

INSTRUCTIONS FOR PERSONAL WATER CRAFT OPERATORS' EXAMINATION

Boat's Operators Examination Agency

Precautions for Examination

1. Be aware that you may not be allowed to take the examination if you are late meeting for the examination.
2. Be forewarned that the examination may be discontinued in the following cases:
 - (1) When the examinee does not follow the examiner's instructions.
 - (2) When the examinee conducts a dishonest or dubious act.
 - (3) When the examiner judges that the examinee is physically or mentally unfit to continue the examination.
3. Do not smoke during examination. Please refrain from drinking and eating during examination. Even if ready and waiting, please refrain from talking at examinational room.
4. About the handling of the admission card:
 - (1) Each time of the examination, the examiner checks your identification by the admission card. So be sure to carry on admission card to the examination.
 - (2) Please remember your examinee's number. The examiner calls you the number during the examination, and announcement of examinational results by the number.
 - (3) Any corrections of the entry in an admission card (name, birthday, sex, etc...) should be notified to examiner.
5. About the announcement of examinational results
 - (1) The examiner tells you only the announcements of physical examinational results in conversation at that place.

Written and practical examinational results are put an announcement at the examination agency's office.

And you can get the results at our web site (<http://www.jmra.or.jp/>).
 - (2) The physical examinational valid term is one year. The written and practical examinational valid terms are two years.

If you resit the examination during the pass is in force, you can skip the examination.
 - (3) The examination agency will give a certificate of passing the personal water craft operator's examination (The term of validity is one year) those persons who passed all three parts of the physical, written and practical examinations.

Each person passing these three parts should apply for a license within the term of validity.

Physical Examination

1. The physical examination includes examinations for eyesight, hearing, color blindness, diseases and physical handicap. Please bring glasses if you need one.
2. Passing standards for the physical examination are as follows:
 - (1) Eyesight: Minimum 0.5 for each eye (Corrected eyesight by wearing glasses is allowed).
 - (2) Color Blindness: It is required that you are able to distinguish ship's lights at night.
 - (3) Hearing: To be able to hear normal conversation at a distance of 5m (Using a hearing aid is allowed).
 - (4) Disease and Handicap: A minor symptom or minor handicap is permitted if you can operate the equipment without any problems.

Note: An examinee who may not pass the above standards for the physical examination, please consult with Examination Agency's office before applying an examination.

If you don't pass the physical examination, you can not take the written and practical examination.

Written Examination

1. Subject to be taken and examination period

Written examination is general knowledge and rules, steering and sailing rules and operation. The examination period is 50 minutes. But those examinees who held already license are excepted subject to be taken and reduced examination period. (refer to the following table.)

| Type of License Held | Test Subject to be Taken | Examination period |
|-----------------------------|--------------------------|--------------------|
| First Class Second Class | Operation | 20 minutes |

2. Scoring and Passing Standard for the Written Examination

| | Test Subject | | | Total |
|--|-----------------------------|----------------------------|---------------------------|----------------------------|
| | General Knowledge and Rules | Steering and Sailing Rules | Operation | |
| Score | 120 | 100 | 180 | 400 |
| Passing Standard (Required all items) | 6 Correct As. / 12 Qs. | 5 Correct As. / 10 Qs. | 9 Correct As. / 18 Qs. | 26 Correct As. / 40 Qs. |

Note: The minimum passing score is required 50% for each subject and 65% for total score.

3. Precautions for written examination

- (1) Please bring tools of writing (pencil or mechanical pencil, eraser). Prohibit lending and renting the tools during examination.
- (2) The device that has functions of communication, calculation and so on is not allowed to use. (Not put on the desk.)
- (3) During examination, if you have a question, please get your hands up. But we can not answer about the examinational question.
- (4) During examination, you can not enter and exit the examinational venue without examiner's authorization.
- (5) If you complete the examination early, you may exit the venue. But you cannot bring the examination paper within 30 minutes after starting the examination.
And after all of the examinee finish the written examination, examiner start to explain the practical examination, so please wait near the examinational venue.
- (6) If you finish the written examination, please take examination paper home.(except case above)

Practical Examination

1. The Personal Water Craft used on practical examination is a three-seat sitting-type water scooter.(hereinafter called PWC.) The examiner will ride on the backseat of the PWC. Examination period per examinee is approximately 15 minutes.

2. Scoring and Passing Standard for the Practical Examination

| | Practical Examination | | Total |
|-------|-----------------------|-----------|-------|
| | Handling of PWC | Operation | |
| Score | 80 | 220 | 300 |

Note: The minimum passing score must be 70% of a total score.

3. Precautions for practical examination

- (1) Read the contents of the “**written consent**” for taking the practical examination, and place your signature on the “**written consent**” and submit it prior to the examination. The practical examination will be given only to those who have submitted the “**written consent**”. If you are under 20 years old, you need to have the **consent** of your parental authority.
- (2) You should wear clothes suitable for getting wet and preventing the impacts of falling overboard. Wearing only swimwear or sandals (sandals affixed to heels are permitted), or being barefooted is not allowed for the examination.
- (3) In case the examiner judges not carrying out the examination safely by the atmospheric and oceanographic phenomena, it may be canceled the examination.
- (4) Please protect your property. We cannot be responsible for lost or stolen items.
- (5) Please observe the following while waiting for the examination.
 - 1) Do not smoke at undesignated places. Smoking is allowed only in designated areas having ashtrays.
 - 2) Do not touch any stored boats, PWC and equipment in the facility area.
 - 3) Do not go on the pier without permission. Do not get on and off examination scooter without examiner’s authorization.
- (6) After finish the examination (get off a PWC), you are free to go home.

4. Precautions during practical examination

- (1) When you finish each instructed item, make sure you report to the examiner telling that “task completed” or “finished”.
- (2) If you can not hear the instructions of the examiner, please do not hesitate to ask the examiner to repeat them.
- (3) It may stop the item in between times which has a time limit.
- (4) During operation, be careful about movements of the other ship and condition of the water, and try to operating safety.
- (5) When the examiner taps your shoulder, quickly reduce your speed to dead slow.
- (6) In an emergency case, the examiner may conduct a “emergency engine stop switch” to secure safety.

5. About the speed

- (1) 「Medium speed」 suggests that can keep the PWC planning on water (approximately 25 to 40 km/hr).
- (2) 「Stop」 suggests reducing the speed to dead slow (slightly moving ahead with the throttle in the off position).

6. Prior to the actual operating examination, there is a chance to operate the PWC in order for each examinee get familiar with the PWC. During this trial operation, you should get accustomed to the equipment and the feeling of the speed by running at a low or a medium speed and turn the handle to right and left (The trial operation will not be scored for the examination.).

7. Outline of the Practical Examination

(1) Handling of PWC

1) Inspection before Departure: The inspection must be conducted on the PWC on land. The check items are listed below (A) (B) (C). The examiner gives instructions to you 2 items each. Please check the item by suitable method. (2 Minutes Total)

| (A) Hull | (B) Engine | (C) Legally Required Equipment and Documents |
|-------------------|------------------------------|--|
| 1 Hull | 1 Bilge | 1 Life-jackets |
| 2 Seats · Hatches | 2 Amount of fuel oil | 2 Whistle (sound signal apparatus) |
| 3 Handle bar | 3 Fuel oil tank cap | 3 Hand flares |
| 4 Throttle | 4 Fuel oil cock | 4 Mooring rope |
| 5 Shift | 5 Water separator | 5 Ship Inspection Certificate |
| 6 Jet intake | 6 Engine oil | 6 Ship Inspection Record Book |
| 7 Jet nozzle | 7 Battery | |
| 8 Drain plugs | 8 Emergency engine stop cord | |
| | 9 Amount of cooling water | |

2) Knotting: Demonstrate among bowline knot, clove hitch, single sheet bend, cleat hitch. (30 Seconds)

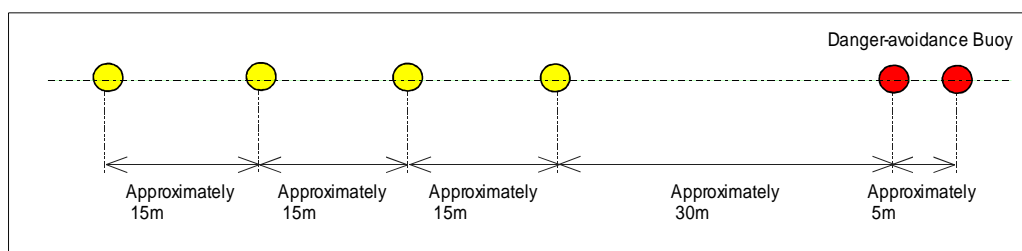
3) Engine Start and Stop: Receive an emergency engine stop cord from the examiner and wear it, put the shift lever in reverse, confirm safety of the fellow passenger and around, then start the engine. / Stop the engine in accordance with the instructions of the examiner. (30 Seconds each)

(2) Operation

1) Confirming safe conditions: During operating examination, except for the figure-8 turn and slalom, maintain a proper lookout.

2) Start · Stop: When you start, confirm safety by carefully checking your surroundings. Be careful not to start abruptly. When you stop, confirm safety behind PWC. Be careful not to reduce the speed abruptly.

3) Course Runs: For the course-run examination, you should run “**Course 1**” first then “**Course 2**” as shown below.



Pay attention to the following matters for the course-run test:

) The starting and finishing lines of the course-run test are by the two

danger-avoidance buoys (two buoys at intervals of 5 meters). You may start either on the right side or left side of these danger-avoidance buoys.

-) Run at a medium speed during course-run examination. Regulate the speed as necessary within the limits of a medium speed by taking into account the turning radius when you make a turn. But pay attention that “Danger Avoidance” operation is different from the normal turn.
-) Following cases, the course runs is failure.
 - A) Deviate from the proper course.
 - B) Come in contact with the buoys.
 - C) In case of falling overboard including fellow passenger.
 - D) You can not operate the PWC in the designated speed (temporary reduce is allowed).
-) If you fail the course runs, it may examine again.

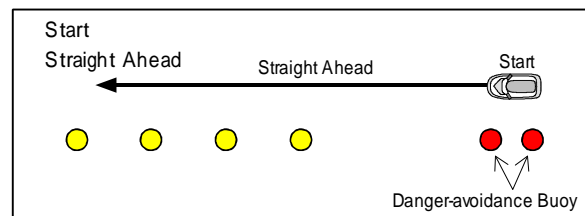
Outline of each test course and precautions for the examination are as follows:

Course 1: Start → Straight Ahead → Single Turn → Danger Avoidance

→ **Single Turn → Stop**

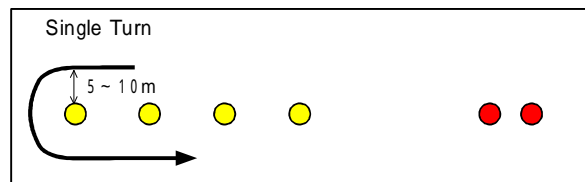
Start: Confirm safety then start.

Straight Ahead: Run straight ahead at a medium speed parallel to the buoys.

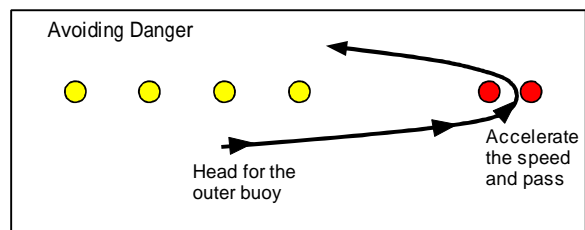


Single Turn: Turn around a buoy at a medium speed by keeping a distance of 5 to 10 m from the outermost buoy.

- Confirm safety in the turning direction and make a turn.



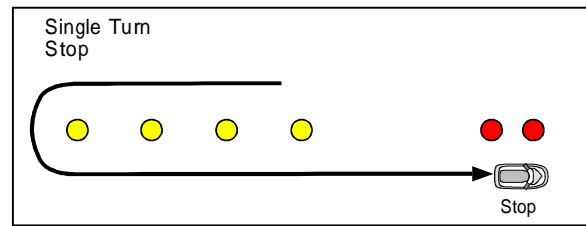
Avoiding Danger: Turn the PWC quickly while accelerating then proceed between the danger avoidance buoys.



- After single turn, head for the outer danger avoidance buoy. And when bow of the PWC beside the inner buoy, confirm safety then turn the handle and accelerate at once and proceed between the two buoys by turning PWC quickly.
- Even in emergency situation, not fail to conduct the proper checks on safety of the fellow passenger and own. It is the important point that accelerating the speed when avoiding, but it is necessary to adjust the speed not to be thrown of the PWC and overturned because of the over acceleration.

Single Turn: After the avoiding danger maneuver, do single turn over again.

Stop: Confirm safety behind PWC and stop.

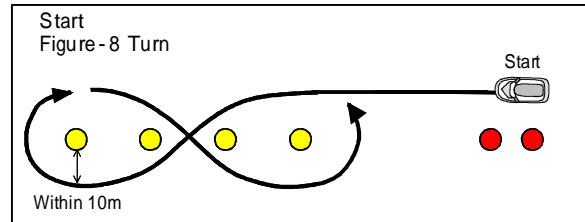


Course 2: Start → Figure-8 Turn → Slalom → Stop

Start: Confirm safety then start.

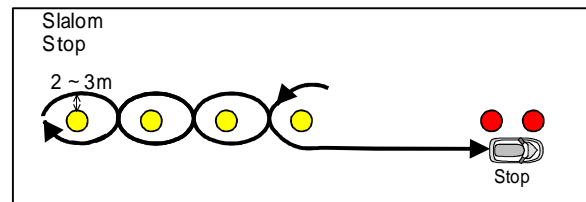
Figure-8 Turn: Make a figure-8 turn at medium speed using the equally spaced four buoys.

- Be proceeding to the course buoys then accelerate to a medium speed. Keep the distance less than 10m from the buoys. Run through the center of the four buoys and make a figure-8 turn. Make sure that the radii for making the right turn and the left turn are the same.



Slalom: Make slalom runs using equally spaced four buoys at a medium speed.

- After making a large turn around the last buoy for a figure-8, continue to enter the slalom runs. Keep the distance to the buoys 2 to 3m when making the slalom runs. When you run through two buoys, pass in the middle of the two buoys. Make right and left rhythmical turns.



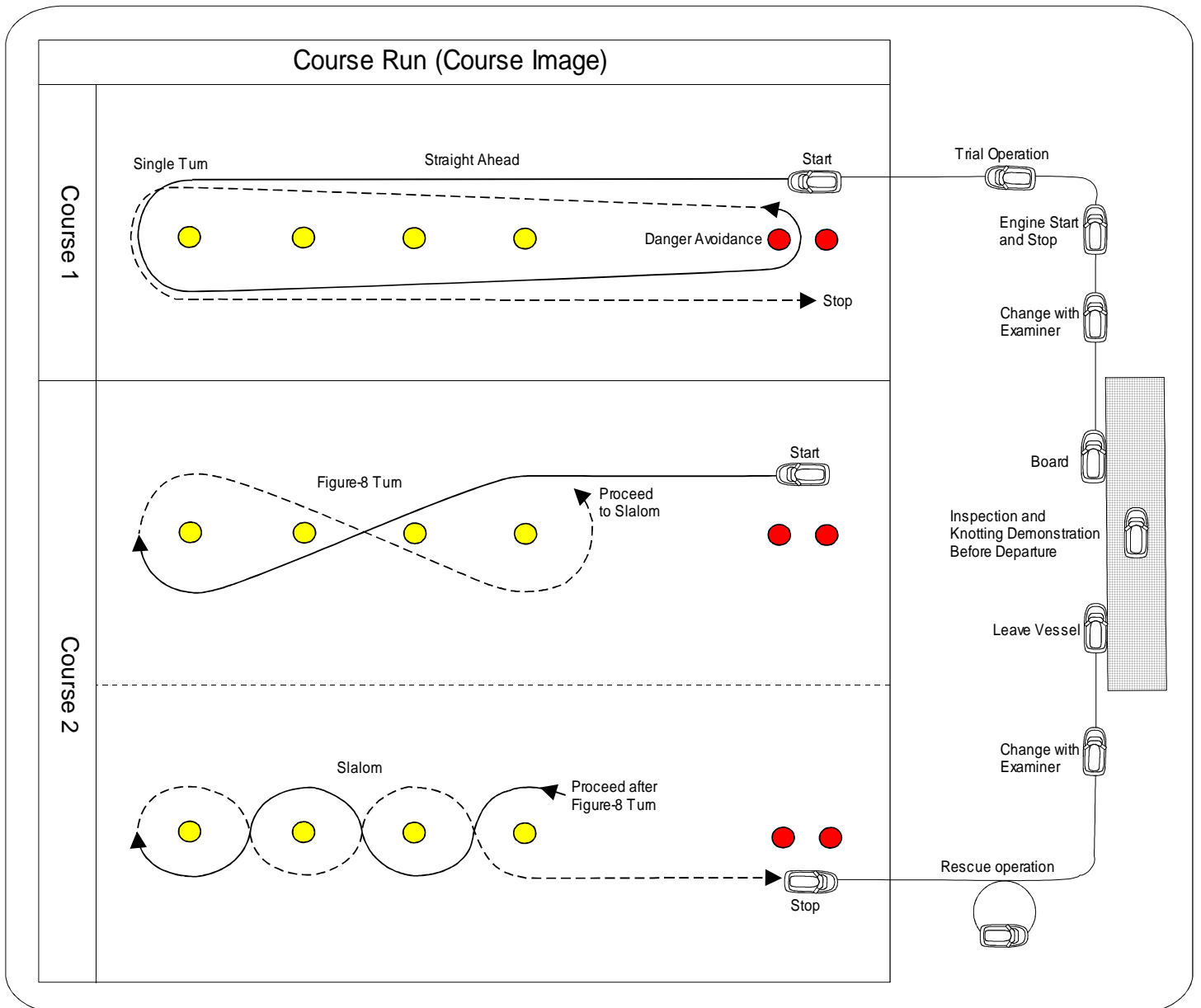
Stop: Confirm safety behind PWC and stop.

4) Rescue Operation: This examination is to pick up a buoy that is likened to person based on an assumption that you found a person needing rescue. The examiner points to the buoy, you must steer the PWC to pick up the buoy yourself. You may pick up the buoy from either side of the PWC.

For the rescue operation, pay attention to the following matters:

-) When you pick up the buoy, you do not need to stop the engine. But if you have to control the inertia of the moving PWC, you may stop the engine. You may also put the engine into reverse, if necessary.
-) If you lose sight of the buoy, the rescue operation was failure.
-) If you fail to pick up the buoy, try the rescue operation again.

Schematic Outline of Technical Examination



Note 1. Before you get on the PWC, stretch and warm up your body.

Note 2. The examination course shown on the sketch above is an example.

Examinational items and their orders may differ depending upon the conditions of the water where the test is conducted.

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