

Grade 9 Natural Science Exam: Term 4

Name _____

Date _____

Class _____

Time: 2 hours



Total: / 100

Instructions for learners

- The paper consists of **100** questions and **100** questions.

SECTION A (2 marks)

SECTION B (2 marks)

- Read the full question carefully according to the marking system used in this question paper.

- In the case of calculations, show ALL steps.

- Round answers to 100 decimal places, unless specified.

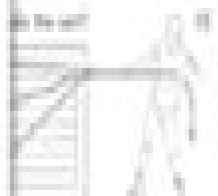
- Simple paper is provided for SECTION B (1 x 1)

- Write neatly and legibly.



Section A: Multiple choice questions (100 marks)

Use the following system
of marking system



After marking the teacher
marks

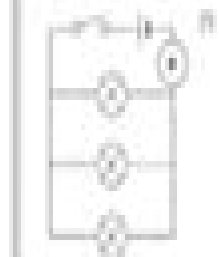


Section B: Multiple choice questions (100 marks)

1. (10)

2. (10)

3. (10)



Section C: Multiple choice questions (100 marks)

1. (10)

2. (10)

3. (10)

4. (10)

Section D

Section D
1. Longman
2. Newton
3. International
4. Negative
5. Newton



Section E: Multiple choice questions (100 marks)

1. (10)

2. (10)

3. (10)

4. (10)

5. (10)

6. (10)

7. (10)

8. (10)

9. (10)

10. (10)

11. (10)

12. (10)

13. (10)

14. (10)

15. (10)

16. (10)

17. (10)

18. (10)

19. (10)

20. (10)

21. (10)

22. (10)

23. (10)

24. (10)

25. (10)

26. (10)

27. (10)

28. (10)

29. (10)

30. (10)

Section F: Multiple choice questions (100 marks)

1. (10)

2. (10)

3. (10)

4. (10)

5. (10)

6. (10)

7. (10)

8. (10)

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27. (10)

28. (10)

29. (10)

30. (10)



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Engineering, and Medicine, National
Academy of Engineering, Division on
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Sciences, National Materials and
Manufacturing Board, Committee on
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High-Performance Bolting Technology for Offshore Oil and Natural Gas Operations National Academies of Sciences, Engineering, and Medicine, National Academy of Engineering, Division on Engineering and Physical Sciences, National Materials and Manufacturing Board, Committee on Connector Reliability for Offshore Oil and Natural Gas Operations, 2018-06-12 Commercially significant amounts of crude oil and natural gas lie under the continental shelf of the United States. Advances in locating deposits and improvements in drilling and recovery technology have made it technically and economically feasible to extract these resources under harsh conditions. But extracting these offshore petroleum resources involves the possibility, however remote, of oil spills with resulting damage to the ocean and the coastline ecosystems and risks to life and limb of those performing the extraction. The environmental consequences of an oil spill can be more severe underwater than on land because sea currents can quickly disperse the oil over a large area and thus cleanup can be problematic. Bolted connections are an integral feature of deep water well operations. High Performance Bolting Technology for Offshore Oil and Natural Gas Operations summarizes strategies for improving the reliability of fasteners used in offshore oil exploration equipment as well as best practices from other industrial sectors. It focuses on critical bolting bolts, studs, nuts, and fasteners used on critical connections.

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