

INVERTEBRATES

A
HANDBOOK
OF

Zoology

For B.Sc. (Paper A)
Javed Iqbal Mughal



THE PORTUGUESE MAN-OF-WAR IS A BEAUTIFUL CREATURE, BUT ITS TENTACLES CAN EASILY KILL A HUMAN.

Type:

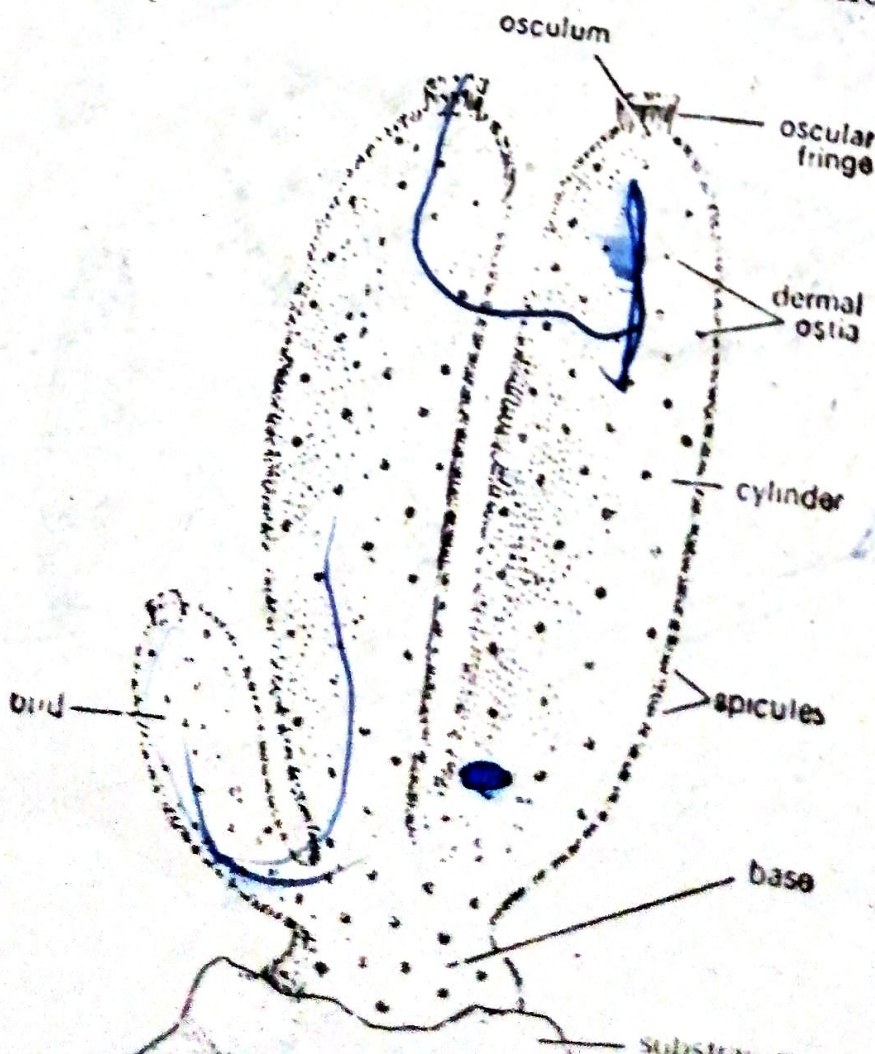
SYCON

Sycon or Scypha is a widely distributed marine sponge. The sycon may occur solitary or forms a colony by budding. The sessile colonies of cylindrical sycon sponge are found permanently attached to submerged rocks or other solid substrates in shallow sea water along the coasts. They grow well where wave action is not too strong and at low tide mark.

Sycon is commonly known as urn sponge, as the individual is shaped like an urn. It is also called the crown sponge, because the fringe of long and straight spicules at the top looks like a little crown.

External features

Scypha possesses a vase-shaped, radially symmetrical body with the size may range from 1 to 3 cm. in length. The colour of sycon is not specific and varies from grey to light brown. Near the base are found a few small tubular projections, or the buds, which are formed extensively in some species. The free end of the vase-shaped individual bears a pore known as the osculum. The osculum is also



PREFACE

The Handbook of invertebrate Zoology is written for graduate student of Zoology to cover Paper A. There are eleven chapter in this book. In an overview each chapter is split open into parts to cover Type, Comparative Study, Synoptic Classification and University Question. Nodoubt the subject under discussion is very vast and open, infact never ending but I have tried my level best to limit myself strictly within the spectrum of syllabus.

The Handbook of invertebrate Zoology is designed to provide all the relevant information needed for the preparation of B.Sc. Zoology Papar A.

As this is my first effort, there may be certain omission and some mistakes. Perfection in any field is difficult to achieve, but it should aim at. It is therefore requested that my error detected by teachers and students, should ~~be brought~~ to the notice of author or publisher. Positive suggestion and constructive criticism of colleagues and students will definitely encourage me to improve the book.

I am sincerly thankful to my friends for valuable suggestion and my teachers for excellent guidance.

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