| M.S(. (Life. Sc.) Sum. I | : નોંધ : 🕡 | 007 24 (44) | 92. |
|--|--|--|--------------|
| R. દરેક પ્રશ્નનો [a] અથવા [a(i)] અને [a(ii)] જ લખવા ર. પ્રશ્ન : ૧[a] અથવા ૧[a(i)] અને ૧[a(ii)] જ લખવા | ग। रहेशे. | UCT 2028 Pub. Coda. 2 | - - 7 |
| 2. પ્રશ્ન : ૧[a] અથવા ૧[a(i)] અને ૧[a(ii)] તથા ૨[a] ૨ 3. પ્રશ્ન : ૩[a] અથવા ૩[a(i)] અને ૩[a(ii)] તથા ૪[a] ૨ | મથવા ર[a(i)] અને | ર[a(ii)] ના 14 માર્કસ ના બદલે ૧૮ માર્કસ | રહેશે. |
| 3. પ્રશ્ન : 3[a] અથવા 3[a(i)] અને 3[a(ii)] તથા $\kappa[a]$ ર દ દરેક પ્રશ્નનો પ્રશ્ન નં વ(b), પ્રશ્ન નં ર(b), પ્રશ્ન નં 3(b) | ਮੜਾਹ। ਨਾਡਕ ਯ੍ਹਾਂ ×(P / ਮੜਾਹ। ਨ[a(1)] अਚ | ર્ષ[a(ii)] ના 14 માર્ક્સ ના બદલે ૧७ માર્કસ | રહેશે. |
| | | (દુકા વ્રન્ના) વિધાર્થાએ લખવાના નથી. | |
| (2) Draw labeled diagram where ne | cessary. | | |
| Q:1 (A) Explain: Unstability of element | as increase in p | proton number in nucleus. | 14 |
| Write on (i) Binding energy and | atom formation | 1 | 07 |
| (ii) Electromagnetic radiation | | | 07 |
| (B) Write answer in short (Any four) | | | |
| (a) Distinguish between X-Rays and Y | -Rays. (d) Name | e the ore of Uranium | 04 |
| (e) Define: Elastic Scattering | | | |
| (c) Write contribution of Henri Becquere | ∍l. (f) What a | are δ- rays? | |
| Q:2 (A) Explain: Radiation effects on ch | nromosome with | ı diagram. | 14 |
| Write on effects of radiation on : (i) Micr | oorganisms | | 07 |
| (ii) Skin and hair | | | 07 |
| (B) Write answer in short (Any four) (a) Which condition causes Dicentric chromosome? (d) What is Osteopenia? | | | 04 |
| (b) How much radiation dose is normal to thymus? (c) What is peccess? | | | |
| (c) What effect of radiation on lacuna of | bone? | (f) What is Cross linkage in DN | A? |
| Q:3 (A) Discuss in detail: Structure of a | n immunaalahul | | |
| functions. | in initialiogiopal | in and antibody mediated effector | r 14 |
| Write note on : | OR | | 14 |
| (1) = | (1) ==101 01 A33A1 | | 07 |
| (ii) Classical pathway of complement activation (B) Write answer in short (Any three) | | ay of complement activation | 07 . |
| (a) What are monoclonal antibodies? | | (d) What is autoimmunity? | 03 |
| (b) State two properties of a molecule to (c) Name the lymphocytes involved espe | be an immunog ecially in humor | an (a) Mhat ia hantana | |
| Q:4 (A) What are edible vaccines? Discidisadvantages. | uss their mecha | nisms, advantages and | |
| - | OR | | 14 |
| Write on (i) Erythroblastosis fetalis (ii) RIST and RAST | | | 07 |
| (B) Write answer in short (Any three) | | | 07 03 |
| (a) State two characteristics of attenuate (b) Which type of hypersensitivity reaction | d vaccines. (c) | Name the malaria vaccine. | |
| (b) Which type of hypersensitivity reaction Mediated? | (e) State two f | Who discovered interferons? traits of inactivated vaccines. | |
| | | The state of the s | |