

Paper 2 mark scheme

Question number	Answer	Mark
1(a)	AO1 (4 marks) Award 1 mark for identifying a reason why globalisation creates cultural erosion, and a further 3 marks for expansion up to a maximum of 4 marks. For example: • TNCs bring new products and services (1), which often includes largely western cultural ideas (1) which can push out local industries (1) resulting in the gradual disappearance of traditional artefacts/services/languages (1) • Joining global production chains (1) leads to environmental changes/pollution (1) which can result in loss of natural habitats (1) which can diminish traditional practices for hunter/gatherer communities (1). Accept any other appropriate response.	{4}

Question number	Answer
1(b)	AO1 (3 marks) / AO2 9 marks) Marking instructions Markers must apply the descriptors in line with the general marking guidance and the qualities outlined in the levels-based mark scheme below. Responses that demonstrate only AO1 without any AO2 should be awarded marks as follows: • Level 1 AO1 performance: 1 mark • Level 2 AO1 performance: 2 marks • Level 3 AO1 performance: 3 marks. Indicative content guidance The indicative content below is not prescriptive and candidates are not required to include all of it. Other relevant material not suggested below must also be credited. Relevant points may include: AO1 • TNCs, given that they are trans-national, are at the core of globalisation and profit from the movement towards free trade and lobby for privatisation, deregulation and free trade • they profit from free-market liberalisation and privatisation because it increases their sales and reduces their costs • there are benefits for the owners/shareholders of TNCs • there may be benefits for the workforce and citizens in communities in both developed and developing countries • there will also be costs in both developed and developing countries, which may be environmental but also social and economic AO2 • corporations are profit driven by definition and seek to cut costs hence the importance of outsourcing which brings jobs but they are often poorly paid

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S Ashworth



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in pattern y are than the terms in pattern x stuck

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division addition is when you have numbers that are grouped together

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make the number 8 in different ways etc children can learn these by manipulating physical objects such as bricks and tiles

starting with 8 objects a child can split these objects into two or more groups figure 3

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web patterns functions and algebra the learner will be able to recognise describe and represent patterns and relationships as well as to solve problems using algebraic language and skills 2 1 investigates and extends numeric and geometric patterns looking for a relationship or rules including patterns 2 1 5 represented in tables

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web apr 18 2022 the numbers we use for counting or enumerating items are the natural numbers 1 2 3 4 5 and so on we describe them in set notation as $1, 2, 3, \dots$ where the ellipsis indicates that the numbers continue to follow the pattern the natural numbers are of course also called the counting numbers any time we

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web patterns in numbers multiple operations gr 5 students determine which two operations were used together in order to produce the pattern examples include addition followed by multiplication and subtraction followed by division

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web 19 double the following numbers a 4 b 9 c 10 20 double each of the following numbers by writing an addition number

sentence a 6 6 12 b 8 8 16 21 a which number is 10 more than 9 b which number is 10 more than 10 c which number is 10 more than 17 d which number is 5 more than 11

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web operations and algebraic thinking is about generalizing arithmetic and representing patterns algebraic thinking includes the ability to recognize patterns represent relationships make generalizations and analyze how things change in the early grades students notice describe and extend patterns and they generalize about those patterns

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web part part whole relationships teaching part part whole relationships is critical to understanding addition and subtraction concepts the part part whole model shows that two parts make up a whole the following examples show the value of part part whole relationships example 1 samantha has 4 red marbles and 3 blue stickers how many

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web properties and relations of multiplication and division multiplying and dividing within 100 solving problems with the four operations the four operations with whole numbers understanding factors and multiples generating and analyzing patterns writing and interpreting numerical expressions patterns and relationships number

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web jan 6 2021 the american society of mechanical engineers asme has published the y14 36m surface texture symbols standard which illustrates the proper specification and use of surface texture symbols on technical drawings

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web an engineering or technical drawing is a graphical representation of a part assembly system or structure and it can be produced using freehand mechanical tools or computer methods working drawings are the set of technical drawings used during the manufacturing phase of a product

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web surface finish is the specified smoothness required on the finished surface of that part this surface finish can be obtained by machining grinding honing or lapping etc surface finish is generally required for mechanical components where these components must fit together perfectly move against each other or form a sealing interface

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web this list includes abbreviations common to the vocabulary of people who work with engineering drawings in the manufacture and inspection of parts and assemblies technical standards exist to provide glossaries of abbreviations acronyms and symbols that may be found on engineering drawings

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web to display surface finish symbol settings do one of the following click mechanical toolbox settings in the toolbox settings dialog box in the left pane click annotations and in the right pane expand surface finish symbol click mechanical toolbox symbols surface finish symbols or surface finish symbols mechanical toolbox

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web standard symbols v basic symbol used when surface finish can be produced by any convenient technique modified symbol finish done by a machining process modified symbol indicating a surface finish without removal of material for example quality of an initial casting roughness value chart 3 a l 50 rough oxy cut

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web australian standard technical drawing part 201 mechanical engineering drawing section 1 scope and general 1 1 scope this standard sets out requirementsand recommendationsfor mechanical engineering drawing practice it is complementary to as 1100 101 the standard provides informationon surface texture and welding and the

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web surface finish also known as surface texture or surface topography is the nature of a surface as defined by the three characteristics of lay surface roughness and waviness it comprises the small local deviations of a surface from the perfectly flat ideal a true plane

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web understanding surface roughness symbols symbols that indicate the surface texture of machined and structural parts are used in industrial diagrams the pictorial representation using these symbols is defined in iso 1302 2002 this section will explain how to write these symbols to indicate surface textures

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web surface finish symbols are graphical callouts to indicate surface texture and surface roughness for design parts manufactured by various manufacturing processes the surface finish graphical symbol usage is defined in iso 1302 2002

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web the symbol indicates the surface finish requirements and shows a machining allowance requirement of 3mm on all surfaces symbol for surface texture all component surfaces the symbol indicates that all of the component surfaces are to be machined location of surface texture symbols

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web may 28 2023 published by gayamadhusanka on may 28 2023 surface finish symbols are needed to represent the surface texture requirement to manufacturers if you are working on cnc machining parts or some other manufacturing process then you need to specify the surface finish requirement to manufacture

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web 1 positions of auxiliary symbols for surface symbol a surface roughness value cut off value or reference length machining method grain direction surface undulation etc are indicated around the surface symbol as shown in fig 1 below fig 1 positions of auxiliary symbols a ra value b machining method c cut off value evaluation length

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web nov 11 2021 the ra surface finish chart shows the arithmetic average of surface heights measured across a surface as already mentioned there are three basic components of a surface roughness waviness and lay therefore different factors are affecting the characteristics of surface geometry

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web iso and ansi standards provide guidelines and symbols for surface finish specifications ensuring clear communication between designers and manufacturers a detailed explanation of surface finish units from ra to rz ra average roughness

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web may 12 2020 it is suggested to indicate the surface roughness on drawing by symbols the bis recommended symbols for indicating the surface finish are shown in table a for the roughness values greater than 25µm the symbol is used for roughness value less than 25µm the equilateral triangular symbol is used

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