| Enro | ollment No: | | Exam Seat No: | | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------|--|
| | | C.U.SHAH | UNIVERSITY | | |
| | | | amination-2018 | | |
| Subj | ect Name: (| Generic Elective-IV (Medic | cal Microbiology & Immunology) | | |
| Subj | Subject Code: 4SC04MMI1 Branch: B.Sc. (Microbiology) | | | | |
| Semo | Semester: 4 Date: 05/05 | | Time: 10:30 To 01:30 Marks: 70 | | |
| (′. (′. | 2) Instructi3) Draw ne | • | ny other electronic instrument is prohibited. book are strictly to be obeyed. ecessary) at right places. | | |
| Q-1 | Attem | pt the following questions: | | (14) | |
| Attempt a | b) Define c) Define d) What e) What f) What g) Which h) Name i) Name j) Name k) Name l) Name m) Expan n) Name | e infection. e toxicgenicity e invasion. is hapten? is adjuvant? is epitope? is the Ig that can cross place the primary lymphoid organ, the site of B cell maturation, different types of immunoglo the pentavalent immunoglo the secretory type of immunod d ELISA. one bacterial and viral disease estions from Q-2 to Q-8 | obin . oin . oglobin . | | |
| Q-2 | | apt all questions In the role played by the following the cell 2-Macrophage | owing in a immune system- 3- Neutrophil 4-NK cell | (14) (7) | |
| | b) Write | | nt and mechanism of mode of action of | (7) | |
| Q-3 | | pt all questions | munosorbent assay in the detection of antibody | (14) (7) | |
| | in a pa | atient's serum. a short note on antigen and it | | (7) | |
| Q-4 | Attem | pt all questions | ation, activation and differentiation. | (14) (7) | |



| b) | Explain the following causative agent and symptom of given disease- | (7) |
|------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1- African sleeping sickness | |
| | 2-Diptheria | |
| | 3-Typhoid | |
| | 4-Kala azar | |
| | 5-Measles | |
| | 6-Influenza flu | |
| | 7-Candidiasis | |
| | Attempt all questions | (14) |
| a) | • • | (7) |
| , | | (7) |
| D) | acid. Also explain the mode of action. | (7) |
| | Attempt all questions | (14) |
| a) | <u> </u> | (7) |
| b) | Write an essay on normal microflora of skin and urinogenital tract. | (7) |
| | Attempt all questions | (14) |
| a) | | (7) |
| b) | Explain the process of T cell maturation, activation and differentiation | (7) |
| | Attempt all questions | (14) |
| a) | • • | (7) |
| b) | Write a short note on any one organs involved in the adaptive immune response | (7) |
| | a) b) a) b) a) b) | 1- African sleeping sickness 2-Diptheria 3-Typhoid 4-Kala azar 5-Measles 6-Influenza flu 7-Candidiasis Attempt all questions a) Explain the structure, characteristics and function of IgA. b) Describe the any one antibacterial agent which inhibit the cell wall and nucleic acid. Also explain the mode of action. Attempt all questions a) Write a short note on kinetics of the antibody response. b) Write an essay on normal microflora of skin and urinogenital tract. Attempt all questions a) Explain precipitation reaction in different medium with help of diagram. b) Explain the process of T cell maturation ,activation and differentiation Attempt all questions a) Explain the structure, characteristics and function of IgG. |

