



Yachtmaster Shorebased Course 4 Tidal Heights Pupil Copy

Forecast for day .– continue to monitor forecast daily and print off synoptic charts for each day for next week
Corrected ex on clouds F Q 3 (All ex F now complete – please ensure you have it all done)

Tides Causes Springs, Neaps. Tide Tables. Time zones. Tide level table on chart See tides in book P 12-19
Rule of 1/12, Tidal Curve, - example 13-14 Carefully read the example a few times

Be fully familiar with the tide tables in the Training Almanac

Secondary Ports – Example 16-17 Read the course notes book carefully and work through the examples shown

Corrected Ex 2 Q1+2

Corrected Buoyage and Lights

Please complete **Ex:- 2 Q 1-7** (Tidal hts)

It is vital that all these questions are attempted!! See examples in course notes book (read tidal curve a few times!)

Chartwork – Corrected ex 1

To do: - Ex 2 Tidal Hts – Q 3-7, (Ensure all of exercise 2 is complete)

Ex 1 Q 3 CTS Positions + Q1 (fix) in Ex 3 DREP Forecast –

Watch **Plotter Tutorial** Charts 35 mins Waypoints 11 mins + Measuring Tools

Ex 2

Q1 a MHWN P. Fraser 3.4m + Shallowest charted depth -0.4 = 3.0m

B) MHWS Namley 4.0m – MLWS Namley 0.4 = 3.6m (Fall of tide)

Depth at MHWS 6.0m- 3.6(fall) = 2.4 (Depth at MLWS) – 1.4(Draught)= 1m clearance

C) MHWN Old Dawson 5.6m -2.4(MLWN)= 3.2(Fall of tide) + 1.8 Draught + 2.0 (Clearance) = 7.0m (Depth to anchor)

D)HAT Blackmill 6.8- MLWN 1.4 = 5.4(Fall of tide from HAT) + Charted ht of bridge 15= 20.4(Ht bridge MLWN) – Air draught of bridge 16m = 4.4 (Clearance)

E)MHWS Hamilton – MLWS 0.6 = 5.2 (Fall of tide) + Charted ht of light 60m = 65.2m (Ht of light at MLWS)

Q2 a) Victoria Mon 7 Jan HW 0440 LW 1039 (UT) HW 4.8 LW 1.8 Range 3.0m

b) Dunbarton Su 18 Aug (Summertime!) LW 1337 HW 2053 (DST) LW 1.7 HW 3.7 Range 2m

c) Port Fitzroy Tue 28 April LW 0419 SP DST HW 1027 LW 1.2m HW 5.6m Range 4.4

Buoyage and lights Ex D

1. 19Miles

2. Moir effect light (308) visible day and night is fitted to underside for bridge. Leads thro approaches to S Kilda marina

3. 1 f 2 g 3 e 4 c 5 d 6 h 7 a 8 b 9 i

4. Shows direction of buoyage

5. IALA Region B Port Hand marks still can shaped but green and stb marks still conical but red

6. FI (4)G 15 sec

7. a) Firing danger area. B) Traffic separation scheme d) Racing mark e) Oceanographic buoy

8. Preferred Channel Mark showing preferred channel which leads to South Quay

9. Emergency Wreck Marker Buoy – alternating blue and yellow flashing light