Instructions to Candidates:

Marks Available: 40
Pass Mark: 80% (32 marks)
Time Allowed: 1 hour 30 minutes

Do not write on this examination paper.
This paper is to be returned at the end of the examination.

There are 31 questions in this examination.
Use the supplied answer sheet for your responses.
Ensure that every answer sheet bears your name.

Permitted Accessories:
Writing materials, Calculator.

Additional Materials:
 Supplementary text: 'HSE and diving'
1) What is 26 + 32?
A: 2632
B: 58
C: 62
D: 68
E: 52

2) What is 126 - 32?
A: 38
B: 64
C: 94
D: 93
E: 84

3) What is 15 x 12?
A: 150
B: 162
C: 1512
D: 180
E: 200

4) What is 360 ÷ 20?
A: 180
B: 18
C: 12
D: 36
E: 26

5) What is 12.1 + 16.4?
A: 28.5
B: 285
C: 32.4
D: 16.1
E: 29.5

6) What is 120.5 - 10.5?
A: 105
B: 110
C: 115
D: 120
E: 10

7) What is 2.5 x 3?
A: 7.2
B: 3.5
C: 6.5
D: 7
E: 7.5
8) What is $10 ÷ 2.5$?
A: 2
B: 2.5
C: 3
D: 4
E: 4.5

9) What is $\frac{1}{2} + \frac{1}{4}$?
A: $\frac{3}{6}$
B: $\frac{3}{8}$
C: $\frac{3}{4}$
D: $\frac{2}{6}$
E: $\frac{2}{8}$

10) What is $\frac{1}{2} - \frac{1}{8}$?
A: $\frac{1}{4}$
B: $\frac{1}{6}$
C: $\frac{1}{8}$
D: $\frac{3}{8}$
E: $\frac{7}{8}$

11) What is $2 \times \frac{1}{2}$?
A: 1
B: 2
C: $\frac{1}{4}$
D: $\frac{1}{20}$
E: $\frac{1}{2}$

12) What is $1 ÷ 2$?
A: 1
B: 2
C: 4
D: $\frac{1}{2}$
E: $\frac{1}{4}$

13) What is the result of adding 10% to 250?
A: 260
B: 275
C: 300
D: 255
E: 265

14) What is the result of subtracting 10% from 180?
A: 160
B: 162
C: 172
D: 170
E: 178
15) What is 2 out of 10 expressed as a percentage?
A: 10%
B: 20%
C: 40%
D: 22%
E: 12%

16) What is three quarters when expressed as a percentage?
A: 66%
B: 70%
C: 75%
D: 80%
E: 34%

17) If a + b = c, what is a?
A: a = c - b
B: a = c + b
C: a = c ÷ b
D: a = c - a
E: a = a + b

18) If a x b = c, what is b?
A: b = a + b
B: b = a - b
C: b = c - a
D: b = c x a
E: b = c ÷ a

19) If a + c = 20 and a = 12, what is c?
A: 8
B: 10
C: 12
D: 20
E: 18

20) If 2 x b = 24, What is b?
A: 10
B: 12
C: 16
D: 18
E: 22
21) Referring to the supplementary text, which of the following statements best summarises the second paragraph of Section 2?

A: Diving can be dangerous
B: HSE makes diving regulations in order to make diving safer
C: Divers have a number of responsibilities under the regulations
D: HSE approves diving qualifications
E: Divers and clients have responsibilities under the regulations

22) Referring to the supplementary text, which of the following statements best summarises the first paragraph of Section 4?

A: Diving requires a high level of fitness and a medical examination
B: HSE set regulations for diving
C: There are four main standards for commercial diving competence
D: You do not need a medical to work as a diver, but it is sensible to have one
E: Medical certificates last for at least 12 months

23) Referring to Section 1 of the supplementary text, how many fatal accidents occurred between 1996/7 and 2003/4?

A: 8
B: 96
C: 24
D: 6
E: 4

24) Referring to Section 4 of the supplementary text, to what depths do closed bell divers dive using mixed gas?

A: Up to 10 metres
B: 20 metres
C: 50 metres
D: Over 50 metres
E: Over 500 metres

25) "Construction workers may require _____ qualifications". Refer to Section 3 of the supplementary text and fill in the missing word.

A: welding
B: additional
C: ancilliary
D: technical
E: specialist

26) "Risks can be significantly _____ by adhering to regulations". Refer to Section 1 of the supplementary text and fill in the missing word.

A: reduced
B: addressed
C: maximised
D: organised
E: treated
27) "The 'diving industry' can be considered as a number of sectors where people need to go underwater to work" (Section 1 of the supplementary text). Which of the following word(s) has the same meaning as the word 'considered'?

A: established
B: thought of
C: supported
D: proposed
E: illuminated

28) "In order to become a working diver in Great Britain you must obtain a qualification approved by HSE" (Section 4 of the supplementary text). Which of the following word(s) has the same meaning as the word 'obtain'?

A: get
B: purchase
C: borrow
D: avoid
E: lose

29) Section 1 of the supplementary text uses the word 'hazardous'. Which of the following words has the OPPOSITE meaning to this word?

A: risky
B: dangerous
C: health
D: practices
E: safe

30) Section 1 of the supplementary text uses the word 'general'. Which of the following words has the OPPOSITE meaning to this word?

A: vague
B: private
C: special
D: specific
E: associate
Assessment of Academic Ability Examination
Exam ID: 1297775923-2616-17

Instructions to Candidates:
Using a pencil, shade the circle to indicate your chosen response.
If you change your mind, ensure that you erase your original choice.

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You may need additional paper for the short answer questions.
Ensure that your name is written at the top of all additional answer sheets.