BEAVERLODGE BOARD of TRADE

BEAVERLODGE
ALBERTA

April 30th 1937.

We would be pleased to have as many children as
possible from your district, attend and participate in the
Coronation Day Celebrations at Hythe May 12th. The Parade
starts at one thirty P.M. Sharp. Please be on hand at one P.M.

Every child attending will be given a Coronation
Medal on entering the grounds, and if convenient, you should have
your own banner for the parade.

Contributions are invited from School Districts,
$5.00 $10.00   or more, but if you are unable to make any
contribution, Please feel free to attend as we want every child
to be present and enjoy this memorable celebration.

Please advise your intention of attending as soon
possible.

Yours truly,

W. Bond.

Secretary.

Supplies for Picnic 1937.

Cones —	300 —	$1.50
Sugar —	20 lbs. —	1.5-5
Coffee —	2 lbs. —	.70
Lemons —	2 doz —	1.20 - Not sufficient
Prizes —		2.05

Picnic - 1939.

Sugar —	10 lbs. —	.80
Cones —	200 - Donald Cafe - .75
Lemons —	3 doz —	1.15 - Not sufficient
Prizes —	Candy —	1.45

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HIGH SCHOOL ENTRANCE EXAMINATION BOARD
DEPARTMENTAL EXAMINATIONS, 1937
GRADE IX

GENERAL SCIENCE AND HEALTH EDUCATION

Time—2½ hours.

Notes—Grade X and Grade XI candidates writing on General Science will not be required to write on that part of the paper based on Health Education.

Pay particular attention to the directions as you answer the questions. Answer as many questions as you can in the time allowed. Write your answers on this examination paper and enclose the paper in the envelope provided. No foolscap is needed.

Directions: On the line at the right, place the letter of the correct answer.

Values

Example: Air is a (a) solid, (b) liquid, (c) gas. ___c___
Air is a gas. The correct answer is shown by placing the letter "c" on the line at the right.

5 **1.** A natural factor in our environment is (a) school, (b) radio, (c) book, (d) air, (e) automobile. (1)...............

2. An artificial factor in our environment is (a) water, (b) air, (c) light, (d) heat, (e) steam-engine. (2)...............

3. A general property of matter is (a) weight, (b) odor, (c) lustre, (d) magnetism, (e) compressibility. (3)...............

4. A special propery of matter is (a) inertia, (b) weight, (c) indestructibility, (d) gravitation, (e) transparency. (4)...............

5. An example of organic matter is (a) sand, (b) water, (c) humus, (d) air, (e) light. (5)...............

6. Heat is a form of (a) matter, (b) energy, (c) oxidation, (d) thermometer, (e) work. (6)...............

7. We get first-hand knowledge of our environment through (a) talking with our friends, (b) reading books, (c) observation and experimentation, (d) theories, (e) laws. (7)...............

8. A physical change occurs when (a) iron rusts, (b) water boils, (c) a match burns, (d) a leaf decays, (e) an apple rots. (8)............

9. A body in motion illustrates (a) chemical change, (b) kinetic energy, (c) potential energy, (d) physical change, (e) loss of energy. (9)............

10. Our main source of energy is (a) coal, (b) wood, (c) the sun, (d) oil, (e) water. (10)............

Directions: In the space under each statement give the reason for what happens.

10 11. An automobile is brought to a stop when the brakes are applied.

....
....
....

12. When watching a train from a distance, one observes the steam from the whistle a short time before he hears the sound.

....
....
....

13. With a lever, I lift a 16-ounce weight using only an 8-ounce effort.

....
....
....

14. I carry a weight up a stairway with a smaller expenditure of force than if I carry it the same height up a vertical ladder.

....
....
....

15. When you push against a heavy wall you are expending energy but you are doing no work—as work is defined in science.

....
....
....

Directions: On the line at the right, place the word or words needed to make each statement true.

5 16. About four-fifths of the air is (16)............

17. Air exerts a pressure because it has (17)............

18. On the up-stroke of the piston, the piston valve of a lift pump is (18)............

19. A space that contains no matter is a (19)............

20. Fires said to be caused by spontaneous combustion are really caused by (20)............

21. Sound, to travel, requires a (21)............

22. The pressure exerted by compressed air is due to (22)............

23. In living plants and animals, respiration takes place in (23)............

24. An instrument used for weighing the atmosphere is a (24)............

25. The process by which iron is given a coating of zinc is called (25)............

Directions: Breathing occurs by means of (a) lungs, (b) lung sacs, (c) stomata, (d) tubes or tracheae, (e) gills, (f) the skin. Insert in the parentheses at the right the letter or letters showing the mode of breathing of each of the following:

6 26. 1. Insects (   )

27. 2. Fishes (   )

28. 3. Dogs (   )

29. 4. Plants (   )

30. 5. Earthworms (   )

31. 6. Birds (   )

[OVER]

Values

Directions: Water has a variety of uses. What fact about water accounts for its use in each of the following:

6   **32.** Making ice cream.   (32)...............................

....

33. Water as a cleaning agent. (33)...............................

....

34. The formation of dew.   (34)...............................

....

35. Hot-water heating system. (35)...............................

....

36. A ship floating in water.   (36)...............................

....

37. Steam engines.   (37)...............................

....

Directions: Under each question, answer in as few words as possible.

2   **38.** In Alberta the average temperature is lower in winter than in summer.

Why? ....

....

2   **39.** A room is warmed by a hot stove in one corner.

Why? ....

....

2   **40.** Electricity can be used as a source of heat.

Why? ....

....

2   **41.** Storm doors and windows are placed on houses in winter time.

Why? ....

....

2   **42.** Wooden handles are placed on home utensils such as irons, tea-kettles, and coffee pots.

Why? ....

....

2   **43.** Rails on a railway track are placed end to end with a short space between the ends of the rails.

Why? ....

....

2   **44.** Two sights are placed on the barrel of a gun.

Why? ....

....

2   **45.** Oil lamps are fitted with wicks which extend to the oil.

Why? ....

....

2   **46.** When a beam of light enters a darkened room through a slit in a blind and falls upon the rough surface of a piece of white paper, the room is at once brighter.

Why? ....

....

2   **47.** When a fuse is destroyed in your lighting system, never replace it by a piece of wire; insert a new fuse.

Why? ....

....

2   **48.** The north pole of a bar magnet attracts the south pole of a compass needle.

Why? ....

....

2   **49.** If a strip of zinc and a strip of copper or carbon are placed in dilute sulphuric acid and connected by a wire, a current of electricity will flow through the wire.

Why? ....

....

2   **50.** State *four* ways in which the human race is dependent for existence on the sun's energy.

1. ....

2. ....

3. ....

4. ....

2 51. Name *four* factors that contribute to soil-making.

1. _____
2. _____
3. _____
4. _____

2 52. Name *four* characteristics of a good garden soil.

1. _____
2. _____
3. _____
4. _____

2 53. State *four* ways in which micro-organisms act as beneficial agents.

1. _____
2. _____
3. _____
4. _____

2 54. State *four* conditions favorable to the growth of micro-organisms.

1. _____
2. _____
3. _____
4. _____

3 55. The following sentences represent the steps of an experiment. Show the proper order for these steps by arranging the letters on the line provided.

(*a*) Before entering a well, lower a lighted candle in a pail.
(*b*) Carbon dioxide does not support combustion.
(*c*) We lighted the splinter and let carbon dioxide flow upon it.
(*d*) Does carbon dioxide support combustion?
(*e*) Take carbon dioxide, a splinter and a match.
(*f*) The flame went out.

(55)_____

3 56. Directions: Draw *three* conclusions from the following observations:

(*a*) A candle in a covered jar soon goes out.
(*b*) A piece of wood lying on the table does not start to burn.
(*c*) Stones placed on a fire do not burn.

Conclusion 1. _____

Conclusion 2. _____

Conclusion 3. _____

HEALTH EDUCATION

Directions: Show by a letter at the right, the group of words that best completes each of the following statements.

10 57. Pasteurization of milk means (a) boiling milk, (b) keeping it at 120 degrees F. for 50 minutes, (c) keeping it at 145 degrees F. for 30 minutes. (57)_____

58. Pasteurization is done to (a) remove dirt, (b) prevent milk from souring, (c) kill harmful bacteria. (58)_____

59. Chlorine may be added to drinking water to (a) remove sediment, (b) kill bacteria, (c) change the taste. (59)_____

60. An artesian well means one that (a) is more than 30 feet in depth, (b) is drilled by means of a well point, (c) is below the first impervious or rock layer. (60)_____

61. Wells are most frequently contaminated by (a) surface drainage, (b) sewage gases, (c) small animals getting into the well. (61)_____

62. In candling eggs for freshness, one considers (a) the size of the egg, (b) the color of the yoke, (c) the air space in the egg. (62)_____

63. Control of the fly pest is best accomplished by (a) screening the doors and windows, (b) proper disposal of refuse, (c) the use of fly paper or fly poison. (63)_____

64. A septic tank is better than a cesspool for disposing of waste because (a) it holds more, (b) it provides for the breaking down of waste by bacteria, (c) it is easier to repair. (64)_____

65. Hard water is not so desirable as soft water for household purposes because (a) the minerals might be poisonous, (b) it stains dishes and pans, (c) it wastes soap. (65)_____

66. Garbage should be wrapped, covered and disposed of at short intervals because (a) it is a good breeding place for flies, (b) the odor is objectionable, (c) it may cause an epidemic. (66)_____

8 **67.** Directions: Write a note on any *one* of the following:

(a) Food values to be considered in planning a good diet.
(b) The control of communicable diseases.
(c) The care of the eyes and prevention of blindness.
(d) Steps to be taken to reduce automobile and traffic accidents.

Answer:

90

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HIGH SCHOOL ENTRANCE EXAMINATION BOARD
DEPARTMENTAL EXAMINATIONS, 1937
GRADE IX

————

MATHEMATICS
General Test

Time—$\frac{1}{2}$ hour.

Directions: Write the answers to as many of these problems as you can in the time allowed. Do not spend too much time on any one question.

1. How many miles East of your starting place would you be if you walked East A miles and then West 3 miles?

You may use this space for figuring.

Answer .... A - 3 .... miles.

2. In finding interest we use the formula $I = prt$. If p, r and t are each divided by 3, how is I changed?

Answer | divided by 3 |

Continue the following series of numbers by writing in the spaces provided for each series the *two* numbers that should come next.

3. 1, 6, 13, 22, 33, 46, | 61 | 78 |

4. 7, 12, 22, 37, 57, 82, | 112 | 147 |

5. 100, 90, 85, 75, 70, 60, | 55 | 45 |

6. $\frac{1}{25}$, $\frac{1}{5}$, 1, 5, | 25 | 125 |

7. 1, 9, 25, 49, | 81 | 121 |

8. 1, 6, 14, 25, 39, [56] [46]

9. How many square inches are there in a plate A feet square?

Answer _____ 144 A _____ sq. in.

10. The circumference of one circle is 3 times that of a second circle. Compare their areas.

Answer _____ 9 x area _____

11. Three boys own a business. A has $20 invested, B $30 and C $40. Of a profit of $$D$, how much should B get?

Answer _____ $\frac{1}{3}$ D _____ dollars.

12. If x oranges cost 8¢, how many oranges can be bought for 56 cents?

Answer _____ 7 x _____ oranges.

13. How many plums can be bought for B cents if 7 plums cost 3 cents?

Answer _____ $\frac{7}{3}$ B _____ plums.

14. 8 ounces of cheese at a¢ a lb. and 3 quarts of vinegar at b¢ a gallon will cost—

Answer _____ $\frac{1}{2}a + \frac{3}{4}b$ = _____ cents.

15. A rectangular block of lead a inches $\times$ b inches $\times$ c inches is melted to form a plate 12 inches wide and $\frac{1}{2}$ inch thick. How long will the plate be?

Answer _____ $\frac{abc}{6}$ _____ inches.

16. If Mary can add x columns while Helen adds y columns, how many can she add while Helen adds 25?

Answer _____ $\frac{25x}{y}$ _____ columns.

17. If $\frac{2}{5}$ of a ton of coal costs $1.50, find the cost of N tons.

Answer _____ $\frac{1.50 \times 5N}{3}$ _____ dollars.

18. The weight of a clock falls 4 inches in 12 hours. In how many minutes does it fall N inches?

Answer _____ 3 N _____ minutes.

19. How far will a man walk between 9:15 a.m. and 10:45 a.m. if he can walk $1\frac{1}{4}$ miles in 18 minutes?

Answer _____ 18 _____ miles.

20. A plank B feet long is cut into two pieces so that one piece is $\frac{3}{5}$ as long as the other. How long is the shorter piece?

Answer _____ feet.

21. A piece of wire N inches long is cut into two pieces so that one piece is $\frac{7}{8}$ as long as the other. How long is the longer piece?

Answer _____ inches.

22. How many pieces of ribbon each $1\frac{1}{2}$ ft. long can be cut from a piece A yards in length?

Answer _____ $\frac{12A}{5}$ _____ pieces

23. How many right angles are there at the corners of a cube?

Answer _____ 24 _____

24. $D more than $\frac{1}{8}$ of my money is $\frac{1}{6}$ of my money. How much money have I?

Answer ____6D____ dollars.

25. A plot of ground A ft. square has a walk B ft. wide around it. How many feet is it around the outside of the walk?

Answer ____4A + 8B____ feet.

26. My brother is 28 years old. I was born when he was 21 years old. Add our two ages together.

Answer ____35____ years.

27. A motor car goes $7\frac{1}{2}$ times as fast as a horse. How long will it take the car to make a trip that the horse makes in x hours?

Answer ____$\frac{2}{15}$ x____ hours.

28. A mixture contains 3 parts sugar and 2 parts salt. How many pounds of salt in D pounds of the mixture?

Answer ____$\frac{2}{5}$ D____ pounds.

29. If 1 is added to the product of two numbers the result is 25. The difference between the two numbers is 5. What is the larger number?

Answer ____4____

30. A boy bought a bicycle for $15 and sold it for $18. What was his gain per cent?

Answer ____20%____

31. A man is 20 miles from town and walking away from town at the rate of 6 miles per hour. A friend leaves town by automobile with the intention of overtaking the man who is walking. He overtakes him in 20 minutes. How fast was the car going?

Answer ____66____ miles per hour.

32. If 6 men can do a piece of work in A days, how many men would be needed to get it done in B days?

Answer ____$\frac{A}{6}$ AB____ men.

33. John is 22 years old. His father is 41 years old. How many years ago was the father exactly twice John's age?

Answer ____3____ years.

34. A square field and a rectangular field each have a perimeter of x feet. Is the area of the rectangular field greater than, equal to, or less than the area of the square field?

Answer ____less____

35. A taxi company observes that on the average its 3 cars use a total of 100 gallons of gasoline every 7 days. At this rate how many gallons would x cars use in y days?

Answer ____$\frac{100 xy}{21}$____ gallons.

Financial Report of Christmas Concert-Tree
Revero School, 1946.

	$	$	$	$
Cash Balance from 1945	16	76		
Money raised from party plus donations 1946	28	00		
Sale of extra's (apples etc, 1946)	5	00		
Total Cash	49	76		

Expenses
Prizes for party				52
Gifts from Eatons			30	29
Express charges & money order			2	00
Extra Gifts from Grande Prairie			4	85
Candy, oranges etc			8	40
Total Expenses			46	06
Cash Balance on hand			$3	70

William Taylor

Certificate of Promotion

This Is To Certify That

_____

has satisfactorily completed the Course of Study
prescribed for the _____ of the
School and is therefore entitled to this testimonial
and admission to the _____
Given at _____ this _____ day of _____ 19____

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_____ Teacher.