

Examiners' Report June 2019

GCE Geography 9GE0 03



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Introduction

This paper produced a very similar range of responses to that of 2018 although with a few new, or at least more noticeable, characteristics in candidate responses that centres may find useful to address. Most of these are question specific but a few are more general and thus addressed here.

Self-evidently, this paper tests a rather different suite of geographical skills than either of the other two written papers, as evidenced by its unique combination of Assessment Objectives (AOs). In one sense the formula is predictable but given that the Resource Booklet is not at all predictable candidates are tested on the portability of their skill set and their underlying geographical understanding of relationships across a wide spectrum of topics. In this paper they were tested on development theory, international trade, plate tectonics, seismic risk and superpowers with a 'side-order' of demographics, cultural identity, recurrence intervals and import substitution industrialisation.

Centres have obviously worked hard to improve candidates' skills in developing arguments in essays and we are making very significant progress in that area. The vast majority of answers to Q05 and Q06 had an introduction, a coherent paragraph structure and a conclusion. Of course, the range of ideas varied very significantly as did the sophistication of the arguments deployed but a few, short years ago essay writing was a much more uncertain skill. There are, nonetheless, a number of habits that need attention. The first is the sprinkling of connective words that are not used correctly. 'However', 'therefore', 'nonetheless' and 'others' feature commonly and suggest that the candidate is about to qualify a previous assertion or statement. That, sadly, is often not the case across with for example 'however' been followed by a wholly new statement or idea. Thus 'Japan is a major trading nation. However, it is also very prone to earthquakes'. In this case the important qualifying element is missing altogether as in ...'which makes it vulnerable to breaks in the supply chain thus challenging its international trading status'. A second and also increasingly familiar device is to employ a type of 'Yes, No, Maybe' style of argument but turn it into a 'Yes, No, Yes, No, Yes, No' series of assertions without the qualifying 'Maybe's' and to do this without offering much evidence for the view taken; a typical example is, 'Japan is a very important trading nation, but this hasn't always been the case and might not be in the future which will make it unstable'. Once again, the point is not developed, and the examiner remains unclear what point is being made. Some candidates have developed the habit of using words that are unhelpful without some accompanying development or exemplification; the last example includes the phrase 'makes it unstable'. It is neither clear what 'it' is nor how this instability might be manifested. A final comment, which will be amplified in the feedback offered for the two long essays (Q05 and Q06) is a lament about the rather limited amount of AO2 towards the lower end of the ability range but, more surprisingly, not exclusively limited to these candidates. This may, of course, reflect limited recall and reasonably enough that will offer a clear discrimination between candidates but it might also be a lack of understanding that such AO2 is vital in order to access the higher levels. The examining team expected rather more along the lines of: 'In Japan...whilst in China/India/Brazil quite different policies have been pursued such as...'. Teachers need to make sure that their candidates appreciate the implications of the AOs for each question.

Question 1

Candidates need to know theories of development from the specification (7.3.c – page 51). Three are identified by name although some centres obviously extend this to both variants of these and by adding others; in this latter group Mackinder's 'Heartland' theory appeared in a significant number of answers. However, many did not know the theories at all, which prevented them from engaging with the question. Others could describe a theory adequately but ignored the focus of the question which was, of course, to explain how the theory helps understand global patterns of power. Many students described theories of development rather than linked the theory to this focus. However, those students that could give a reason for how the theory helped understand patterns of power often found it straightforward to develop their reason and access full marks.

It is worth adding that neither modernisation theory nor dependency theory were fully understood by a substantial number of candidates. The central idea of Rostow's version of modernisation theory is that states need to reform their institutions in order to achieve economic growth – that is the 'theory' which claims that once the legal, financial and administrative institutions are in place industrialisation will follow. Gunder Frank's work on development in Latin America suggested that however much institutional reform took place industrialisation would **not** follow other than in periods when trading relationships between core countries and the periphery were interrupted by war or economic depression. Dependency theory is occasionally presented in a completely different way when candidates suggest that dependency on aid leads to limited economic development in low-income countries. In the context of this specification this is not the 'usual' meaning of dependency but it is a well-known theory and has been articulated widely in recent years. This, and other variations, were perfectly acceptable and indeed rather better than a simple description of the 'stages of economic development' without any obvious explanation about why countries transformed in this manner.

Explain how one theory of development can help an understanding of global patterns of power. (Total for Question 1 = 4 marks)



This answer is typical of the 'partial' Rostow version of modernisation theory which is descriptive but not explanatory. There is some credit here for that and the attempt to link back to the question but the processes are not explored. This response was awarded 2 marks.



Theories have two dominant characteristics – they should be predictive and testable. Models just describe.

Explain how one theory of development can help an understanding of global world Systen theory patterns of power. dellepopment theory Matio Maine ~1901 Mahin an hina helwe (Total for Question 1 = 4 marks) an patter



This answer meets the needs of the question by suggesting that trade and aid play a large part in maintaining power in the core and dependency in the periphery. Obviously, there is more to be said about the details of that relationship but this is a 4-mark question so the depth of the answers will be modest but the points do need to be explanatory and the link back to the question explicit, as they are here with references to 'global patterns of power'. This response was awarded 4 marks.



Don't rewrite questions in your answers. There is no credit for that.

KNENER Explain how one theory of development can help an understanding of global 1 patterns of power. (4) help understand ment can alon (1S MOSK lase Dowel developed be highly become to nas Kurnet Shows CUIVE wer. evelopment that 1.0(11 00 the and can th wough ount DOWE thei OK navt Ø٧ nave INC W



Unlike the previous example this response doesn't describe the processes but just identifies it as 'stages of development' and then suggests that this will have an 'influence' on their power. But we are not told what that influence would be. This response was awarded 0 marks.



If it on the specification you need to know it - have a check list of key terms and key ideas.

Question 2 (a)

Candidates need to be taught to evidence every stage of their working. They must also be very careful not to make negative numbers positive for no reason. As centres look to the future it is important that they have a check-list of statistical methods and techniques that can be legitimately examined. These include some quite straightforward elements which are easy to overlook in the collective eagerness to cover the more complex methodologies. They also need to be aware of the limitations of these techniques because these will often be part of their answer to Q02(b).

Question 2 (b)

For many candidates there is a certain aura of solidity about 'numbers' which makes them uncomfortable when asked to critique them. This weakness is also evident in the Independent Investigations where too many find the evaluation of their results hard to address. In this case candidates need to focus on why the sample might be unreliable. Although many centres teach this well helping candidates think of four good reasons, a minority are not prepared for the way this question focuses on the reliability of the data provided. They tried, instead, to focus on the rest of the question: GDP per capita and military spending as a percentage of GDP. This is not a fruitful approach and led to many misconceptions. Not least the common misconception that GDP per capita does not take into account differences in population size between countries.

In this question it should have been fairly obvious that if one was seeking a general relationship between GDP per capita and military spending taking the richest 12 countries made very little sense. Questioning the reliability or, indeed, the accuracy of GDP per capita figures was also a fruitful approach. In general terms understanding how to sample data is not a strength of candidates; this is also illustrated well by the patchiness of its treatment in Independent Investigations.

(b) Explain why this sample of 12 countries may be an unreliable measure of the (relationship between GDP per capita and military spending as a percentage of GDP. (4) This sample contains the 12 wealthies/richest contries. This makes it an unreliable measure of the relationship because it is firstly not representative nilitary spendi May vary significantly wealthy countries who's Recauseit varying economic development. because p is not representative sample any conclusions drawn cannot be generalisable to countries not sharing similar Overall the table lacks external validity une liable measure of the relationship. (Total for Question 2 = 8 marks)



This response does address the key weakness of the choice of countries and offers enough support for that point. The final comment concerning 'external validity' is unclear but there is enough before that for it not to matter. This response was awarded 4 marks.



Be sceptical about data - some is dodgier than others.

(b) Explain why this sample of 12 countries may be an unreliable measure of the relationship between GDP per capita and military spending as a percentage of GDP.

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This is a sound criticism which is well developed but, in itself, is not comprehensive enough to get beyond 2 marks. There is no need to limit explanation to one thread unless instructed to do so and some points cannot be developed sufficiently, as is the case here.



It is useful to distinguish between reliability and accuracy when criticising data.

Question 3

This was designed to be the easier of the two 'Analyse' questions and so it turned out. As centres are aware this command word is only used on this paper and only on these two questions, Q03 and Q04. Although not always the case, one or other question may very well draw on two or more resources; this year both did this and, in both cases, used maps; hardly unconventional on a geography paper. However, maps and, more particularly, the interpretation of patterns and distributions are not necessarily strengths for all candidates. In reality there has been a reduction in that skill since the advent of satellite navigation systems. On this question the candidates would have profited if they had been trained to use both sources to identify a pattern. In this case the pattern of earthquake concentration in figure 2 can be connected to landforms such as trenches and arcs in figure 1. They must not over evidence this pattern as this is a reasonably short answer question and there are only 4 marks available for that element of their answer. Rather, once they have found a pattern they need to bring in AO1 partially from the booklet, but also from the work they had done in preparing for paper 1, to explain it. There were some useful hints in the text under figure 2. However, high scoring candidates were also able to show off confident and varied knowledge to illustrate the patterns they had described and thus reach Level 3.

A common misconception was that height above sea level had a major impact on the intensity of an earthquake. The depth of an earthquake below the surface as measured in km may well influence the intensity of the waves that reach the surface. A few hundreds of metres variation in surface altitude much less so. A good reminder to teach students to look at the key very closely.

- player - attinudes + Actions - jack of imports maryne? future + uncerteurn **3** Study Figure 1 and Figure 2 in Section A of the Resource Booklet. tectoric plato Analyse the pattern of earthquakes in Japan and its surrounding region. (8)From analysing born frigune 1 and 2, It inages that evident printing eermanakdepth of 0-29 KM ane <u>a</u> JITN men deeper ocean waters IN Jucha nch in the Northeapern JOPO due Japan. Inis 11 paral to and pacific plato neeting as the ducular angle. This conservative pierto α ing 1990 together at defenon: Skeeds bau denections, ineviterbles and nentine na NELEOIH Sermic P toot Juar and re occurrine ni RO DE Elhen 1960-2017 Figure 2 display more than 200 In Tapan as patterns of earshquarker ocure tamqu poore curei mero the Hechni plates were ano as aneas ane ne & MOIT Preshing unone U buul ne subduentin of phashyne on or plates and the peuld Up phelnine. For near l١ 21 ng (D) PAI Philippine pretto baurolin ana Ha au meet at a Respendenciour anos Utir 0 ppeerance of eamque MXX/

constant patters can constan Ineil 0.1 Q ane Ocarhe 000 ater CUN earth and Q (0)hm С avoid. Many N ROON lovernmentou 70 M help as thee WITH nilt nekud (Total for Question 3 = 8 marks)



This answer illustrates a key element in the assessment process: the philosophy of positive marking. Most of the material on page 6 is irrelevant to this question although it would have worked quite well as a summary to an answer to Q04! However what comes before is a real attempt to engage with the resources and make comments about the relationship between plate boundaries and the distribution of earthquakes. Not all of this is correct, but the inferences are plausible and thus rewardable and the candidate brings their own understanding of tectonics to their answer; for example, the reference to different earthquake waves. This response was awarded 7 marks.



You cannot lose marks so, if in doubt, always include a point that you are unsure of.

3 Study Figure 1 and Figure 2 in Section A of the Resource Booklet.Analyse the pattern of earthquakes in Japan and its surrounding region.

(8) reveals that Japan is Figure 2 Situte of the for tectonic plates (pucific phillippe sea CMABIA OKhotsk ond Enzsign plates) and thus is subjected to all man tide 7 quakes or above Test one mainly along STALL east coust of HokkGido, Horshu, Shikoki Shallow depths of 0-29 km the times of the and I dian Rysky brouch. This The collision of the Japon trach and Grasic plate with Continental le Phillipin See date and OKhotsk plate creatis a complex network of subo Zaas may shallow on medium focus earth which produce akt.8 along the lines of the transhes and the Collinental plate of Japon Uter mantines or forged due to tectinic subductions On the edge of the istand copea archipelago anto tin is a greater concentration mainlend Ober gults OKina but these on Cn balance of Brad 300-700 km deep magnitude then the mes about the subduction zons. Figur tel shows order Blendon apon the loves of avanes lettering +ZU-BONIN M oones islen Suggests RC Hack Brent" risults CICC island ìn. Mis on te Phillipm a varts Sla te Grisich Mates worst impacted The GH quarts is sharn in hillest are intratu

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This is a very well-focussed answer that sticks tightly to the requirement to analyse the resources by bringing good AO1 knowledge and understanding from their study of tectonics for paper 1 to achieve that. The answer is unusual in that it explores the relationships between earthquake depth, strength and location in much more detail than most, and, for the most part, does it well. It is worth remembering that although these questions have 4 marks allocated for AO1 and 4 for AO3 that does not turn them into pointmarked questions. Candidates do not need to make 4 AO3 observations - it is the descriptors that matter, not so much the indicative content, which is, after all, just indicative. This answer satisfies both Level 3 descriptors. This response was awarded 8 marks.



Always quote data from the resources in these 'Analyse' questions.

Question 4

For many candidates, this was the question that they found hardest. This was often because they did not read the titles of the resource very closely nor reflected deeply enough on the meaning of 'risk'. Figure 3 shows the probability of an earthquake of MMS 6 or greater in the next 30 years as well as offering shorthand information about recent earthquakes, including their location. Figure 4 shows population density in Japan. There is obviously not a causal relationship between these variables although a large minority of students tried to establish one both 'explaining' why people are in certain areas but also, even more problematically how earthquakes would impact on those population density figures. Once candidates though they established a relationship the AO1 that followed was necessarily mistaken, too.

The highest probability of a large earthquake is concentrated on the southern coast of Honshu. The population density is also highest in clusters on the southern coast of Honshu. What candidates should have realised is that this is because of the proximity of fault planes and that the risk may be higher as there have not been any recent large earthquakes in this precise location to release any pressure. They could then have made connections to figure 4 to show how this could lead to high casualties/costs. They could have extended this with AO1 about possible adaptation strategies. Some good answers described how recent earthquakes have mostly occurred in areas with lower population density, so risk and reality may differ. They also pointed out that risk is immediately reduced. Good AO1 was to mention that tsunamis have a high areal extent and that their hazard intensity is greatest along the coast, where population density is also highest.

4 Study Figure 3 and Figure 4 in Section A of the Resource Booklet.

Analyse the relationship between earthquake risk and population density in the Japanese archipelago.

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This candidate gives a strong account of the risk map by reading the basic data correctly. It is only a partial reading because the information about past earthquake events is not mentioned. This illustrates a key point that Level 3 answers, such as this one, do not have to be comprehensive. Both resources are 'rich' in detail and the expectation is that candidates will extract some, but certainly not all of the information. What this answer does very well, especially as it draws to a conclusion on page 8, is to concentrate on the impact of a major earthquake on Japan and the global economy which cross-references to the Tohoku event. This response was awarded 7 marks. 4 Study Figure <u>3</u> and Figure <u>4</u> in Section A of the Resource Booklet.

<u>Analyse</u> the <u>relationship</u> between <u>earthquake risk</u> and <u>population density</u> in the <u>Japanese</u> archipelago.

Japan is a highly developed country, with a good GDP. level of wealth cloesn't make it immune However. earthquakes and their risks. The population rects of the ef Japan is at high risk, as it has a population OF 340 per km², making it one of the most populated countries in the world. denselu area most The Tokyo region of Honshu as over 1000 people risk Cłł in each km². This ironically is the area mos live in ano to recieve an earthquake of most MMS 6 likely in the ideal large population, due tor next uears. IOKUO 15 a has some of the wealthiest to the foct its in the based there, global connections, & trade making it a world alobal hub. However the earthquake risk ATT is great. There have been no earthquakes directly in the city of lokyo 1983, increasing the prospect that DIESSUR Buid since building up & could release this energy as gradually earthquake in the near future as preclicted an 9.1 off the east coast of Honshy, just north enrthquake of 27,000 people. This was due to lokyo, killed more than failed mitigation attempts large population density and magnitude Earthquake In comparisson, an 8.2 1994 off the east coast of Hokkaido killed only 11 people. Although it had I lower magnitude, it killed durastically less

(8)

due to the fact that there are only 1 to 15 people per km², compared with Takyo.

There is a clear relationship between population density and earthquake risk, as unfortunately for Tapan, the most densely populated cirecis are those with the greatest predicted risk of an earthquake occurring in the next 20 years. The number of deaths could be reduced due to mitigation strategies, but the population density is so large it would almost be innaffective (Total for Question 4 = 8 marks)



This is a thoughtful answer that takes a different perspective in its analysis. As with the other exemplar used in this report the candidate understands the basic relationship between earthquake risk and population density, describing it as 'ironic'. They also reference recent earthquake events drawing down data from Figure 4 to explore the implications for Japan, especially for Tokyo. In the summative paragraph on page 8 they end with a pessimistic reading of Japan's vulnerability, despite its mitigation strategies. This response was awarded 7 marks.



Even in these shorter 8-mark answers try to draw them together with a final overview.

Question 5

Obviously, it is important for students to review all the material in the booklet but for the final two essay questions it is especially important. It is worthwhile for centres to remind their candidates that all resources have a purpose and they are not chosen lightly. An example of that is the information offered regarding Japan's energy mix (figure 7). No question directly focused on the country's energy mix but using this information alongside the trade data (figures 6a and 6b) would have been very useful for this question, and indeed for Q06. One perspective would have been to discuss the role of nuclear power in reducing Japan's fossil fuel consumption which of course, would reduce its imports. To develop this some candidates pointed out that the impact of Fukushima was to increase imports and thus increase international trade. In other words an increase in the volume of international trade is not necessarily positive. Similarly, those candidates that recognised that Japan had moved from import substitution to free trade had a much better understanding of the debate in the question given that import substitution reduces trade. The best answers understood the importance of Japan's positive terms of trade and its trade surplus as opposed to trade in general. They also recognised that exposure to global competition was a factor driving Japan's R&D and innovation - which is very important to understand their economic success (and ongoing positive terms of trade). There were many opportunities to illustrate these points with evidence from the booklet. It was less good to quote evidence of Japan's economic success but not link it to the role of free trade. On that same topic the best responses made an effort to establish what might be the appropriate measures of 'success'. As referenced in the opening preamble it was surprising that relatively few candidates used AO2 case study information here. Given that the outsourcing/reshoring debate is both highly topical and on the specification it was significant for its absence.

A final issue to address was the lack of reflection on what exactly constitutes 'Japan'. Given that the synoptic links specifically identify 'players' as well as actions, futures and uncertainties, it was surprising that so few identified any variations across Japanese society. From this perspective it seems reasonable to expect candidates to suggest that some parts of the Japanese economy have done better than others and thus some people have had more success than others.

Many candidates evaluated other factors that might explain Japan's economic success such as working culture, investments in nuclear and renewable energy and demographic change. This was best done when clearly making judgements about their importance relative to trade. A common weakness was to evaluate these other factors, but not link them back to the question.

A summary conclusion that captured their evaluative judgements on the importance of these factors was a characteristic of the highest marks. Candidates needed to come to a view and justify their view.

5 Study Section B in the Resource Booklet.

Evaluate the view that international trade is the main factor in the success of the Japanese economy.

(18)

Internationed trade referes to trade on a grabal scale between multiple combres. I apon is very valuable with interrent tracks, as it results were globally for the value its experse and ser your importer It's tep expert is motor valued at US\$92 burnin in 2016, when all g it att experts being in the manyetiming sector. Whilet this a extremely geed for the Japanese exchange,) apen also imposts much y to just and muning producers at 29.4%. 25.8% g which is being imposted from china there it clear that Jepon whom on promery prostants prom derelea economy since on the put its even economy as it does not have its an minued reserves Haven it mosn't always whis very, in the 1950's, Japan durcheged its large mensysteming base with a polling of substitution industionisation (181) 151 meat that high targe (cr texes) where were put on unpeted general them to be repleced by Japons on Alemane. products of with genermint subsides. This wanted make the good very songet - Byre by etter combrue, as they began as being exclusion Japen, end people exten went what every cent have Regere nos not trade that this point contributed to success of the Dapanese economy, but other Japans 6 domeshe product

Additicious Japans econonic system may be a huge contributer to its success 90% g the employees of TNC's such as sony and Tayata are lystime employees. This would men that they have hard the same job since they were yong and so would be very spilled with in their ones Additionaling, and componies appr insentions such as their schools, hespitals and whenent homes. This would whely help people in their polos, reducing imanipleyment rotis mel beeching the economy. Vet this is not muticity sustain able ...os, beng. so peused on work, many news next have the time , es they well up long hans (sametimes & O h weeks) reaching to a decining population, which is the us trend teday Once home monthests were secured, Japan began to promot pres-brock policies so that it could seek its greats ore seen, i props in 2016 Yet much Japan trades with many the largest reverses being the USA, chinas and ather combine autside y there end the EU Harener the would Benk stated in a nevert report that this has led to a jail in donute demand per consumer products, es 57.1% y unpete end necessional preducts. Die is neede where done to post remeting using Japanes uniners to next premathe compress. It may also be due to increased more advanced technologies such as social media

some one in Jerpen may see something that every want that smean her in the UK por econpre, and due to relaxed / pree prode polices they can import it in by buying on ini This would not beging the japanese ecencing. Japen's huge nucles power programme stemmed from imported US keepnaleryy. After planning to supply at least 50% g the combres combry's energy needs by 2000 through nullee pure in 1954, the Japan began by importing US Technology. Through this impertation they were able to develop then curs expertuse, yet nuclear did net reach its 50%. beachmon. Aft- the Fishinghama discate in 2011 they were ligh to shut dam most y their plants and dis met not only their an even any, but the global even any, as the preduction g inter ports in Jopen dis nated the glabel supply chain even ju huge companies such as Apple. Here interrohered trade us used to best boost the economy by proveling an alternate energy senses yet led to a huge disreption in the economy and a significant decrease in muchen person where produch In concusion interrohered trade is the main juster in the success of the Japanne economy. Without tradeny, Japan neuld not receive the natural researce it needs to preduce the preducts that it in this expect internaliz. Additionaly kig importing US technology it was able to develop its ann

energy Howerger marchen negatives (Total for Question 5 = 18 marks)



What is especially interesting about this essay is the candidate's persistent attempts to make connections and links both between different resource booklet material and that material and their own AO2 understanding. Sometimes that does not work in terms of objective reality (trade helping out after Fukushima) but the key point here is that it is plausibility rather than real histories that matter in this case. Obviously, there is no expectation that students know anything much at all about Japan but if their attempts to explain are coherent that is the sole criteria by which they are judged; that is the essence of the 'geographical skills' that this paper explores. This response was awarded 17 marks.



Try to make links between different resources in the booklet wherever you can.

· Exports large amount of Manufictura guoos glubally - to use " Home to tage TNES e.g. nissia japple · Promote free made - enlowages international take 5 Study Section B in the Resource Booklet. × · A tweiths on imports . ! Use own Produces = here to call Evaluate the view that international trade is the main factor in the success of the own econmy avous ing Japanese basistress to Japanese economy. divine. (18) International trade is the trade between different country where imports and exports an swipped out of a commy and Coming into He Cumty. duminant U Jarm deminant in glebul hade as it is home Important ATNCS Such as Sony and Tayata When they Produce global Mangacturing goods to be used around the world. Japon exports accomts for exports, flu, includes cur parts, domestic technology 87-21.05 Japanes motor can has a value of \$926n and electronic circuity, Car part expect alone WITH for can adding \$326n. This has Strongthud Japons Parts economy as it has reavided many highly shilled Jebs to Prochase the curs giving the country finds a invest in infasture like School and health our but also to here develope the economy firthe by attacting other TAICS to invist in the area. Japan was formed by erupting volcomes forming a island are, this has must the country does not have any natural resconces of its own mening they have had to import all there energy. oil and pet rolum alone custs 151 be to impart into Japan. This could of impacted on Japons ocenany as importing an these rescours because because they expensive and means you are reliant on other Country, Por Jul + energy. Not having an energy surely may have allo Put Peuple into the country due to the lack of resolves investing of from for industry. However Japon has developed othe energy Source Such as HEP and MURILLA Power Now provide a Juffierst

amount of Japani energy. This was haltered then after the 2011 carthquall in Toktohn winn the Aneniar Powerdiation Fukushing was desmuced in the tomani. This caused a new Catostrophic event so fir the past few years all most all of the power plants were shut down. However the government in 2015 decided to restart the Program as well as develope and research renewask energy research to have reduce their energy relience on other commy and so becoming more Self-substaing not Secure development of Merring 64 energies Can hur Strengtrum Japan The economy as they are no longer having to impart energy and may athast other companies due to the having a secon energy supply. Another factor that has also hered with the success of Jacon economy is the 1SI Policy put in place in the 19501. The government imposed high taxes and tauffis on import and so peuple were detered from buying them, (rating a switch when more Rock bought hune. manufactures Products. An example of this is many an when imported but due to high tarrites many People now buy Japan Day ann cars like mitshubis. Rovernunts also encouraged buying Jaron only Products Futur by Rutting Subsider on Anduces more compettilitre. This lead to the Do making them growth and development of the Japanen market as manufietma alson Japan own Product, Securing a home market, allowing the ome Smaller bailings to beafit from the large TNC3, this more economy is more Substainable and can be maintained.

Japon now 1927 Mortinanthade Promotes free trade Policies allowing many companyes to Sell their goods a broad and so moreasing their markut and boosting GDP. Japan is nebigous to Same during the trade compy such as China so by Promoting free-track it encomages the trade with China and so subsequety strangther their economy as they have more track partness

Japon Tokyo is Japons cupital city, many large international Companies are located here in 2017 tokyo was the 3rd ranked City for businesses in the avorial. Takyo has a simal economy to londen (134) and New York (2nd), showing a well established economy. But and also scenny high in literability occusability being a popular City has go Stronghud to lyos and Japans economic success and it become more internationally linked. This is brough it is viewed as a a good city so many Propa beets their to live and work bat also torism is high. This genuts income for the city and locar bursnesses which Rather Stragths the economy and brings investment as it is viewed as a Place to be

Having a unique economie system has also hured Japan become ecocomienting suralifies as goir of The employer, such as apple Songer, toyo ta, emplose them for life. As the Provide their own Schools, hespitals and retirement homes for the workers. This gains employer logally and hurs divervice its workforce to a highly education, healthy toon loyal and so they will have a high mutavation to work will

international			nde har	Werked	Japons economy grow	
						goremini
Policies	ond	technology	denurpm	√⊢ (Tota	for Questio	n 5 = 18 marks)
have	Mufed 1	boost the	n'r econom	y too.		



This is an essay that could be edited quite quickly to improve it. What it does well is the provision of an overview of the several aspects of Japanese society and its economic system but what it does not do quite so effectively is relate these observations to the question in a truly evaluative fashion. A good example can be found with the paragraph that ends at the top of page 10. Having discussed Japan's energy mix and made a point about the development of renewables reducing the need to import fossil fuels the relationship to trade is left unstated. The very brief conclusion does not add very much to the evaluation. This response was awarded 14 marks.



Don't lose sight of the question by keeping the focus clear.

Question 6

There were some very strong answers to this question and, pleasingly, very few signs of candidates running out of time. There was evidence of planning and an encouraging number used what might be called portable or flexible concepts and ideas to help unwrap the title more effectively. An example of this was the complex relationship between economic growth and the environment and their potential incompatibility. Some Level 4 answers also reflected on the great difficulty in any forecasting of the future; one candidate referenced the failure of economists to forecast the global crash of 2007.

AO1 is a small part of the mark scheme for this question and we focus more on the level descriptors when determining the mark. However, it is important to focus on the question. To do this effectively requires some structure from the course. Evaluating significant global power is much easier when you identify the pillars of global power. Needless to say the economy is the foundation that supports the projection of power through military, geographical and cultural means. Such a structure enables evaluation and comparison of Japan's strengths today and tomorrow for each of these pillars. Without this AO1 framework some candidates ended up evaluating the evidence in the booklet, but not really in terms of global power. The concept of sustainability in the context of this question brings in the temporal aspect. Is the global power that Japan has today likely to remain tomorrow? There is scope here for synoptic links to other global powers. However, rather narrow answers resulted when candidates evaluated whether Japan was sustainable economically, environmentally and socially. They were odd because these answers tended to drift from the idea of global power. As an illustration of impressive knowledge and a global reading of the question several referenced with waning power of the USA in economic terms as opposed to its super-dominance militarily. That was, after all, material that was offered to them in the booklet so it just required a cognitive leap to make the comment that the USA in 2019 is bellicose and aggressive leaving opportunities for other countries to expand their soft-power diplomatically.

The booklet was used very well to support these answers. The main discriminator between answers was less the use of the booklet, but more the application of the evidence to support the discussion of the debate in the question. However, a common misconception is that Japan is doomed because of a potential hazard in the future. This is simplistic because Japan has recovered from recent disasters. Moreover, the country adapts against hazard risk and other global powers such as the USA and China also suffer from hazard events. Candidates should be encouraged to evaluate these factors, rather than make exaggerated statements. As referenced in the preamble too many went down a Yes/No pathway with many unsupported statements. Similarly, better answers recognised that as the 8th largest military spender on the planet Japan gains significant influence – even if it exerts less influence than larger powers such as China and the USA. Weaker answers made an exaggerated point that Japan was 8th and therefore had no military influence. Answers that considered change over time did best. A deteriorating dependency ratio may weaken economic output in the future, unless improved productivity from robotics and Al outweigh any losses. Japan's soft power is improving from 8th to 6th etc...

A crucial characteristic of Level 4 work is a balanced argument that is drawn together coherently. This requires time to be spent on a proper conclusion. Some candidates simply restated earlier points but then rather threw up their metaphorical hands and stated that it was difficult to say how matters would turn out, which is fine just so long as evidence is offered. Others failed to offer any summative comments, perhaps contained by time but probably also because of lack of self-awareness, which held down their mark considerably. Thus, time on its own is not enough. Conclusions must take a view on the question and justify that view drawing on key ideas from the answer. Done well, this was a characteristic of the highest scoring answers.

6 Evaluate the view that Japan's status as a significant global power is unsustainable.

A significant global power or a superpower is a country that has a lot or power and influence over more than one global region. The superpower status is dependent on 7 dirferent factors which are; economic strength and influence, military strength, are; economic strength and influence, military strength, are; economic strength and influence, military strength, are; economic strength and polifical size, demographics, autural influence and polifical strength. At the present moment, Japan is a significant global power in the Musi-polar world however this could be unsustainable due to so many other countries thut are now emerging.

Japanis ranked veny high in terms of economic power and influence which is making their significant global powersustainable. Figure & rhows the globalisation rankings on the KOF index For SIX superpowers. Japan is ranked 75 for economic factors, this includes the internetional trode which makes up a significant amount of the economy. However, there are 4 other courties on figure & which did score significantly higher that Japan did which could make Japan's status as a significant global superpower unswitainable. Figure 6b shows the success of Japan's trading economy which

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does make up the mass maginity of its economy. Japan ranks 4th globally for the value of its exports with a value of US\$644 billion. The economy is a very significant factor in the suffairability of Japan's superpower status.

Another Factor which is inportant in the sustaining of a superpower status is cultural influence. In the age of diobalisation, mass modia TNCS Spread their influence across the world quite easily, Sony is a huge TNC which is Tapanese and produces many video games, such as Pokemon, and films which are viewed globally. Figure 10 shows a sort power league table which shows changes in global influence measuring diplomacy, culture, education and other factors, 2015-2017; in 2015 Tapan was ranked 8th but by 2017 it was ranked 6th. This shows that Japan is having more influence ever the world and this is significant as it will allow Japan to be able to sustain its Superpower status.

However, there are some factors in which could Make Japan's Superpower status become unsufainable and one of those things is natural hozards. Tapan is wated on the Pacific ring or Fire and as shown in Figure 2 is subject to a cot of earth-quarkes and it also has 110 active volcances. Figure 12 Shows the predicted impacts for the world's iv most hazardous cities and 3 cities located in Japan are on the list. Tokyo is the top of the list with the total population obtentially affected at 57.1 million, in terms of economic cosses there 3 Japanese other Tokyo, Osaka-kobe and Nagoya - Fill the First 3 places globally with potential GDP losses as high as 57. of the annual total. This is a very Significant factor as to why Japan's global power status is unsustainable haturar hazardes are so frequent and have deventating effects on their economy and their trade etc.

Another Factor which is significant in Japan's global power status being unsustainable is military Spending. Higure 9 shows the defence expenditure for the world's top 15 military powers in 2016, Japan is 7th on the ranking with a military spend OF US\$46.1 billion havener they are not in the top 10 countries for military size and they are two hower spending than the main powers of USA and Ching. This could make them Unorable

is make their global power status unsusainable. In conclusion, there are a number of factor that lad to the global power status being white here economy and cultural outweigh this.



This essay has a very sound structure with thematic paragraphs and a reasonable introduction that helps develop the subsequent framework. The conclusion is weak: too brief and not evaluative but ongoing evaluation is quite strong. The AO3 is stronger than the AO2 something of a general characteristic, even of Level 4 responses. However, in the paragraph on page 14 devoted to Japan's cultural reach the material on Sony and Pokemon is strong and linked well with resource booklet information. The abilty to weave together given information with a candidate's own knowledge and understanding is a key element in 'making connections' - the final bullet point in the levels descriptors. This response was awarded 20 marks.



Always try to add your own knowledge where and when you can.

6 Evaluate the view that Japan's status as a significant global power is unsustainable.

(24)Sustainability is the ability to cate to be needs of <u>n</u>₀ generally without preventing other fibre generalis Currer for do of the samo POSI'N'ON as It could be agreed Japan's stand of a grhad as the geographically it pour is unsustainable 12 Situated on a hazard hotspot and is located of the Unchin of 2 plates, tormental and occenic is prove to multiple harards including hydrological ones Such as trunamis. As an island it is also relatively at coasal, areas. These harards nosk of Set FLOODS in CL to increase duit the rise of global temperatures rerejoe win more how and come the intrease in hazard preparedy miligation against it. This has management an Q. and also has weaknesses. economic Cost ng α drills also require and Education and maney and cooperation. However due to an equy and delliney population, economic growth is unsustainableas eldery dependants with less warting, economially mare achie people mean there is not enough pople paying tax and supporting to economy, especially as there is a tall in demand for consumer products domestically. relace of the multiplier effect it can This means a working and spending leading to a Strain ore

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Overall, the view that Japan's status as ustainable is the le some extent epal Dour is Un Cuttural Japanease red UCING of resident he attindes an .15.... compensate her freetlity cates. 30 10 LOW attines ar adapt and governm Ch globod may Japan's stams take NOT Viable Shat tem



This essay is a Level 3 response which could be easily improved by reorganising the material in a more coherent fashion, adding a conclusion and introducing more AO2 material at critical points. The AO2 here is a little marginal with the linkage between hazard frequency and climate change clearly irrelevant insofar as tectonic hazards are concerned. It is worth commenting that Japan's resilience in the post-Tohoku years should have given candidates pause before introducing the idea that their global power status was at risk because of hazards. There is no proper introduction to this essay nor a conclusion and the ongoing evaluation does not entirely compensate, despite some thoughtful material. This response was awarded 17 marks.



Each paragraph should have one theme or idea with some evidence to support it and a final sentence tying it back to the title. That will stop the essay drifting off topic.

Paper Summary

Based on their performance on this paper, candidates are offered the following advice:

- All the information in the resource booklet is there for a purpose.
- Candidates should scribble notes in the booklet making references to their own knowledge of places and processes.
- Although there is no presumption that candidates will know the location chosen as the focus of the paper, there is a presumption that some of the issues will be familiar to them.
- Many terms are contested and there is only very rarely a consensus be especially careful not to assume that everyone agrees what, for example, sustainable development might look like.
- Remember that countries do not make decisions but governments do, and different players will have contrasting views about those decisions and contrasting roles in contributing to the decision-making process.
- Almost all decisions and the actions that follow, however well-meaning and well-intentioned, will have some negative consequences for someone, somewhere.
- Almost all actions will have different impacts in the short term, both negative and positive, than they will in the longer term futures are uncertain.

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