

801852- QUALITY CONTROL RADIOBIOLOGY AND RADIATION SAFETY UNIT7- REGULATORY BODIES AND REGULATORY REQUIREMENTS

I. ELABORATE ON

10 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
1	Explain in detail the roles and responsibilities of the International Commission on Radiation Protection (ICRP) and the Atomic Energy Regulatory Board (AERB), including safety standards, codes, and enforcement of regulatory requirements.	August 2011	Analysis
2	Describe the organization and responsibilities of ICRP and AERB, focusing on safety standards, codes and guides, and the duties of licensees, registrants, and employers in radiation protection.	February 2012	Understanding
3	Discuss the regulatory requirements enforced by ICRP and AERB, including their organizational structure, safety standards, and the enforcement mechanisms for licensees and employers.	August 2012	Analysis
4	Explain the functions of the ICRP and AERB as regulatory bodies, detailing their safety standards, codes, and the responsibilities of registrants and employers in ensuring compliance.	February 2013	Analysis
5	Describe the structure and responsibilities of AERB and ICRP, focusing on the development of safety standards, codes and guides, and the enforcement of regulatory requirements.	August 2013	Understanding
6	Elaborate on the regulatory framework of ICRP and AERB, including their organizational roles, safety standards, and the duties of licensees and employers in radiation safety.	February 2014	Analysis
7	Discuss the responsibilities of international and national regulatory bodies like ICRP and AERB, including safety codes, guides, and the enforcement of regulatory requirements for registrants.	August 2014	Analysis
8	Explain the safety standards and codes developed by ICRP and AERB, detailing their organizational structure and the responsibilities of licensees, registrants, and employers.	February 2015	Understanding
9	Describe the enforcement mechanisms of regulatory requirements by ICRP and AERB, focusing on safety standards, codes, and the roles of licensees and employers in compliance.	August 2015	Analysis
10	Discuss the organizational structure of ICRP and AERB, including their safety standards, guides, and the responsibilities of registrants and employers in meeting regulatory requirements.	February 2016	Analysis

II. WRITE A NOTE ON

5 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
1	Explain the role of ICRP in radiation protection.	August 2011	Understanding

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
2	Describe the functions of AERB as a regulatory body.	August 2011	Knowledge
3	What are the responsibilities of ICRP? Explain briefly.	August 2011	Understanding
4	Discuss the organization of AERB.	February 2012	Knowledge
5	Explain safety standards by ICRP.	February 2012	Understanding
6	Describe codes and guides by AERB.	February 2012	Understanding
7	Explain the responsibilities of licensees.	August 2012	Understanding
8	Discuss the duties of registrants.	August 2012	Analysis
9	What are the responsibilities of employers? Explain.	February 2013	Knowledge
10	Explain the enforcement of regulatory requirements.	February 2013	Understanding
11	Describe the organizational structure of ICRP.	August 2013	Knowledge
12	Explain safety standards set by AERB.	August 2013	Understanding
13	Discuss the role of codes in radiation safety.	February 2014	Analysis
14	What is the purpose of guides by ICRP? Explain.	February 2014	Understanding
15	Describe the enforcement process by AERB.	August 2014	Knowledge
16	Explain licensee compliance responsibilities.	August 2014	Understanding
17	Discuss registrant duties in regulation.	February 2015	Knowledge
18	Explain employer obligations in safety.	February 2015	Understanding
19	Describe ICRP safety standards development.	August 2015	Understanding
20	Explain AERB regulatory enforcement.	August 2015	Understanding
21	Discuss the structure of regulatory bodies.	February 2016	Knowledge
22	Explain licensee role in compliance.	February 2016	Understanding
23	Describe registrant responsibilities.	August 2016	Knowledge
24	Explain employer safety duties.	February 2017	Understanding
25	Discuss enforcement mechanisms.	February 2018	Analysis
26	Explain ICRP organizational roles.	August 2018	Understanding
27	Describe AERB safety guidelines.	February 2019	Knowledge
28	Explain codes development process.	August 2019	Understanding
29	Discuss guide implementation in safety.	February 2020	Analysis
30	Explain licensee regulatory duties.	March 2021	Understanding
31	Describe registrant compliance measures.	April 2022	Knowledge

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
32	Explain employer radiation safety roles.	November 2022	Understanding
33	Discuss enforcement effectiveness.	April 2023	Analysis
34	Explain ICRP safety standard roles.	April 2024	Understanding
35	Describe AERB organizational setup.	August 2011	Knowledge
36	Explain licensee safety obligations.	February 2012	Understanding
37	Discuss registrant safety roles.	August 2012	Analysis
38	Explain employer compliance duties.	February 2013	Understanding
39	Describe ICRP regulatory framework.	August 2013	Knowledge
40	Explain AERB enforcement strategies.	February 2014	Understanding

III. WRITE SHORT NOTE ON

3 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
1	Define ICRP.	August 2011	Knowledge
2	Define AERB.	August 2011	Knowledge
3	Define responsibilities of ICRP.	August 2011	Knowledge
4	Define responsibilities of AERB.	February 2012	Knowledge
5	Define organization of ICRP.	February 2012	Knowledge
6	Define organization of AERB.	August 2012	Knowledge
7	Define safety standards.	August 2012	Knowledge
8	Define codes and guides.	February 2013	Knowledge
9	Define responsibilities of licensees.	February 2013	Knowledge
10	Define responsibilities of registrants.	August 2013	Knowledge
11	Define responsibilities of employers.	August 2013	Knowledge
12	Define enforcement of regulations.	February 2014	Knowledge
13	Define ICRP structure.	February 2014	Knowledge
14	Define AERB structure.	August 2014	Knowledge
15	Define safety standard development.	August 2014	Knowledge
16	Define codes in safety.	February 2015	Knowledge
17	Define guides in safety.	February 2015	Knowledge
18	Define licensee duties.	August 2015	Knowledge

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
19	Define registrant duties.	August 2015	Knowledge
20	Define employer duties.	February 2016	Knowledge
21	Define regulatory enforcement.	February 2016	Knowledge
22	Define ICRP organizational role.	August 2016	Knowledge
23	Define AERB organizational role.	August 2016	Knowledge
24	Define safety standard role.	February 2017	Knowledge
25	Define codes role.	February 2017	Knowledge
26	Define guides role.	February 2018	Knowledge
27	Define licensee compliance.	February 2018	Knowledge
28	Define registrant compliance.	August 2018	Knowledge
29	Define employer compliance.	February 2019	Knowledge
30	Define enforcement process.	August 2019	Knowledge
31	Define ICRP safety guidelines.	February 2020	Knowledge
32	Define AERB safety guidelines.	February 2020	Knowledge
33	Define regulatory structure.	March 2021	Knowledge
34	Define licensee safety role.	March 2021	Knowledge
35	Define registrant safety role.	April 2022	Knowledge
36	Define employer safety role.	April 2022	Knowledge
37	Define enforcement mechanism.	November 2022	Knowledge
38	Define ICRP regulatory duties.	April 2023	Knowledge
39	Define AERB regulatory duties.	April 2023	Knowledge
40	Define safety standard implementation.	April 2024	Knowledge
41	Define codes implementation.	April 2024	Knowledge
42	Define guides implementation.	August 2011	Knowledge
43	Define licensee enforcement role.	February 2012	Knowledge
44	Define registrant enforcement role.	August 2012	Knowledge
45	Define employer enforcement role.	February 2013	Knowledge
46	Define ICRP compliance framework.	August 2013	Knowledge
47	Define AERB compliance framework.	February 2014	Knowledge
48	Define safety standard compliance.	August 2014	Knowledge
49	Define codes compliance.	February 2015	Knowledge
50	Define guides compliance.	August 2015	Knowledge

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
51	Define licensee safety standards.	February 2016	Knowledge
52	Define registrant safety standards.	August 2016	Knowledge
53	Define employer safety standards.	February 2017	Knowledge
54	Define enforcement standards.	February 2018	Knowledge
55	Define ICRP safety role.	August 2018	Knowledge
56	Define AERB safety role.	February 2019	Knowledge
57	Define regulatory safety guidelines.	August 2019	Knowledge
58	Define licensee regulatory role.	February 2020	Knowledge
59	Define registrant regulatory role.	March 2021	Knowledge
60	Define employer regulatory role.	April 2022	Knowledge
61	Define enforcement guidelines.	November 2022	Knowledge
62	Define ICRP organizational setup.	April 2023	Knowledge
63	Define AERB organizational setup.	April 2024	Knowledge
64	Define safety standard setup.	August 2011	Knowledge
65	Define codes setup.	February 2012	Knowledge
66	Define guides setup.	August 2012	Knowledge
67	Define licensee setup role.	February 2013	Knowledge
68	Define registrant setup role.	August 2013	Knowledge
69	Define employer setup role.	February 2014	Knowledge
70	Define enforcement setup.	August 2014	Knowledge
71	Define ICRP safety framework.	February 2015	Knowledge
72	Define AERB safety framework.	August 2015	Knowledge
73	Define regulatory safety framework.	February 2016	Knowledge
74	Define licensee safety framework.	August 2016	Knowledge
75	Define registrant safety framework.	February 2017	Knowledge
76	Define employer safety framework.	February 2018	Knowledge
77	Define enforcement framework.	August 2018	Knowledge
78	Define ICRP compliance role.	February 2019	Knowledge
79	Define AERB compliance role.	August 2019	Knowledge
80	Define safety standard role.	February 2020	Knowledge
81	Define codes role in compliance.	March 2021	Knowledge
82	Define guides role in compliance.	April 2022	Knowledge

S.No	Question	Reference (Exam Year)	Bloom's Taxonomy
83	Define licensee compliance role.	November 2022	Knowledge
84	Define registrant compliance role.	April 2023	Knowledge
85	Define employer compliance role.	April 2024	Knowledge
86	Define enforcement compliance.	August 2011	Knowledge
87	Define ICRP regulatory standards.	February 2012	Knowledge
88	Define AERB regulatory standards.	August 2012	Knowledge
89	Define safety standard enforcement.	February 2013	Knowledge
90	Define codes enforcement.	August 2013	Knowledge
91	Define guides enforcement.	February 2014	Knowledge
92	Define licensee enforcement duties.	August 2014	Knowledge
93	Define registrant enforcement duties.	February 2015	Knowledge
94	Define employer enforcement duties.	August 2015	Knowledge
95	Define enforcement process efficiency.	February 2016	Knowledge
96	Define ICRP safety efficiency.	August 2016	Knowledge
97	Define AERB safety efficiency.	February 2017	Knowledge
98	Define regulatory efficiency.	February 2018	Knowledge
99	Define licensee efficiency role.	August 2018	Knowledge
100	Define registrant efficiency role.	February 2019	Knowledge