



Board of Examinations for Seafarers Trust Common Entrance Test for GP ratings June 2012 (Question and Answer Book)

Name of the candidate: →		Signature →	
BES Code No.	Roll No.	Exam Room No.	

Write BES Code No. on each page in the given space

Signature of invigilator →	
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Instructions to the Candidate: **Maximum time allowed** **1.5 hours**

1. Keep your admit card for viewing by the invigilator. Do not exchange your seat with any other candidate
2. This booklet contains 7 printed pages. Check if any page is missing or not printed properly.
3. All answers to be written within the space provided with each question.
4. All questions are compulsory and must be answered in **English** only.
5. **Candidate who disobeys instruction or adapts unfair means will be asked to leave the examination hall immediately. Name of the candidate will be reported to the Authority.**
6. This Question and Answer Book must be returned at the end of examination.
7. Use black or blue pen only for writing answers.
8. Start writing only when asked to do so by the invigilator.
9. No candidate will be allowed to leave the room within first 45 minutes and last 20 minutes.
10. Time will be announced 10 minutes before the end. You will not be allowed to leave until the invigilator has collected and counted all question and answer book.
11. **No permission will be granted for going to toilet.** Water will be supplied within the hall. Any abnormal health conditions must be declared before the commencement of the examination.
12. Do not exchange writing material (e.g. pen, paper, etc.) with any other candidate. If you need something, raise your hand to get attention of the invigilator.
13. No calculators or mobile phones allowed inside the examination hall/room.
14. This paper has three sections. All the sections are compulsory. You are expected to score a minimum of 40% marks in each section. The distribution of the marks is as follows:
15. **Advise: if you can't finish the first part in 30 minutes – move to the next – and next**

Sect. 1 English (50 marks)			Sect. 2 Science (50 marks)			Sect. 3 Mathematics (50 marks)			Remarks of examiner's, if any	
Q. No	Max Marks	Score	Q. No	Max Marks	Score	Q. No	Max Marks	Score		
1	10		1-2	10		1	12			
2-3	10		3	20		2-3	8			
4-5	10		4	5		4	20			
6	10		5	15		5	10			
7	10									
Total			Total			Total				
Signature of examiner/ dt			Signature of examiner / dt			Signature of examiner/ dt				
Name:			Name:			Name:				
Moderator's Name:					Signature & Date					

Section 1 English

Q1. Make Sentences

(10 Marks)

Word	Write a sentence with the word within the space given below
.1 Banana	
.2 Fly	
.3 Dance	
.4 Attitude	
.5 study	
.6 Birth	
.7 Long	
.8 Behind	
.9 Saucer	
.10 Cloud	

Q2. Match the words in Column I to their opposite given in Column II (5 Marks)

Column I	Column II	Column I	Write the opposite word
.1 Dark	a) Tail	.1 Dark	
.2 Head	b) Impossible	.2 Head	
.3 External	c) Liquid	.3 External	
.4 Solid	d) Internal	.4 Solid	
.5 Possible	e) Light	.5 Possible	

Q 3. Complete the sentences below with the correct form of **and** or **but**: (5 Marks)

- The lion cub lived with mother _____ father.
- Ice is cold _____ coffee is hot.
- I searched for my books _____ could not find it.
- I ate apples _____ oranges for breakfast.
- The dog chased the squirrel _____ could not catch her.

Q 4. Fill in the blanks with one of the preposition given in the bracket: (5 Marks)










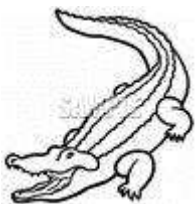
- The ice cream is _____ the cup. (in/ over/under/into)
- A wicked giant came _____ the kingdom. (into/ on/over/in)
- A stone fell _____ the ground after ten minutes. (on/ near/over/in)
- The dog laughed to see the cow jump _____ the moon. (in/after/over/ under)
- Please put your bag _____ the table. (after/ on/in/over)

Q 5. Fill in the blanks with correct word given within the bracket: (5 Marks)

1. My friend's _____ after one _____ (hour/are)
2. I bought _____ books _____ my sister. (for/ four)
3. This is the _____ way to _____ your name. (write/ right)
4. The kangaroo has _____ short legs and _____ long ones. (two/ too/ two)
5. Aunt Anjali _____ to see _____ children. (happy/ the/ Anjali)

<p>Q 6 Read the following passage given below, and answer questions related to the passage. (10 marks)</p> <p>During the summer holidays Rahul with his parents, and his sister went to Goa. They had a great time there. On the way they saw the road signs for Alibaug, Matheran and Neral. The toy train for Matheran starts from Neral. They stayed at Goa in a hotel, which was near the sea. Through the windows they could see the beach. Lots of tourists sat under the beach umbrella. All around them they could hear the sound of waves. Just across the road there was a restaurant where they ate good seafood. There was a little shop besides the hotel which sold lovely handicraft.</p>	Write the answers in the blank space below each question.	
	1.1	Where did Rahul went in his summer holidays?
	1.2	With whom did Rahul go for his summer holidays?
	1.3	What could they see through the windows?
	1.4	What did the little shop sell?
	1.5	Where from the toy train start for Matheran?

Q 7. Identify the pictures and write their names within the given space (10 Marks)

				
.1	.2	.3	.4	.5
				
.6	.7	.8	.9	.10

Section 2 Science

Q 1. Match the Column (5 Marks)

	Column I		Column II		Column I	Choose from Column II and write
1.	Cool	a	Storm	1	Cool	
2	Too much rain	b	cloudy day	2	Too much rain	
3	Rainy season	c	floods	3	Rainy season	
4	Strong winds	d	loo	4	Strong winds	
5	Hot winds	e	monsoon	5	Hot winds	

Q 2 Fill in the blanks using any of the given words (5 Marks) (Skeletal, kidneys, heart, cells, mouth)

- All body parts are made up of different kind of _____.
- Saliva is present in the _____.
- The _____ pumps blood to all the parts of the body.
- The _____ give proper shape to the body.
- The _____ remove out waste in the form of urine.

Q 3 Out of the four given options only one is correct. ✓ (tick) only one A, or B, or C, or D. (20 Marks)

.1	Mercury is a A) Metal B) Liquid C) Gas D) Vapour	.6	Sodium bicarbonate is known as A) washing soda B) baking soda C) soda ash D) mohr's salt
.2	Carbon dioxide is ... A) lighter than air B) as heavy as air C) heavier than air D) Heavier than water	7.	Sodium hydroxide is a A) gas B) solid C) alkali D) Acid
.3	Dry ice is A) a type of stone B) solid carbon dioxide C) solid oxygen D) dry water	8.	The weight of liquid displaced by a floating object is : A) Double the weight of object B) Less than the weight of the object C) More than the weight of the object D) Equal to the weight of the object
.4	. H ₂ SO ₄ is a A) alkali B) acid C) salt D) solid	9.	The apparent depth of an object placed in a denser medium and seen through a rarer medium is : A) Greater than the real depth B) Less than the real depth C) Equal to the real depth D) Double its real depth

.5	Copper sulphate is commonly known as		10.	The stored ability to do the work is called as : A) Force B) Energy C) Momentum D) Power
	A) Blue vitriol B) Green vitriol C) Alum D) Quick lime			

Q 4 Fill the correct choice. (5 Mark)

-have their own lights. (Star / Planets).
- The Earth revolves around the (sun / moon).
- Under high pressure liquid will haveboiling temperature. (High/Low)
- Theis smaller than the earth. (sun / moon).
- The material used for fuse has a melting point. (High/Low)

Q 5 Give reason of the following (you can include name or formula) (15 Marks)

Give reasons why

1. A pressure cooker is used for cooking food
2. A bullet shot from a gun goes well inside a wooden block but a thrown by hand does
3. Temperature of boiling water does not rise, even if heated further.
4. The outer surface of a glass containing ice-cubes becomes wet in a short time.
5. Balance the following equations : $\text{Mg} + \text{O}_2 \rightarrow \text{MgO}$

Section 3 Mathematics**(Use last page for rough work) Show calculations for each question****Q 1 (2 marks each) (total 12 marks)**

A) Find out which of the following sequences are arithmetic progressions. If the sequence is an A.P., find common difference and write the next two terms.

2, 6, 10, 14,

B) Find the sum of 28.25; 18.52; 69.13 **(2 marks)**

C) Write the next number in the following sequence **(2 marks)**

a) 1, 5, 9, 13 _____

b) 2, 4, 8, 16, _____

D) Write the following in percentage form **(2 marks)**

a) $2/5 =$ %

b) $25/125 =$ %

E) Solve $\{(29 - 4) - (6+4) \times 2\} \div 5$ **(2 marks)**

F) Dia of a circle is 28 cm. Find its **(2 marks)**

i) Circumference:

ii) Area:

Q2 A cylindrical cone has base Dia = 14 cm and Height = 24cm. ($\pi = 22/7$) (4 marks)
Find

a) the volume of the Cone?

b) Surface area ?

Q3 For **right angled triangle** - Height = 12 cm; Hypotenuse : 13 cm = B cm. write the formula for: **(4 Marks)**

i) Base =

ii) Area =

Q 4 Calculate within the given space (show calculation for each): 20 marks (5 for each)

.1	A farmer borrows Rs. 1,000 and agrees to repay with a total interest of Rs. 140 in 12 installments, each installment being less than the preceding installment by Rs. 10. What should be his first installment?
.2	A man puts Rs 2000 in the bank at 5% simple interest. Find the maturity amount after 2 years.
.3	A man is older than his son by 20 years. What would be their age difference after 5 years?
.4	In a right angled triangle of lengths Hypotenuse : 5 cm , Perpendicular : 4 cm and base : 3 cms, find $\sin x$, $\cos x$ and $\tan x$.

Q 5 Solve the equation

.1	The sum of two numbers is 15 and their difference is 1. Find the numbers (4 marks)
.2	Find the value of x and y if: $x + y = 5$ and $3x - 2y = 10$. (3 marks)
.3	Simplify $(9x - 6) - (3x + 2) = 0$ (3 marks)