarity/reliability
7	and so have a <u>greater</u> ability to impress our interviewers , or our dreams when articulated this way come across as <u>more</u> convincing, believable, and creditable to the interviewer .	ability impress interviewer articulated convincing believable creditable interviewer	and thus are <u>better</u> equipped to awe the employers Or Ambitions can be conveyed to our employers in a <u>more</u> persuasive manner. Note: 'greater' needs to be captured but not paraphrased. There needs to be clear positive impact on the interviewers
8	making job opportunities otherwise unavailable to us now accessible .	Job opportunities accessible	giving us <u>better/more</u> chances of employment / wider pool of career options / diversity of career options Note: idea of expansion of jobs must be captured
9	There are also healthy mealtime ideas, mental health tips, and mindfulness exercises on TikTok, YouTube, Instagram reels...		[inferred] Videos/Resources / Information from media/online/social media can improve our overall well-being DNA: a literal paraphrase to show that resources are available online. The idea that the resources <u>benefit</u> us must be present.
10	Universal access to information is a basic human necessity in the modern world	basic necessity modern	Having information is crucial/important/a requirement for now/today
11	informed <u>voters</u> are the basis of any functioning democracy.	basis functioning	Informed <u>voters/citizens</u> are fundamental / necessary for a democracy to work/thrive OR <u>Voters/Citizens</u> need/require information to choose their leaders (wisely/properly). Accept: idea of freedom/voting/elections/free societies/free states/choosing leaders for context of Democracy in this passage
12	Information empowers us to hold these <u>leaders</u> accountable for any mismanagement	accountable mismanagement	We can make <u>leaders/politicians</u> answerable/responsible for their mistakes / for their errors OR We can make <u>politicians</u> face the consequences of their errors OR We can make ineffective/incompetent <u>leaders</u> answerable to us. Note: Agency of the people must be captured. • DNA: Information helps make leaders responsible for their actions. (agency is missing) • Accept: Leaders can be held responsible for their actions. (agency implied)

13	Timely access to <u>health</u>-related data	Timely Access	Getting/obtaining/having <u>health</u>-related information at the appropriate juncture/right moment / quickly / speedily Note: To be considered as an attempt – <ul style="list-style-type: none"> • Timely or access is lifted or wrongly paraphrased • Information on health is captured
14	(Timely access to <u>health</u> -related data) can also help <u>leaders</u> keep an eye on disease outbreaks such as SARS, Ebola and Malaria	"keep an eye" outbreaks	Allows the government to supervise / monitor epidemics/pandemics Note: If Point 13 is not attempted, penalize the first correct point 14 & 15.
15	(Timely access to <u>health</u> -related data) improve public health intervention	Improve intervention	<u>Timely access to health-related data can help governments implement better controls/measures/solutions OR solutions quickly</u> Note: If Point 13 is not attempted, penalize the first correct point 14 & 15.
16	Archiving <u>cultural</u> practices	archive practices	Recording/Storing cultural norms/traditions Note: Act of archiving must be captured. DNA: Preserves cultural traditions (considered an attempt)
17	(Archiving cultural practices) protects their <u>culture</u> identities	protects identities	preserves their heritage/traditions/who they are culturally/cultural backgrounds Note: If Point 16 is not attempted, penalize 17.
18	the dissemination of <u>literature, poetry, and music</u> across borders	dissemination borders	the spread of <u>cultural arts</u> internationally Note: To be accepted as context, answer must either summarize or lift all 3 types of art forms.
19	fosters dialogues	fosters dialogues	Encourages/leads to/creates conversation / interaction/exchanges Note: If Point 18 is not attempted, penalize the first correct point 19 & 20.
20	and (fosters) appreciation	appreciation	and (encourages) understanding/enjoyment/interest/respect DNA: gratitude, gratification Note: If Point 18 is not attempted, penalize the first correct point 19 & 20.