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SEAT No. _____

No. of Printed Pages: 02

SARDAR PATEL UNIVERSITY

B. Sc. (ZOOLOGY) – Fifth Semester Examination

Tuesday, 7th November, 2017

10:00 a.m. to 1:00 p.m.

US05CZOO01: INVERTEBRATA

Note: 1) Figures to the right indicate marks

2) Draw diagram wherever necessary

Total marks: 70

Q-1 Multiple Choice Questions:

10

1. Aristotle is the father of _____ classification?
a) biological b) animal c) plant d) none
2. The Greek word –taxi means....
a) taxology b) taxies c) taxonomy d) All
3. Scientific name of plant and animal is written in..... language
a) English b) French c) Latin d) All
4. What type of asexual reproduction is found in porifera?
a) by budding b) Fertilization c) a & b d) none
5. Coral polyps secrete
a) Mgso4 b) H₂SO₄ c) CaCO₃ d) CuSO₄
6. Which of the following is a acoelomate and tribloblatic animal?
a) porifera b) protozoa c) coelentrata d) all of these
7. _____ is found in male Ascaris.
a) copulatory setae b) pectin c) setae d) none
8. Book lung is found in....
a) ascaris b) sea anemone c) scorpion d) none
9. Ink gland is found in...
a) Limulus b) Spider c) Starfish d) Sepia
10. Torsion found in _____ phylum
a) protozoa b) mammals c) arthropod d) mollusks

Q-2	Short Questions: [any TEN]	20
	1. Write the contributions of Lamarck in animal taxonomy	
	2. Draw Linnaeus animal classification	
	3. Write importance of classification	
	4. Draw diagramme of coral polyps	
	5. Write characters of metazoan	
	6. Define coelenterate with example	
	7. Write only name of sensory organs of scorpion	
	8. Write characters of Annelid	
	9. Classify scorpion giving reasons	
	10. Write characters of crustaceans.	
	11. Classify Limulus giving reasons	
	12. Write characters of mollusk	
 Q-3	 a) Explain animal Taxonomic Hierarchy with suitable example.	 06
	b) Write characters of protozoa.	04
	OR	
Q-3	a) Write detail note on history of animal taxonomy.	07
	b) Use of Electron microscopy in taxonomy.	03
 Q-4	 Describe Polymorphism in coelenterate.	 10
	OR	
Q-4	a) Reproduction in Porifera.	05
	b) Economic importance of corals.	05
 Q-5	 Explain reproductive system of Ascaris.	 10
	OR	
Q-5	Describe digestive system of scorpion with digestion.	10
 Q-6	 Write detail note on Digestive system of Sepia	 10
	OR	
Q-6	a) Write a note on zoological importance of peripatus.	05
	b) Write note on pedicelaria in star fish.	05
