



UPKAR'S

Indian Coast Guard

NAVIK

Recruitment Exam.

GENERAL DUTY



Dr. M. B. LAL



UPKAR'S

Indian Coast Guard

NAVIK

Recruitment Exam.

GENERAL DUTY

By

Dr. M. B. Lal

UPKAR PRAKASHAN, AGRA-2

Introducing Direct Shopping

Now you can purchase from our vast range of books and magazines at your convenience :

- Pay by Credit Card/Debit Card or Net Banking facility on our website www.upkar.in OR
- Send Money Order/Demand Draft of the print price of the book favouring 'Upkar Prakashan' payable at Agra. In case you do not know the price of the book, please send Money Order/Demand Draft of ₹ 100/- and we will send the books by VPP (Cash on delivery).

(Postage charges FREE for purchases above ₹ 100/-. For orders below ₹ 100/-, ₹ 20/- will be charged extra as postage)

© Publishers

Publishers

UPKAR PRAKASHAN

(An ISO 9001 : 2000 Company)

2/11A, Swadeshi Bima Nagar, AGRA-282 002

Phone : 4053333, 2530966, 2531101

Fax : (0562) 4053330, 4031570

E-mail : care@upkar.in, **Website :** www.upkar.in

Branch Offices :

4845, Ansari Road, Daryaganj,
New Delhi—110 002

Phone : 011-23251844/66

Pirmohani Chowk,
Kadamkuan,

Patna—800 003

Phone : 0612-2673340

1-8-1/B, R.R. Complex (Near Sundaraiah
Park, Adjacent to Manasa Enclave Gate),
Bagh Lingampally,

Hyderabad—500 044 (A.P.)

Phone : 040-66753330

28, Chowdhury Lane, Shyam
Bazar, Near Metro Station,
Gate No. 4

Kolkata—700004 (W.B.)

Phone : 033-25551510

B-33, Blunt Square, Kanpur
Taxi Stand Lane, Mawaiya,

Lucknow—226 004 (U.P.)

Phone : 0522-4109080

- *The publishers have taken all possible precautions in publishing this book, yet if any mistake has crept in, the publishers shall not be responsible for the same.*
- *This book or any part thereof may not be reproduced in any form by Photographic, Mechanical, or any other method, for any use, without written permission from the Publishers.*
- *Only the courts at Agra shall have the jurisdiction for any legal dispute.*

ISBN : 978-81-7482-280-2

Price : ₹ 185.00

(Rs. One Hundred Eighty Five Only)

Code No. 893

Printed at : UPKAR PRAKASHAN (Printing Unit) Bye-pass, AGRA

Contents

Part-I

General Mental Ability	1-48
------------------------------	------

Part-II

English.....	1-48
--------------	------

Part-III

Mathematics	1-56
-------------------	------

Part-IV

General Science	1-80
-----------------------	------

Part-V

General Knowledge	1-48
-------------------------	------

General Information

● Educational Qualification

10 + 2 passed with 60% marks aggregate in total and minimum 60% in each subject of Maths and Physics from an education board recognised by Central/State Government. (Maximum 5% relaxation only in aggregate marks of the above percentage for SC/ ST candidates, sports person of National level (Interstate and above) and wards of Coast Guard uniform personnel deceased while in service.)

● Selection Procedure

The 'Online' Applications will be sorted out centre wise. Date, time and venue of the recruitment will be intimated through personal email ID. Selection procedure is as follows :

- Short-listing criteria will be based on higher percentage of marks for a particular examination centre. SC and ST candidates will be given due weightage while short listing.
- The qualifying cut off percentage of a particular centre may be increased if more number of applications with higher percentage are received.
- The written tests will be of objective type, which will generally cover subjects such as Maths, Physics, basic Chemistry, knowledge of English upto 12th standard, general knowledge, current affairs, quantitative aptitude and reasoning.
- Those who qualify written tests will undergo Physical Fitness Test and Initial Medical Examination (Preliminary). The testing procedure will take 2-3 days.

Candidates belonging to the physically handicapped category are not eligible to apply for this examination.

- The Physical Fitness Test will be conducted for all those who qualify the written tests. The PFT will consist as under :
 - * 1.6 Km run to be completed in 7 minutes.
 - * 20 squat ups (Uthak Baithak)
 - * 10 Push ups. Candidates undergoing PFT will do so at their own risk.
- Candidates who qualify the Physical fitness test will only be required to

undergo initial recruitment medical examination at the respective recruitment centres or any other place as decided by the Coast Guard.

- Based on the performance in the written examination, candidates will be shortlisted for medical examination in a ratio as may be decided by Coast Guard.**

- The select list will be prepared from the candidates who qualify in all the tests depending upon the available vacancies. The Zone wise select list of candidates will be displayed in the **Indian Coast Guard Website www.joinindiancoastguard.gov.in** It is clarified that **select list will be zone wise and not centre wise.**

● Medical Standard

- Height**—Minimum height 157 cms. Reduction in height for candidates from hilly and tribal areas will be in accordance with the Central Govt. orders.
- Chest**—Should be well proportioned. Minimum expansion 5 cms.
- Weight**—Proportionate to height and age \pm 10% acceptable.
- Hearing**—Normal.
- Medical examination will be conducted by authorised military doctors as per medical standard prescribed in current regulations applicable to Enrolled Personnel on entry.
 - * Candidates are advised to get their ears cleaned for wax and tartar removed from teeth prior to examination.
- Visual Standards**—6/6 (Better Eye) and 6/9 (Worse Eye) (Candidates using glasses are not eligible)

Note : Candidates with above broad medical standards are only to appear for the selection. No waiver will be given for the above standards. The Coast Guard order on medical standards of the Naviks will be the final authority in case of dispute.

Applicants declared permanent medically unfit by any Armed Forces Hospital in previous recruitment for the same entry in Coast Guard are advised not to apply.

General Intelligence Ability

CHAPTER 1

SERIES

Series consists of some numbers, alphabets and/or signs which go on changing in a specific order. Candidates are required to find out that specific order in which the given numbers etc., are changing and also to detect which numbers etc., would come in the next place of the series, if numbers etc., go on changing in the same order. Generally four or five alternative answers are given and only one of them is correct. Candidates are required to find out that correct answer and mark its serial number/letter on his answer sheet.

Below are given few illustrations to explain the questions on series :

Note : Find out which one of the following answers would correctly fill in the blank space in the series :

1. ● Δ ‡ ○ □ + Δ ○ ‡ □ + ○ ?
 ○ + □ ● ‡ Δ □ ● + Δ ‡ ●
- (A) ● + □ (B) Δ ‡ ●
 Δ ○ ‡ □ + ○
- (C) ○ Δ + (D) Δ ‡ +
 □ ● ‡ ● □ ○
2. 5, 8, 13, 20, 29,
- (A) 40 (B) 39
 (C) 41 (D) 43

Problem Figures

1.

S	○	★	□
★	△	S	C
C	★	○	C
2.

△	D	C	○	D	C	○	△
○	C	D	△	△	○	C	D

3. Bm, Cn, Do, Ep,
- (A) Fr (B) Gl
 (C) fQ (D) Fq

Answers With Explanation

1. (B) The black circle is rotating anticlockwise and blank circle rotating clockwise in each figure. Δ small triangle and a square have interchanged their positions. Sign ‡ is in upper line and sign + is in lower line in fig. (1) and vice versa in subsequent figure.
2. (A) The difference between 1st and 2nd terms is of 3 while the same between 2nd and 3rd terms is of 5. Hence there is an increase of 2. In other subsequent figures, the difference goes on increasing by 2. Consequently the difference between 29 and the required figure should be of 11. Hence it should be 29 + 11 = 40.
3. (D) In each terms 1st letter is capital while 2nd letter is small. The letters are in alphabetical order beginning from B and m. Hence in the next term 1st letter should be capital F and second should be small q.

Directions—(Q. 1 to 7) In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

Answer Figures

- (A)

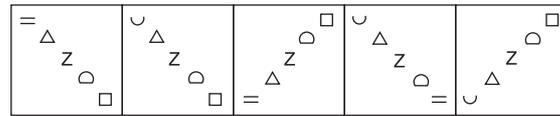
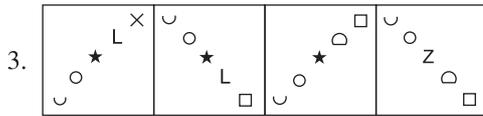
Z	C	Z	○	Z
□	C	○	★	□
★	□	○	★	○
- (B)

C	○	★	C	□
□	□	C	□	C
★	□	○	★	○
- (C)

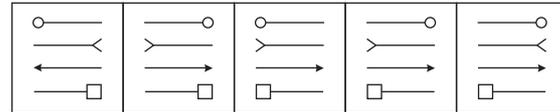
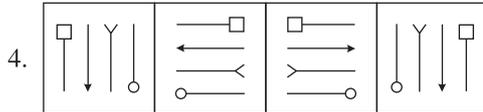
Z	○	Z	○	Z
□	C	○	★	□
★	□	○	★	○
- (D)

○	△	△	D	D
C	D	○	C	△
○	C	○	C	○
- (E)

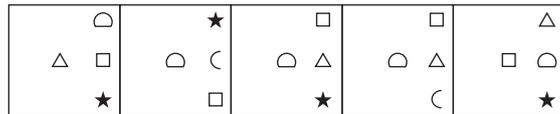
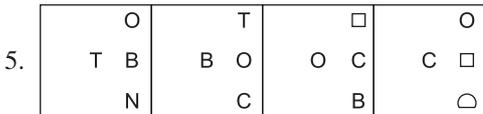
Z	○	Z	○	Z
□	C	○	★	□
★	□	○	★	○



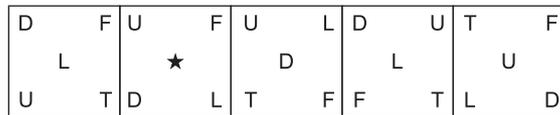
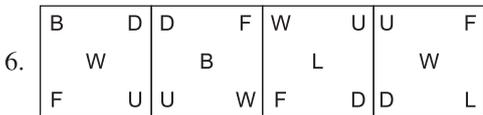
(A) (B) (C) (D) (E)



(A) (B) (C) (D) (E)



(A) (B) (C) (D) (E)



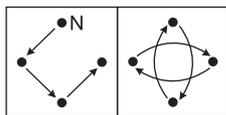
(A) (B) (C) (D) (E)



(A) (B) (C) (D) (E)

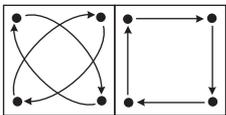
Answers With Explanation

1. (C) In each subsequent figure the designs shift as follows and a new design forms at the place of 'N' :



From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)

2. (B) In each subsequent figure the designs change their places as follows :

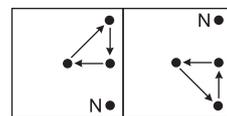


From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)

3. (A) In second figure from first the diagonal line of five designs rotates 45° clockwise and the first design of one end forms new. In third figure from second, the same diagonal line of five designs forms after rotating 45°

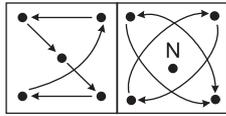
anticlockwise and the second design of the same end forms new. Hence, above both changing sequences continue further respectively.

4. (D) In second figure from first, all the designs form after rotating 90° clockwise and in the third figure from second the all designs form after reversing on the same place. Hence, the above both changing sequences continue further respectively.
5. (C) In each subsequent figure the designs shift as follows and a new design forms at the place of 'N' :



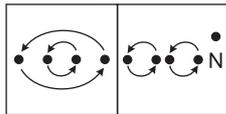
From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)

6. (A) In each subsequent figure, the designs change their places as follows and the new design forms at the place of 'N' :



From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)

7. (E) In each subsequent figure, the letters change the places as follows and the new letter comes at the place of 'N' :



From (1) to (2) (2) to (3)
(3) to (4) (4) to (5)

Problem Figures

1.

2.

3.

4.

5.

6.

7.

Exercise

Directions—(Q. 1-20) In the following questions, the figures are in two groups; the first group is of 'question-figures', while the other one is of 'answer-figures'. Question figures are changing in a specific manner and they make a series. If question figures continue to change in the same manner, which one of the answer figures would come next in the series of question figures ?

Answer Figures

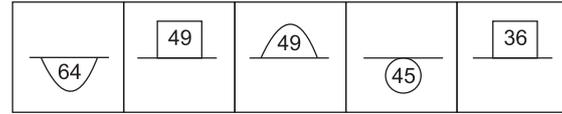
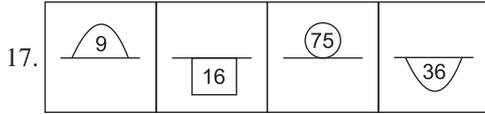
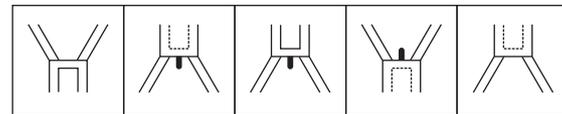
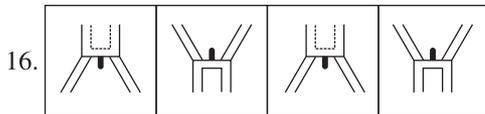
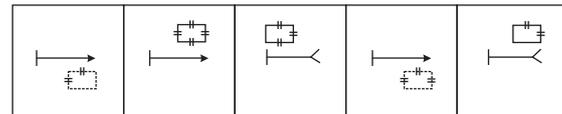
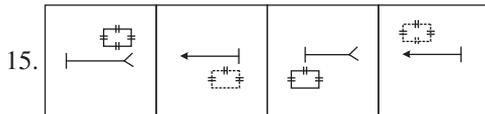
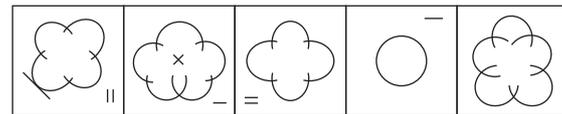
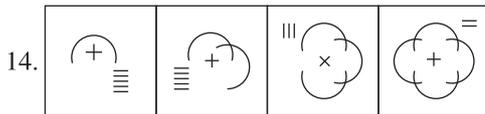
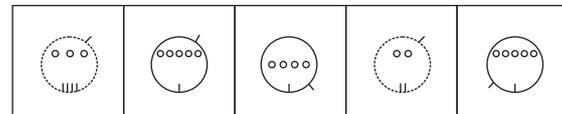
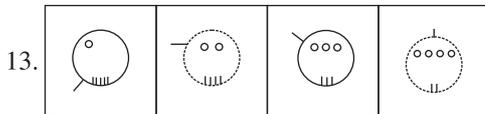
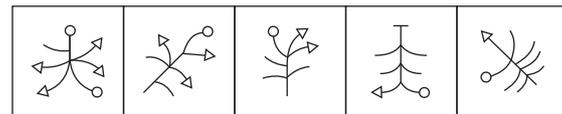
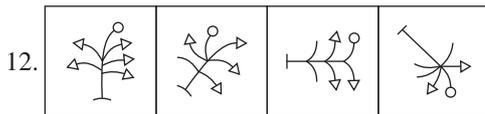
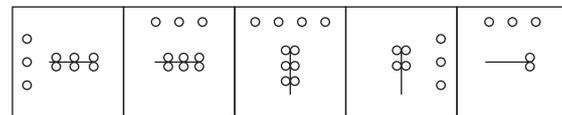
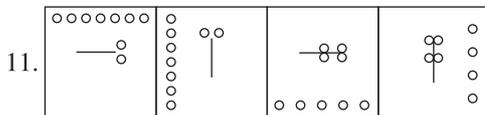
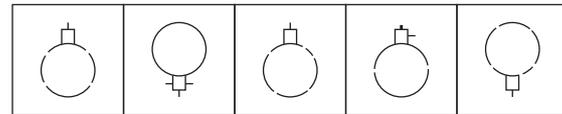
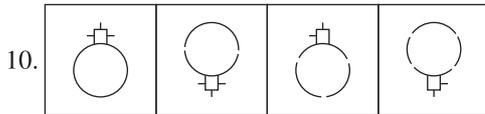
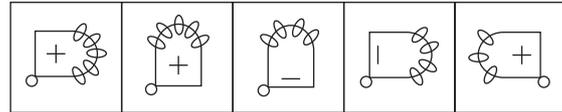
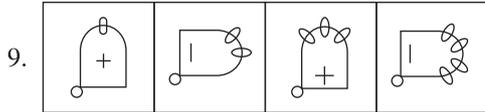
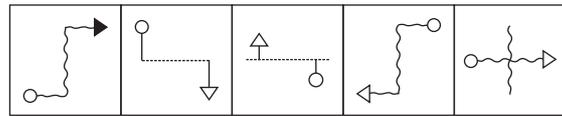
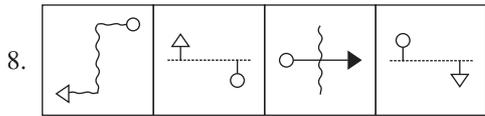
(A)

(B)

(C)

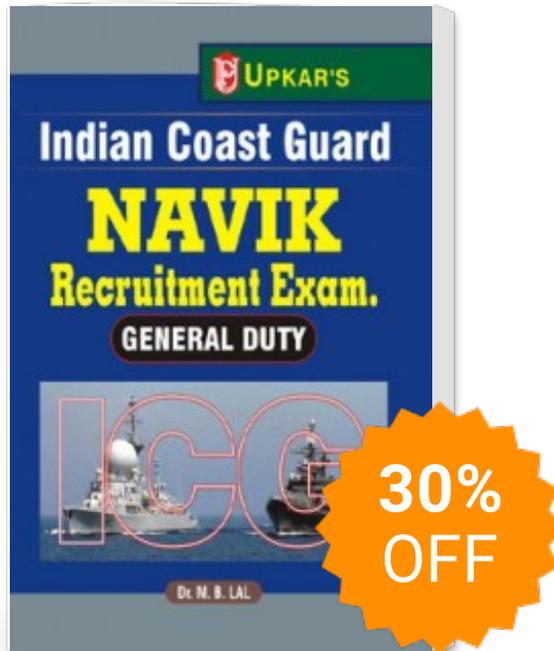
(D)

(E)



(A) (B) (C) (D) (E)

Indian Coast Guard Navik Recruitment Exam. (General Duty)



Publisher : **Upkar Prakashan**

ISBN : 9788174822802

Author : **Dr. M. B. Lal**

Type the URL : <http://www.kopykitab.com/product/4998>



Get this eBook