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| Academic Year | 2023/2024 |
| العام الدراسي | |
| Term | 1 |
| الفصل | |
| Subject | Science / Inspire |
| المادة | العلوم / إلهام |
| Grade | 7 |
| الصف | |
| Stream | General |
| المنهج | العام |
| Number of MCQ | 15 |
| عدد الأسئلة الموضوعية | |
| Marks of MCQ | 60 |
| درجة الأسئلة الموضوعية | |
| Number of FRQ | 5 |
| عدد الأسئلة المقالية | |
| Marks per FRQ | 40 |
| الدرجات للأسئلة المقالية | |
| Type of All Questions | Paper Part / أسئلة مقالية / MCQs / أسئلة موضوعية / نوع كافة الأسئلة |
| Maximum Overall Grade | 100 |
| الدرجة القصوى الممكنة | |
| Exam Duration | 150 minutes |
| مدة الامتحان - | |
| Mode of Implementation | SwiftAssess & Paper-Based |
| طريقة التطبيق | |
| Calculator | Allowed |
| الآلة الحاسبة | مسموحة |

| Question* | Learning Outcome/Performance Criteria** | Reference(s) in the Student Book (English Version& Arabic Version) | |
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| | | المرجع في كتاب الطالب (النسخة الإنجليزية والنسخة العربية) | Page |
| السؤال* | نتائج التعلم/معايير الأداء** | Example/Exercise | صفحة |
| الأسئلة المقالية - Paper part | 1 | Assign the different parts, cell types, features of the plant's leaf and their function, state the chemical equation of photosynthesis | Textbook, figures, investigation |
| | 2 | Describe and identify the steps in the water cycle and outline the importance of each steps and its effects to the environment | Textbook, figure |
| | 3 | Describe different factors that can affect the size and carrying capacity of a population, Analyze related graphs, Describe different factors that can affect the size and carrying capacity of a population | Textbook, graph, 3D |
| | 4 | Define ecological succession, and differentiate between primary and secondary ecological successions | textbook, figures |
| | 5 | 1. Define biodiversity and link it to ecosystem stability and how to protect it, list types of biodiversity and assign them to different examples. 2. calculate the biodiversity index for a given area using table and the formula. 3. Demonstrate how energy flows through an ecosystem using energy pyramid, explain all of it's features and relate it to number of organisms in the trophic levels | textbook, figures, investigation |
| الأسئلة الموضوعية - MCQ | 6 | Recognise the main features of leaves in plants (function, cells, ...etc) | Textbook, figures, investigation |
| | 7 | Describe the cellular respiration equation & two steps process, the molecules (inputs & outputs), and the organelle involved and their functions | textbook, figures |
| | 8 | Define energy in ecosystem, describe how energy flows through an ecosystem, and compare it with matter (cycling of matter) | textbook, figure |
| | 9 | Differentiate between producers and consumers, identify and describe with examples the four types of consumers: Carnivores, Herbivores, Omnivores, and Detritivores | textbook, figures, 3D |
| | 10 | Explain how does matter move through an environment | textbook |
| | 11 | Describe and identify the steps of the nitrogen cycle, Explain what nitrogen fixing is and the different ways that it can occur in | textbook, figure |
| | 12 | List the levels of organization in an environment (in correct order) | textbook, figure |
| | 13 | Define extinction, endangered, and threatened species, compare between them, and assign them to examples | textbook, figures, table |
| | 14 | Compare and contrast between the different types of symbiotic relationships between organisms (mutualism, commensalism, parasitism,...) and relate examples to each relationship | textbook, figures, table |
| | 15 | Explain how do aquatic ecosystem change, Define aquatic succession and eutrophication | Textbook, figures |
| | 16 | Describe how changing ecosystem affect populations, define dynamic equilibrium, and the causes that cause dsruption in ecosystem | textbook, figures, investigation |
| | 17 | Explain how do scientists measure biodiversity and what are the disadvantages for these methods | Textbook, figures |
| | 18 | Compare between different biomes in the aquatic ecosystems | Textbook, figures |
| | 19 | Explain the importance of biodiversity and interpert from graphs data that support that | textbook, investigation, graphs, 3D |
| | 20 | Identify the four main types of ecosystem services, and what are the examples on each of each services | textbook, investigation, graphic organizers |
| * Questions might appear in a different order in the actual exam | | | |
| * قد تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي | | | |
| ** As it appears in the textbook (UAE Edition Grade 7 Inspire Student Edition) , LMS, and (Main ,IP). | | | |
| كما وُجدت في كتاب الطالب / كتاب الطالب الصف السابع العام / إلهام طبعة دولة الإمارات العربية المتحدة) و LMS والخطة الفصلية . | | | |