Examination Schedule

Advanced Radio Communication Examination
Assessment Schedule

Questions in the examination paper will be selected from the syllabus according to the table below.
They may not necessarily be in the same order as shown here.

Question
number

Syllabus Section	Areas Tested	No of Questions	Maths Possibility
1 2a.1	Licence types	1	nil
2 2b.1 1	User Services	1	nil
3 2c.1 1	Supervision	1	nil
4 2d.1 1	Maritime Mobile	1	nil
5 2e.1 2e.2 1	CEPT and Visitors	1	nil
6 2f.1 1	Messages	1	nil
7 2g.1 1	Unattended Ops	1	nil
8 2h.1 1	Logs Identification	1	nil
9 2i.1 1	Closedown,Inspection,Renew	1	nil
10 2j.1	Apply Schedule	1`	nil

Total Licensing Conditions 10

Syllabus Section	Areas Tested	No of Questions	Maths Possibility
11 3a.1, 3b.1, 3c.1, 3d.1	Resistors	1	3/4
12 3e.1, 3e.2, 3e.3, 3e.4, 3e.5	Capacitors	1	3/5
13 3f.1, 3f.2, 3f.3, 3f.4	Inductors	1	1/4
14 3g.1, 3g.2, 3g.3	AC Circuits	1	2/3
15 3h.1, 3h.2, 3h.3	AC Circuits	1	2/3
16 3i.1, 3i.2, 3i.3, 3i.4, 3i.5, 3i.6	Tuned ccts	1	3/6
17 3j.1, 3j.2, 3j.3	Transformers	1	2/3
18 3k.1	Filters	1	nil
19 3l.1, 3m.1, 3o!	Xtals, dB	1	1/3
20 3n.1, 3n.2, 3n.3, 3n.4	Diodes	1	nil
21 3n.5, 3n.6, 3n.7, 3n.8	Tranistors/Amplifiers	1	1/4
22 3p.1, 3p.2, 3p.3	Stabilizer Ccts	1	nil

Total Basic Electronics 12

Syllabus Section	Areas Tested	No of Questions	Maths Possibility
23 4a.1, 4b.1, 4c.1	TX Osc and Freq Synth	1	nil
24 4d.1, 4e.1	Freq Multipliers	1	1/2
25 4f.1, 4f.2, 4f.3	Modulation	1	nil
26 4g.1, 4g.2, 4g.3, 4g.4, 4g.5	P.A.s	1	nil
27 4h.1, 4h.2	Tx Interference	1	nil
28 4h.3, 4h.4, 4h.5	Harmonics, Filters	1	nil
29 4h.6, 4i.1	External PAs	1	nil
30 4j.1, 4j.2, 4j.3	Rx parameters	1	nil
31 4k.1	RX Block diags	1	nil
32 4l.1, 4n.2	RF and IF amps	1	nil
33 4m.1, 4m.2, 4n.1	Mixers L.Osc	1	1/3
34 4o.1, 4p.1	Demodulators,AGC	1	nil
35 4q.1, 4r.1	Transverters,Transcievers	1	nil

Total Transmitters and receivers 13

36 5a.1, 5a.2, 5a.3, 5b.1	Feeders	1	1/4
37 5c.1, 5c.2, 5c.3	Antennas	1	1/3
38 5c.4, 5c.5	Traps	1	nil
39 5d.1, 5d.2, 5d.3	SWR and Losses	1	1/3
40 5e.1	ATU	1	nil

Total Feeders and Antennas 5

41 6a.1, 6a.2	Radiation	1	nil
42 6b.1, 6b.2, 6b.3, 6b.4	Ionosphere	1	nil
43 6b.5, 6b.6, 6b.7, 6c.1	MUF	1	nil

Total Propagation 3

44 7a.1	EMC routes	1	nil
45 7a.2, 7a.3	Cross Mod.	1	nil
46 7a.4, 7a.5, 7a.6	Rx interference	1	nil
47 7b.1, 7b.2	Mains Filters	1	nil
48 7b.3, 7b.4, 7b.5	Ferrites ,RF Filters	1	nil
49 7c.1	Field Strength	1	1/1
50 7d.1, 7e.1	Mobile Feeders/Antennas	1	nil
51 7f.1	EMC Procedures	1	nil

Total EMC 8

52 8a.1	Packet	1	nil
53 8b.1	Repeaters	1	nil
54 8c.1, 8d.1	Intermod. Spec. events	1	nil
55 8e.1	Bandplans	1	nil

Total Operating Practices and procedures 4

56 9a.1, 9a.2, 9a.3, 9a.4	Hi Voltages	1	nil
57 9b.1, 9c.1, 9d.1	Portable Ops,RF Hazards	1	nil
58 9e.1, 9f.1	Lightning, PME		

Total Safety 3

59 10a.1	Meters,Shunts	1	nil
60 10b.1, 10b.2	Frequency measurement	1	nil
61 10c.1	Oscilloscopes	1	nil
62 10d.1, 10e.1	RF power and SWR	1	nil

Total Measurements 4

Total Number of Questions 62
Pass mark approx 60%

Possible maths content 15/62 (approx _ of questions <u>could</u> have a maths content)
Likely Maths content   **6.3/15** (or only 1 in 10 ……10% of paper is likely to have a maths content)