



????????????
? *FBAS* ?
? *QUILL* ?
? *BOOK* ?
? 2 ?
????????????

SOCIETY PROGRAMME AIDS

Booklet No. 25



www.fbas.co.uk

FOREWORD

The Federation of British Aquatic Societies' publications provide a complete supporting service for Societies.

FBAS Aquatalks & Videos are ideal substitutes for having a speaker in person, but even with further 'back-up' from the original Quizbook in times of unforeseen circumstances, Societies may well exhaust such standby resources.

Here, then, is a **second QUIZBOOK** of aquatic questions (some in serious vein, others more lighthearted) to fill those evenings - either as straightforward Quizzes in their own right or something to have - 'just in case.'

The Federation is very grateful to **AQUARIAN** for making this book possible, and particularly indebted to **Dave Goodwin**, from **Deal A.S.**, who provided the material. It is hoped that his extensive labours in collecting and compiling questions will be rewarded by the entertainment (and certainly much further knowledge) gained by those searching for the right answers!

© Federation British Aquatic Societies 1994 RCM

CONTENTS

HELPING HINTS page 3

TROPICAL SUBJECTS

CYPRINIDS	6
CHARACINS	9
CICHLIDS	11
ANABANTIDS	15
KILLIFISH	17
CATFISH	19
LOACHES	23
LIVEBEARERS	25
MARINES	27
ANY OTHER SPECIES	30

COLDWATER SUBJECTS

COLDWATER	34
-----------	----

GENERAL SUBJECTS

DISEASES	40
PLANTS	42
WATER	44
COMMON NAMES	47
SCIENTIFIC NAMES	54
GENERAL KNOWLEDGE	60
TRUE OR FALSE ?	78
BRAINTEASERS	82
MEANINGS	87
ORIGINS & BELONGINGS	89
CONNECTIONS & DIFFERENCES	94
SHOWING & CLASSES	97

HELPING HINTS

The difference between a Quiz evening for your own Society and one with a guest Society lies in strict discipline and an eye on the clock.

Some Societies may have a 'buzzer' system with 'first-on-the-buzzer' winning the right to answer. A fairer method might be to have questions put to individuals for a set number of 'rounds' then let the buzzer decide (and also inject some drama) into the final round.

'Tactical buzzing' can also be a problem - depriving opponents of the right to answer and thus getting maximum points. 3 points for a correct first answer, 2 for a correct answer from the opposing team and 1 for any 'team conference' answers are useful starting suggestions for scoring systems. To keep the audience interested, remember to give scores periodically and try to arrange that the refreshment break comes between the qualifying rounds and the Semi-final or Final.

It is also useful (and diplomatic) to have someone unconnected with any of the participating teams to act as a genuinely unbiased Quizmaster and general arbitrator (peacemaker?) in any Inter-Society Quiz.

HAPPY QUIZZING!

***Tropical
Subjects***

QUIZ QUESTIONS : Cyprinids

1. How many fins in total do Barbs have ?

Seven

2. Is there such a fish as the Livebearer Barb and, if so, what is its scientific name?

Yes - *Barbus viviparus* (but it doesn't produce live young), it was misnamed after its discoverer found what was thought to be young inside - they were its last meal!

3. Orange Barb / Angola Barb / Orange-fin Barb are common names for one particular Barb.

What is its scientific name ?

Barbus barilioides

4 The Scissortail belongs to which genus?

Rasbora

5. What is the best known Cyprinid ?

The Goldfish

6. *Barbus conchoni* has how many bars flanks?

None - it is the Rosy Barb

7. What is the third colour on a Red-tail Black Shark?

White

8. *Labeo* species can be bred apparently if which of the following is injected into the fish :

Enzymes - Hormones - Acriflavines ?

Hormones

9. How many sets of paired fins has the Flying Fox?

2 Sets

10. What is the smallest *Rasbora* ?

Rasbora maculata* or *R.urophthalma

11. Which *Rasbora* has a black spot in the anal fin ?

Rasbora baliensis

12. How many vertical stripes has

Barbus eugrammus ?

None - they are horizontal

QUIZ QUESTIONS : Cyprinids

13. Barbs are now known as *Barbus* -
give two former names ?
Capoeta - Puntius
14. Two species of *Rasbora* are known as
Scissortails. Give both proper names ?
R.trilineata* - *R.caudimaculata
15. *Barbus melanomyx* has been renamed -
what is its new name ?
Barbus fasciatus
16. Where are teeth in a Barb (specifically)?
In the back of the throat
17. Spotted, Pearl and Blue are all kinds of what ?
Danio
18. Where does *Barbus schuberti* originate ?
It is an aquarium-developed fish not found naturally in the wild.
19. What's the visual difference between
Rasbora maculata and *R.heteromorpha*?
***R.maculata* has spots -
R.heteromorpha has 'brandy glass'
markings, and is also much larger!**
20. How many of the genus *Barbus* are found on the
American continent ?
**None - They are found in Indonesia, Malaya,
India, Sri Lanka and Africa**
21. Where is the Spotted Danio (*Brachydanio
nigrofasciatus*) found ?
Burma
22. Re-nosed, black stripes and red-edged fins;
what is it ?
Tiger Barb
23. What colour are Tiger Barb eggs ?
Yellow

QUIZ QUESTIONS : Cyprinids

24. Name the Barb that is native to Europe ?
***Barbus barbus* - the Barbel**
25. How many bars do *Barbus pentazona* and *Barbus tetrazona* have ?
***B.pentazona* has 5 - *B.tetrazona* has 4**
26. What colour is the dorsal fin of *Barbus nigrofasciata* ?
Black
27. Is there any country that doesn't have a native cyprinid ?
Yes, Australia and South America

HAS YOUR SOCIETY ANY QUIZ MATERIAL ?

**THE FEDERATION WOULD BE GLAD TO
USE IT IN ANOTHER QUIZ BOOK**

**SEND IT IN AND HELP OTHER LESS
FORTUNATE SOCIETIES TO HAVE MORE
ENJOYABLE MEETINGS**

QUIZ QUESTIONS : Characins

1. Do the stripes of *Leporinus fasciatus* run vertically or horizontally ?
Horizontally
2. Name three genera of Headstanders ?
Abramites* - *Anostomus* - *Caenotropus* - *Chilodus
3. Quite a few Tetras have a colour as part of their common name - Name 5 ?
BLACK NEON - BLACK PHANTOM - BLUE - FLAME - GARNET - GOLDEN - GREEN NEON - LEMON - SILVER - SILVERTIP - YELLOW-
4. What have *Gasteropelecus* and *Carnegiella* in
They are both Hatchetfishes
5. What is wrong with the following statement:
Exodon paradoxus is a Tetra from Guyana and Brazil that has 2 large black spots on its side and a small red spot at the base of the dorsal fin ?
Absolutely nothing!
6. A supra-terminal mouth is one characteristic of the genus *Nannostomus*; what is the meaning of this term ?
Upturned mouth
7. According to the Size Book, there are 9 *Distichodus* species. Name 5 ?
affinis* - *altus* - *antoni* - *atroventralis* - *fasciolatus* - *lussosso* - *nobili* - *rostratus* - *sexfasciatus
8. Name the two *Megalampodus* species most commonly kept in aquaria ?
M.megalopterus* / *M.sweglesi
9. What is common to all Characins ?
They all have teeth

QUIZ QUESTIONS : Characins

10. *Hemigrammus rhodostomus* is often mistaken for what other fish ?
Petitella georgiae
11. Eyes of the Blind Cave Fish are covered during growth by which of the following:
Fatty tissue - Black eyepatch - Scale ?
Fatty tissue
12. What have *Hemigrammus rhodostomus* and *Petitella georgiae* in common ?
Red snout. They are both Rummy-nose Tetras
13. How many bars has *Abramites hypselonotis* ?
Eight (8)
14. Give the scientific name of a *Characidium* that comes from South America ?
C.fasciatum* - *C.rachovi
15. How many fins in total has *Nematobrycon palmeri* ?
Seven - it has no adipose
16. What is unusual in the barring on Pencilfishes when it is night-time ?
It changes from horizontal to vertical
17. Most Characins have these but Barbs haven't ?
Adipose fin and teeth in the mouth
18. What odd thing about the eggs of the Congo Tetra has often led to them being
They are white and appear to be fungussed
19. What is the fish named Caribe better known as ?
Piranha

QUIZ QUESTIONS : Cichlids

1. *Cichlasoma meeki* is the old name of the Firemouth Cichlid - the new name is?
Thorichthys meeki
2. Spell *Pterophyllum* ?
P T E R O P H Y L L U M
3. Name 5 *Julidochromis* species ?
dickfeldi - marlieri - ornatus - regani regani - regani affinis - transcriptus
4. Name a Cichlid found in South East Asia ?
Orange or Green Chromide
5. Which feature on a fish distinguishes Cichlids from other fishes ?
Split lateral line
6. Schmidt-Focke is a strain of which fish ?
Discus
7. What is the better known name for the Triangle Cichlid ?
Uaru
8. Is *Steatocranus tinanti* a surface spawner, cave spawner or plant spawner ?
Cave spawner
9. Which is the odd one out and why:
agassizi - cacatuoides - filamentosa - ortmanni - pertense - reitzigi ?
filamentosa* - this is a *Crenicara*, the others are *Apistogramma
10. To which Lake are *Tropheus* endemic ?
Lake Tanganyika
11. What are Lake Malawi and Lake Tanganyika Cichlids often called ?
Rift Valley Cichlids

QUIZ QUESTIONS : Cichlids

12. Which is the odd one out and why:
Apistogramma cacatuoides - *A. agassizi*
A. steindachneri ?
***A. agassizi* has a diamond or spade-shaped tail - others have forked tails**
13. Name 3 species of *Pelvicachromis* ?
pulcher* - *taeniatus* - *subocellatus* - *roloffi
14. The Pompadour is another name for which fish ?
Discus
15. *Cichlasoma temporale* - *C. coryphenoides* - *C. hellebruni* all have something in common, other than being Cichlids or *Cichlasoma*. What ?
The common name for all of them is Chocolate Cichlid
16. Lake Tanganyika holds the largest Cichlid; what is it and how large (to within 10%) does it grow ?
***Boulangerochromis microlepis*
900mm (810mm - 990mm)**
17. When was '*kribensis*' first described (within 5 years either way) ?
1911 by Boulenger (1906 - 1916)
18. *Eretmodus cyanostictus* - *Spathodus erythrodon* *Tanganicodus irsacae* are all Goby Cichlids. Which is the odd one out and why ?
***Tanganicodus irsacae* is a mouthbrooder, the others are substrate spawners**
19. Which is the largest Acara ?
***Aequidens rivulatus* - 230mm**
20. Discus feed their young from secretions emitted from the body, name another well-known Cichlid that feeds their young in the same way ?
Uaru amphiacanthoides
21. What is the prominent feature of a dominant male *Geophagus steindachneri* ?
Red cranial hump
22. Which Lake Malawi Cichlid is noted for imitating a dead fish in order to trap its prey ?
Haplochromis livingstoni

QUIZ QUESTIONS : Cichlids

23. The Brown Acara, *Aequidens portalegrensis* as we used to know it, is now called what ?
Cichlasoma portalegrensis
24. Where do *Lamprologus margarae* lay their eggs ?
Inside a shell
25. To what native freshwater fishes are the Cichlids related?
The Perches
26. Are Cichlids carnivores, herbivores or omnivorous ?
All three depending on species
27. What type of spawner is *Hemichromis elongatus* ?
Substrate spawner
28. In which African Lake has the introduced Nile Perch eaten most of the native Cichlids ?
Lake Victoria
29. To which species is the Festivum most closely related ?
Angel Fish (*Pterophyllum* sp.)
30. What is the fundamental difference between *Tilapia* and *Saratherodon* ?
Breeding - *Tilapia* are substrate brooders
31. There are two genera of American Cichlids generally known as Pike Cichlids. One is *Crenicichla*, what is the other one ?
Batrachops
32. Which is the odd one out:
Nannacara - *Nannochromis* - *Apistogramma*
Biotocetus - *Taeniacara* ?
***Nannochromis* comes from Africa, all the others are from South America**
33. What genus of Cichlid has an enlarged centre pair of teeth in the jaw ?
Hemichromis
34. What is the better known common name of the Marbled, or Velvet Cichlid ?
The Oscar

QUIZ QUESTIONS : Anabantids

1. What does the word *Ctenopoma* mean ?
Comb on the cover (gill)
2. Name 5 members of the genus *Betta* ?
***anabantoides* / *bellica* / *bleekeri* / *brederi*
coccina / *edithae* / *fasciata* / *foerschi* / *fusca*
imbellis / *macrophthalmalma* / *macrostoma* / *picta*
pugnax / *rubra* / *smaragdina* / *splendens*/
taeniata / *unimaculata***
3. From the *Colisa* and *Trichogaster* group of fishes give 7 common names ?
**DWARF (*C.lalia*); GIANT (*C.fasciata*);
HONEY (*C.sota*); THICK-LIPPED (*C.labiosa*);
LACE - LEERI - MOSAIC - PEARL (*T.leeri*);
MOONLIGHT (*T.microlepis*);
SNAKESKIN (*T.pectoralis*);
BLUE - COSBY - GOLDEN OPALINE - 3-SPOT
(*T.trichopterus* / *T.t.sumatranus*)**
4. What have the Climbing Perch and Kissing Gourami in common, other than being Anabantoids ?
They do not build a bubble nest
5. What is the normal colour of a Siamese Fighter of true Vietnamese origin ?
Green
6. What is missing from newly-hatched *Belontia signata* ?
Labyrinth organ
7. How do Gouramies taste their food before eating it ?
By feeling it with their pelvic fins
8. Do Combtails build a bubble nest ?
No
9. Where is *Malpulutta kretseri* found in the wild ?
Ceylon / Sri Lanka

QUIZ QUESTIONS : Anabantids

10. Place *Trichogaster trichopterus* (gold) -
Trichogaster trichopterus (blue) -
Ctenopoma oxyrhynchus in order of size ?
C.oxyrhynchus 100mm
T.trichopterus (gold) 105mm
T.trichopterus (blue) 110mm
11. What shape is the tail of *Macropodus chinensis* ?
Round. (Round-tailed Paradisefish)
12. The Mottled Pointed-tailed Gourami, or Ornate Paradisefish is known as one of the following, which one ?
Parosphrenemus deissneri -
Sphaerichthys osphromenoides -
Anabas testudineus - *Malpulutta kretseri* ?
Malpulutta kretseri - others are
Liquorice Gourami - *P. deissneri*
Chocolate Gourami - *S. osphromenoides*
Climbing Perch - *Anabas testudineus*
13. From the four main groups of labyrinth fishes, name two genera that have a group to themselves ?
Helostoma* and *Osphronemus
14. *Ctenopoma* is not the only African Labyrinth fish. Explain why ?
There is another genus - *Sandelia*

QUIZ QUESTIONS : Killifish

1. Spell *Aphyosemion* ?
A P H Y O S E M I O N
2. What are the two colour varieties of *Aphyosemion australe* ?
Chocolate and orange or gold
3. To which other genus of fish is *Aphyosemion* most closely related ?
Roloffia
4. What is the generic name for Lamp-eyes ?
Aplocheilichthys
5. What is the colour difference between male and female *Cynolebias bellotii* ?
Male - deep blue with white dots all over
Female - uniform mottled brown
6. What are Egg-laying Toothcarps more commonly known as ?
Killifish; Cyprinodontidae
7. *Cyprinodon diabolis* is restricted to what ?
One single spring in western Nevada
8. Why are annual fishes so called ?
Because their natural habitat dries up annually and the adult fish population dies
9. How many lateral bands has *Epiplatys sexfasciatus* ?
None - it has six vertical bands
10. Which is the odd one out and why:
Aponogeton ulvaceus - *Jordanella floridae*
Campellolebias brucei
Aponogeton ulvaceus is a plant - the others are Killifishes
11. What does *longipinnis*, as in *Pterolebias longipinnis* mean ?
Long-finned

QUIZ QUESTIONS : Killifish

12. In what aspect does *Cynolebias boitonei* differ from other *Cynolebias* ?
They may lack pelvic fins (as classified as *Simpsonichthys*) but this is not always so
13. What colour caudal fin has the Florida Bluefin ?
Red
14. What water conditions best suit *Adinia xenica* ?
Salted to brackish

QUIZ QUESTIONS : Catfish

1. What is an ODONTODE ?
Bristle-like structure found on the body, or patches on the head of certain catfishes, especially Loricariidae and Callichthyidae
2. Do members of the genus *Clarias* have large or small scales ?
Neither - they do not have scales at all
3. How many separate fins are there on *Channalabes apus* ?
Three (one fin wraps the length of the fish top and bottom, and two tiny pectorals)
4. How does *Callichthys callichthys* breed ?
Eggs are placed in bubble nest at the surface
5. *Corydoras metae* / *microps* / *nattereri* / *punctatus* / *reticulatus*: which is the odd one out and why ?
***microps* - the name is no longer valid**
6. What is the physical difference between *Otocinclus* and *Parotocinclus* ?
***Parotocinclus* has an adipose fin**
7. What is the easy way to distinguish between Bagrid and Pimelodid catfishes ?
Bagrids have nasal barbels - Pim's don't
8. What is unusual about *Amphipnous cuchia* ?
It has no apparent fins
9. What is the difference in the mouths of *Euchilichthys* and *Chiloglanis* ?
***Euchilichthys* is elongate
Chiloglanis circular**
10. Name 4 *Corydoras* in the *elegans* group ?
elegans* - *gracilis* - *guapore* - *hastatus* - *latus* - *nanus* - *pygmaeus* - *undulatus

QUIZ QUESTIONS : Catfish

11. Name the three species of *Pterygoplichthys* ?
anasitsi - gibbiceps - multiradiatus
12. What is the country of origin of *Arius gareffei* ?
Australia
13. How do you sex *Callichthys callichthys* ?
Males have bright red thickened pectoral fins
14. The body colour of *Panaque suttoni* ?
Black
15. What is the marked visual difference between *Synodontis multipunctatus* and *S. petricola* ?
***S.petricola* has a smaller eye and white edging to all fins**
16. What is the old name of *Synodontis contractus* ?
S.davidii
17. *Mystus micranthus* has how many spots ?
Two
18. How many pairs of barbels has *Leiocassis siamensis* ?
4 pairs
19. Why is *Heteropneustes fossilis* dangerous ?
It has poisonous pectoral spines
20. *Panaque suttoni* has what colour eyes ?
Blue
21. Spell *Leiocassis siamensis* ?
LEIOCASSIS SIAMENSIS
22. *Corydoras* have how many pairs of barbels ?
Two pairs
23. To what other genera are *Otocinclus* most closely related ?
Farlowella* and *Loricaria
24. What is the sexual difference between male and female *Loricaria parva* ?
**Male - rounded nose with bristles -
Female - pointed nose, no bristles**

QUIZ QUESTIONS : Catfish

25. *Corydoras* have how many fins ?
Eight
26. What is the outstanding feature of *Hemiodontichthys acipenserinus* ?
Round ball-like tissues on the end of its snout
27. *Mystus micranthus* has how many barbels ?
Eight - 4 pairs
28. Place in size order (largest first) the following:
Synodontis brichardi - *S.contractus*
S.decorus - *S.xiphias* ?
***S.xiphias* 500mm / *S.decorus* 250mm
S.brichardi 150mm / *S.contractus* 75mm**
29. Which has more dorsal rays: *Hypostomus* or *Pterygoplichthys* ?
Pterygoplichthys
30. *Corydoras sterbai* and *C.haraldschultzei* are very similar. What noticeable difference in their colour markings tells them apart ?
Markings in the head region of *C.sterbai* are white on black and on the other they are black on white
31. Which *Synodontis*, mainly black in colour with a white band to the caudal fin, is only found in Lake Tanganyika ?
Synodontis granulosa
32. A 'Brindled Madtom' - what kind of fish is it and where is it from ?
North American Catfish - *Noturus miurus*
33. Where would you catch *Tandanus tandanus* in the wild ?
Australia

QUIZ QUESTIONS : Catfish

34. *Synodontis schoutedeni* comes from which country ?
Zaire
35. Only one species of *Synodontis* has been bred in the UK - which one ?
Synodontis multipunctatus
36. How many barbels has *Perrunichthys perruno* ?
Three pairs (6)
37. Which characteristic distinguishes the genus *Hemisorubim* from other Shovelnose catfish ?
The lower jaw protudes further than the upper
38. The genus *Corydoras* is divided into five species groups. Name four ?
***aeneus* - *acutus* - *barbatus*
elegans - *punctatus***
39. Name both of the genera commonly called Bumblebee Catfish ?
Leiocassis* - *Microglanis
40. In the anatomy of catfish, name the three types of barbels ?
Outer mandibular - Inner mandibular - maxillary

QUIZ QUESTIONS - Loaches

1. In total - how many barbels has a Khuli Loach ?
Eight
2. Name a member of the *Acanthopthalmus* genus that does not have bars ?
anguillaris - shelfordi - javanicus
vermicularis
3. Spell *Misgurnus anguillicaudatus* ?
M I S G U R N U S
A N G U I L L I C A U D A T U S
4. What are the spines on the side of the head of a *Botia* called ?
Sub-orbital spines
5. What peculiar habit do some Botias show just after eating ?
They lay on their side on the substrate
6. What do some Loaches do just after being put into the tank ?
Dive into the substrate
7. Spell *Choirochinchus* ?
C H O I R O R H Y N C H U S
8. Name two 'Loaches' than aren't members of the Cobitidae Family?
Sucking Loach (*Gynocheilus aymonieri*),
Sucker-belly Loach (*Homaloptera* sp),
Myers Hillstream Loach, Sucker-belly Loach,
Hong Kong Plec (*Pseudogastromyzon myersi*)
9. What Loach has *botia* in its name but isn't from the genus *Botia* ?
Noemacheilus botia
10. How can you sex *Acanthopsis choirorhynchus* ?
Male has thickened first rays on the pectoral fins

QUIZ QUESTIONS - Loaches

11. What sound do *Botia* often make ?
Clicking, snapping sound by expelling water from their gills
12. According to some books, what is an alternative generic name for *Acanthopthalmus* ?
Pangio
13. What is an alternative common name for *Acanthopthalmus* ?
Thorn-eye

QUIZ QUESTIONS : Livebearers

1. Name 5 of the 8 tail shapes of short-bodied Guppies ?
COFER - LYRETAIL - BOTTOMSWORD - DOUBLESWORD - PINTAIL - ROUNDTAIL - SPEARTAIL - TOPSWORD
2. *Xiphophorus* means sword-carrier - to what part of the Swordtail does this refer ?
Gonopodium
3. Which food is most suitable for *Belonesox belizanus* (Pike Top Minnow) ?
Any small live fish!
4. What name is given to the dark area on the belly of a pregnant livebearer ?
Gravid spot
5. What is odd about *Poecilia formosa* ?
There are only females of this species
6. *Limia* is a name not in current usage. What do we now call these fish ?
Poecilia
7. The female *Heterandria* is able to give birth to a continuous line of young over a long period: what is the name given to this type of reproduction ?
Superfoetation
8. Is the average livebearer's gestation period 21, 28, 35 or 42 days ?
28 days
9. How many species does the genus *Poecilia* contain - 39, 40, 42 or 45 ?
45
10. Where would you find wild Black Mollies - only in aquariums - Far East - Sri Lanka - Florida ?
Florida

QUIZ QUESTIONS : Livebearers

11. What is the Goodeid male's anal fin known as ?
Spermatopodium
12. What is the male Halfbeak's anal fin known as ?
Andropodium
13. What is the copulatory organ formed from the anal fin of the species *Xiphophorus* called ?
Gonopodium
14. Where was the Guppy first discovered ?
Trinidad
15. What are Gambusinos ?
Livebearers
16. What is the Family name for livebearing Tooth-carps ?
Poeciliidae
17. The first known livebearer was *Jenynsia lineata*.
Who discovered it ?
Charles Darwin

QUIZ QUESTIONS - Marines

1. Why is *Diodon hystrix* dangerous ?
Because the Porcupine Puffer has poisonous spines
2. What is a *Condylactis* ?
Sea-anemone
3. The relationship between a Cleaner Wrasse and its 'customers' is called what ?
Symbiotic
4. What colour algae is the first to appear in a marine tank ?
Brown
5. Which, and why, is the odd one out: Cardinalfish, Wreckfish, Goatfish ?
Wreckfish - it has only one dorsal
6. Why are Surgeon Fish so called ?
Because they carry a "scalpel" on their side which they use to injure other fishes
7. What is the living part of a soft coral called ?
Polyp
8. A Nudibranch is which of the following:
Naked catfish - Marine mollusc -
Branched oxygenating plant ?
Marine mollusc
9. What pollutant must be checked and controlled in the marine aquarium ?
Nitrite - often confused with the much less harmful nitrate
10. What is common to the following species:
Dascyllus, Amphiprion, Pomacentrus ?
They are collectively known as Damselfishes
11. How many 'arms' have most Starfish ?
Five

QUIZ QUESTIONS - Marines

12. Why is coral sand alone a poor filter medium ?
The sand particles are so small that the spaces between are easily clogged
13. What colour pattern has *Plotosus lineatus* ?
Juvenile forms of this marine catfish have black and white horizontal stripes
14. What is the closest relative of the Seahorse ?
Pipefish
15. How many Clown Fish do you need to buy to ensure that you have a pair ?
2 - one of them will change into a male
16. What colour are the Moray Eel's pectoral fins ?
No colour - it does not have any
17. What do zoophyte animals such as the Sea-anemone disguise themselves as ?
Plants
18. With which fin does the Seahorse use to propel itself ?
The dorsal fin
19. *Lepadogaster candolli* is called the Cornish Sucker because :
a) it sucks in its food
b) its pelvic fins form a powerful sucker
c) it hitches rides by sticking to other fish ?
Answer b)
20. What is common between Turbot, Brill, Halibut, Sole and Plaice ?
They are all Flatfish

QUIZ QUESTIONS - Marines

21. What is odd between Turbot, Brill, Halibut, Sole and Plaice ?
Turbot and Brill (Family Bothidae) have eyes on the left-hand side of the body; Halibut, Sole and Plaice (Family Pleuronectidae) have eyes on the right-hand side
22. Deep sea Anglerfishes show a great difference between the males and females. Describe this difference ?
The male is microscopic and is a parasite on the female
23. How do you sex Sharks ?
Males have two claspers
24. The Lump sucker has two dorsal fins when juvenile but the first is covered by what when adult ?
Skin
25. What are Mermaids' Purses ?
Egg-cases of the Dogfish
26. What is a Merman's Shaving Brush ?
Udotea - a marine algae
27. Name two marine species in which the male incubates the fertilised eggs ?
Seahorse (*Hippocampus*); Pipefish (*Dactyliophorus*)
28. Name a burrowing mouthbrooder ?
Yellow-headed Jawfish; (*Opistognathus aurifrons*)

QUIZ QUESTIONS : Any Other Species

1. What have *Caecobarbus geertsii* and *Astyanax fasciatus* in common ?
They are both blind fish
2. How many black stripes does *Datnoides quadrifasciatus* have ?
Seven
3. How does *Toxotes jaculator* catch its insect prey in the wild ?
The Archer Fish spits water and knocks it into the water
4. How many lungs do the Australian, African and American Lungfish have ?
1 - 2 - 2
5. How many dorsal spines has *Polypterus weeksii* ?
9 or 10 spines
6. What is the nearest relation to the Rice Fish ?
African Lamp-eyes
7. What are the dietary habits of the Mississippi Paddle Fish ?
Filter feeder
8. What type of fish is a *Dormitator* ?
Goby
9. What type of fish is *Xenomystus nigri* ?
Knifefish
10. How many species of tropical freshwater Butterflyfishes are there ?
1 - *Pantodon buchholzi*
11. How many species of Nandids are there and what are their scientific names ?
Ten - *Afronandus*, *Badis* (3), *Nandus* (2), *Monocirrhus*, *Polycentropsis*, *Polycentrus*, *Pristolepis*

QUIZ QUESTIONS : Any Other Species

12. What colour is *Sternarchus albifrons* ?
Black and white
13. What is the difference between *Chanda ranga* and *Channa africana* ?
C.ranga is the Indian Glass Fish
C.africana is the African Snakehead
14. Name three species of *Polypterus* ?
Birchir - Delhazi - ornatipinnis - palmas
senegalus - weeksi - endichleri
15. *Potamotrygon reticulatus* is commonly called what ?
Freshwater Stingray
16. Name both species of the *Datnoides* genus ?
D.quadrifasciatus and D.microlepis
17. Name the two species of 'Fingerfish' ?
Monodactylus argenteus and M.sebae
18. What country boasts the most species of *Galaxias* ?
Australia
19. What is a Mullul ?
Snakehead - Ophiocephalus morulius
20. What have *Bedotia geayi* and the Laceplant in common ?
They are both from Madagascar
21. How many fins do Atherinidae have ?
8 - they have two dorsals

***Coldwater
Subjects***

QUIZ QUESTIONS : Coldwater

1. Can coldwater plant be used in a tropical Furnished Aquarium exhibit ?
Yes
2. Describe the breeding habits of the Three-spined Stickleback ?
The male builds a tunnel-type nest in depressions in the gravel with plants etc. The female enters the nest and lays eggs followed by the male who fertilises them. He stands guard at the tunnel entrance and fans fresh water through it and over the eggs
3. A Tancho Koi has a round spot on its head. According to Japanese legend what does this represent ?
The rising sun (also similar to the red patch on the head of the Tancho zuru bird)
4. What are the colour or colours on a Kin Ki Utsuri Koi ?
Black and gold
5. What is a Ranchu ?
Japanese-developed Lionhead Fancy Goldfish
6. Which fish is known as 'the Queen of the River' ?
Grayling
7. How many fins does the Bubble-eyed Goldfish have - name them ?
Eight - Caudal(2) / pelvic (2) / anal(2) pectoral (2) / (no dorsal)
8. What name, denoting originating in Germany, describes the Mirror variety of Koi ?
Doitsu

QUIZ QUESTIONS : Coldwater

9. *Cobitis taenia* and *Noemacheilus barbatula* are both found in England - How do you distinguish between them ?
***N.barbatula* has a forked tail**
10. What is the difference between a Kohaku and a Tancho Koi ?
Kohaku colouration is red on a white base - Tancho can form part of several different colour patterns of Koi but always refers to a red roundel on the head
11. What is the proper colour description of a Shiro Becko Koi ?
Black on white or white with black markings (white being the base colour)
12. What is the prominent feature of a Lionhead ?
Large growth on the forehead
13. Does the Pom-Pon have a dorsal fin ?
No
14. What does the word Sarasa mean ?
Multi-coloured
15. What colour is a Sumi Koi ?
Black
16. What colour is a Ki Koi ?
Matt yellow
17. What colour or colours are there on a Hi-utsuri Koi ?
Red and black
18. In America this coldwater fish is called a Walleye, what do we call it ?
Zander (Pike-Perch)
19. What is a black Koi with red and white markings called ?
Showa-sanke

QUIZ QUESTIONS : Coldwater

20. What kind of fish is a 'Brindled Madtom' -
and where is it from ?
North American Catfish - *Noturus miurus*
21. What kind of Koi - dark-edged scales, blue/grey
back and orange/red underparts ?
Asagi
22. What is a Jikin ?
Type of oriental Fancy Goldfish
23. What Rasbora-like fish, also known commonly
as a Barb, is a coldwater species ?
***Pseudorasbora parva* (Clicker Barb)**
24. How many pairs of barbels do Koi have ?
2 pairs
25. Which is the odd one out:
Minnow - Three-spined Stickleback
Golden Tench - Golden Orfe ?
Golden Orfe - not a British native fish
26. If you had a Char in your aquarium, what type of
fish would you have ?
A Trout
27. What type of fish is a Jack ?
A Pike
28. Which of the following is not a fish ?
Black Crappie - Purple Loosestrife
Widemouth Blindcat - Alewife ?
Purple Loosestrife is a plant
29. How many fins has the Common Goldfish ?
Seven
30. How many pairs of barbels does a
Gudgeon have ?
One pair

QUIZ QUESTIONS : Coldwater

31. Which of the following has a dorsal fin:
Lionhead - Pom-Pon - Celestial - Bubble-eye ?
None
32. What is the easiest way to slow down the hatching rate of Goldfish eggs ?
Place the eggs in a refrigerator
33. Name two countries of origin of the Brook Trout, *Salvelinus fontinalis* ?
Canada and America
34. The Germans call it the Pearl Roach - what do we call it ?
Rudd
35. How many fins does a Bitterling have ?
Seven
36. How does the Bitterling breed ?
The female lays her eggs in a freshwater Mussel via a long ovipositor; male's milt is drawn into the Mussel as it 'breathes' and so fertilises the eggs, which are ejected by the Mussel after hatching occurs
37. Which high-dorsalled, two-coloured species, growing to around 30cm is often displayed in with tropical species in dealers' tanks ?
Sailfin Suckermouth (*Myxocyprinus asiaticus*)
38. Give the name and nationality of the person responsible for the culture and hybridization of hardy Water-lilies ?
Marliac (Joseph Bory Latour-Marliac); French
39. The Water Soldier rises and falls in the water according to the time of year; name another cause of this effect ?
pH of the water alters the plant's position too

QUIZ QUESTIONS : Coldwater

40. Can Ultra-violet light alone be used to clear green water ?
No. UV light is best used in conjunction with a pond filter as it causes the green to clump together in large enough particles which can then be trapped in the foam filter medium.
41. Describe the difference between marginals and bog plants ?
Marginals stand with their roots in water; Bog plants appreciate moist, rather than permanently wet conditions
42. Name two types (not brands) of pond pump ?
Submersible; surface
43. Name two types (not size/species) of Water-lily ?
Day bloomer; night-bloomer; hardy; tropical

General Subjects

QUIZ QUESTIONS : Diseases

1. What chemical are most marine cures based upon ?
Copper
2. Which, and why, is the odd one out:
Gyrodactylus - *Scyphidia* - Myotomes ?
Myotomes is an internal organ, others are parasites
3. Ichthyophthiriasis is better known as ?
Whitespot disease
4. Saprolegniasis is better known as ?
Fungus
5. What is *Columnaris* ?
It is a bacterial infectious disease
6. Exactly what is *Ciliophora* ?
A skin or gill parasite - most common is Whitespot
7. In Japan the disease is called Matsukasa; what do we call it ?
Dropsy
8. What is the most obvious symptom of the disease Furunculosis ?
Boil-like ulcers
9. Where on its host does the parasite *Cymothoa exigua* ?
On the tongue root
10. Ozone is often used to kill bacteria and parasites in the marine aquarium, but of what form of chemical element is ozone ?
Oxygen
11. What chemical is normally used to eradicate *Hydra* ?
Copper

QUIZ QUESTIONS : Diseases

12. Upon looking at *Pachypanchax playfairi* what disease would you think it has ?
Dropsy - because its scales stick out
13. Anchor Worms are which of the following:
a) Annelid worms - b) Crustacea -
c) Planarian worms ?
b) Crustacea
14. How does Ultra-violet light dispose of the algae causing green water ?
It causes the cells to clump together in sufficiently large particles which can then be trapped in the external filter
15. Give the common name of *Hexamita* ?
Hole-in-the-head Disease
16. Why doesn't 'Mouth Fungus' respond to the usual fungus remedies ?
Because it is a different type of infection - a slime bacterium - which requires the use of antibiotics
17. What commonly-available extra should you add to the hospital, or treatment, tank ?
Extra aeration, as many remedies may use up oxygen
18. If a salt bath helps with many freshwater ailments, would a fresh-water bath help with marine fish ailments ?
Yes
19. What is the marine version of Whitespot called ?
Cryptocaryon

QUIZ QUESTIONS : Plants

1. What colour flower does the Madagascar Laceplant have AFTER fertilisation ?

Yellow

2. What colour of flowers does *Nymphaea zanzibaricus* have ?

Violet or purple

3. What is wrong with the following statement: "Both *Azolla* and Water Lettuce are floating plants with long hair-like roots and white flowers"?

Neither of them flower

4. What exactly is Chlorophyll ?

It is the green colour pigment of plants (Collins Concise Dictionary)

5. What colour is the flower of *Echinodorus argentinensis* ?

White

6. Spell Rhizome ?

R H I Z O M E

7. A plant may be described as spatulate in shape - what does this look like ?

Broad at the bottom and narrow at the top

8. Noronha may be a well-known name to you, but what di Noronha describe in 1806 ?

***Blyxa* - a species of plant**

9. What is *Vesicularia dubyana* better known as ?

Java Moss

10. What is *Eichornia* ?

Water Hyacinth

11. What is the definition of a Rhizome ?

Root-stock of a plant

QUIZ QUESTIONS : Plants

12. Is *Cabomba* a member of the Water-lily Family ?
If not, which Family does it belong to ?
It used to be, but now it has its own Family, Cabombaceae
13. Which of these is a Fern: *Riccia* - *Vallisneria* - Amazon Sword - Fairy Moss ?
Fairy Moss
14. What genus of plant is sometimes known as Water Trumpet ?
Cryptocoryne
15. The plant Bladderwort has a peculiar habit, what is it ?
It is carnivorous; its small bladders trap tiny insects and fry for absorption at a later time
16. What are fillicial, filliform and thalli ?
Leaf forms or shapes of plants
17. What is *Caulerpa* ?
A marine algae
18. What is the generic name for Water Wistaria ?
Synnema triflorum (Hygrophila difformis)
19. *Cryptocoryne* belong to which Family of plants ?
Araceae
20. What is the generic name of the Water-lily ?
Nymphaea
21. What connects *Microsorium pteropus* and *Vesicularia dubyana* ?
JAVA - Java Fern and Java Moss

QUIZ QUESTIONS : Water

1. What is the pH of the water in Lake Tanganyika ?
Greater than pH 9.00
2. What purpose would an acid buffer serve regarding water conditions ?
It would lower the pH of the aquarium water
3. Is a pH reading of 8.1 acid or alkaline ?
Alkaline
4. Water is the compound of which 2 gases ?
Hydrogen and Oxygen
5. What is the pH of distilled water ?
pH 7.0
6. When using peat to soften water - what acid is produced ?
Humic acid
7. *Nitrasomonas* bacteria have a particular function in the aquarium, what is it ?
They convert Ammonia into Nitrite (NOT NITRATE)
8. In what water conditions would you find an excess of hydroxide ions ?
Alkaline water
9. For what reason would you use a seabuff and in what environment ?
To control the pH level in a marine tank
10. Is Carbonate Hardness a temporary or permanent hardness ?
Temporary (can be removed by boiling)
11. What is the minimum Specific Gravity allowed when showing marine fish ?
1.016 S.G.
12. What is the equivalent in parts per million (ppm) of 1 degree German Hardness ?
17.9 ppm = 1°GH

QUIZ QUESTIONS : Water

13. Which of the following rocks should not be used in an aquarium: Granite - Slate - Sandstone - Limestone ?
Limestone - it dissolves making the water too hard
14. What would you do to remedy Carbon Dioxide poisoning ?
Raise the pH level 1 full unit
15. In what sort of water would you find Suckermouth Catfishes ?
Fast flowing rivers or streams
16. What symbol denotes the degree of water hardness on the German scale ?
°DH
17. What word is used to describe an inland body of water ?
Lake
18. Which conducts electricity better - Salt- or fresh water ?
Salt water has a higher conductivity
19. What is the scale of hardness range on the German scale for "SOFT" water ?
0° - 5°DH
20. When doing water tests, what are you looking for in GH and KH tests ?
General Hardness - Carbonate Hardness
21. Is caustic soda an alkali or an acid ?
Alkali
22. What is the curvature formed by the water surface film called ?
Miniscus
23. What is the Specific Gravity of pure water ?
1.00

QUIZ QUESTIONS : Water

24. What is known as the Universal Solvent ?
Water
25. What kind of water is Deuterium Oxide ?
Heavy Water
26. If used to test your tank water's pH, what colour would Blue Litmus paper change to if the water was acidic ?
Red
27. Why are snails rarely found in acidic water ?
Because there is not normally enough calcium to maintain their shells
28. Which of the following turns water brown ?
Carbonic acid - Tannic acid - Ethanoic acid
Tannic acid
29. What numbers range does the pH scale cover ?
0 - 14
30. Chlorine, which is in our tapwater, combines with hydrogen in the water to form what ?
Hydrochloric Acid

QUIZ QUESTIONS - Common names

1. What is the complete common name for *Melanochromis auratus* ?
Nyassa Golden Cichlid
2. What is the common name of *Steatocranus casuarius* ?
Blockhead Cichlid
3. What is the common name of *Lernaea* ?
Anchorworm
4. Give 4 common names for *Trichogaster leeri* ?
Pearl - leeri - Lace - Mosaic (Gourami)
5. Give the another common name for the Spanner Barb ?
T Barb
6. Give the common name for *Barbus oligolepis* ?
Chequer (Checker) Barb / Island Barb
7. What is the common name for *Chironomus* ?
Bloodworm
8. What is the common name of *Pistia stratiotes* ?
Water Lettuce
9. What is the common name of *Enchytraeus albidus* ?
Whiteworm
10. What is the common name of a predatory fish in the Family Nandidae ?
Leaf-fish
11. What is the common collective name for the genus *Diodon* ?
Porcupinefishes

QUIZ QUESTIONS - Common names

12. Give 5 common names with the word THREE in their name ?
**Three-banded Pencilfish -
Three-lined Rasbora
Three-spined Stickleback -
Three-spot Anostomus - Barb - Bream -
Three-spot Gourami - Tetra -
Three-striped African Characin etc...**
13. What is the common name of the Tetra whose specific name changed from *rubrostigma* to *erythrostigma* ?
Bleeding Heart Tetra
14. What is the common name for *Trichopsis vittatus* ?
Croaking Gourami
15. What is the common name for *Hemibarbus longirostris* ?
Long-nose Barbel
16. What is the common name of *Ampullaria cuprina* ?
Apple Snail
17. What is the common name of *Notonecta* ?
Water Boatman
18. What is the common name of *Planorbis corneus* ?
Ramshorn Snail
19. What is the common name for *Argulus* ?
Fish Louse
20. What is the common name for *Xiphophorus maculatus* ?
Platy
21. What is the common name for *Heros (Cichlasoma) cyanoguttatum* ?
Texas Cichli

QUIZ QUESTIONS - Common names

22. What is the common collective name for the genus *Mastacembelus* ?
Spiny Eels
23. What is the common name of *Vesicularia dubyana* ?
Java Moss
24. What is the common name of *Pseudoplatystoma fasciatum* ?
Tiger Shovelnose
25. What is the common name of *Cichlasoma labiatum* ?
Red Devil
26. What is the common name for *Eleocharis acicularis* ?
Hairgrass
27. Give 2 common names for *Hemigrammus ocellifer* ?
Beacon - Head & Tail-light Tetra
Motorists Fish
28. What is the common name of *Periophthalmus barbarus* ?
Mudskipper
29. What is the common collective name for the genus *Cynolebias* ?
Pearlfishes
30. What is the common name for *Pterois volitans* ?
Lion Fish
31. What is the common collective name given to the genus *Echinodorus* ?
Swordplants
32. What is the common name for *Heterandia formosa* ?
Mosquito fish

QUIZ QUESTIONS - Common names

33. What is the common name for *Poecilia formosa* ?
Amazon Molly
34. What is the common name of *Phallichthys amates* ?
Merry Widow
35. What is the common name of *Acipenser ruthensis* ?
Sterlet
36. What is the common collective name used for the genus *Balistes* ?
Triggerfishes
37. What is the common name for *Abramis brama* ?
Bream
38. What is the common name for *Loricaria parva* ?
Whiptail Catfish
39. What is the common name of *Sporozoasis myolytica* ?
Neon Tetra Disease (also described as Plistophora)
40. What is the common collective name for the genus *Hippocampus* ?
Seahorses
41. What is the common name of *Amphilophus (Cichlasoma) biocellatum* ?
Jack Dempsey
42. What is the full common name of *Betta pugnax* ?
Penang Mouth-brooding Fighting Fish
43. What is the common name of *Morulius chrysophekadion* ?
Black Shark

QUIZ QUESTIONS - Common names

44. What is the common name of *Phoxinus phoxinus* ?
Minnow
45. What is the common name of *Botia macracantha* ?
Clown Loach
46. What is the common name for *Anostomus trimaculatus* ?
Three-spot Anostomus
47. What is the common name of *Rasbora kalachroma* ?
Clown Rasbora
48. What is the common name for *Chaetobranchus bitaeniatus* ?
Two-striped Cichlid
49. What is the common name for *Monocirrhus polyacanthus* ?
South American Leaf-fish
51. What is the common collective name given to the Tetraodontidae Family ?
Pufferfishes
52. What is the common collective name given to the *Percina* genus of fishes ?
North American Coldwater Darters
53. What is the common name for *Labeo variegatus* ?
Mottled or Harlequin Shark
54. Name one of the common names given to *Auchenipterichthys thorocatus* ?
Zamora - Midnight Catfish
55. What Shark shares a common name with the American space missions ?
Apollo Shark

QUIZ QUESTIONS - Common names

56. What is the common name of
Chelmon rostratus ?
Copperband Butterfly
57. What is the common name of the nest-building
fish *Gasterosteus aculeatus* ?
Three-spined Stickleback
58. What are two common group names for fish in
the Cobitidae Family ?
Loaches and Botias
59. What is the common collective name for fish in
the genera *Spathodus* and *Eretmodus* ?
Goby Cichlids
60. What is the common name for
Achirus fasciatus ?
**Freshwater Sole - Freshwater Flounder -
Aeroplane Fish**
61. What is the common name for the aquarium
plant *Crinum thianum* ?
Onion Plant
62. What is the most common name given to
Pseudogastromyzon myersi ?
Hong Kong Plec
63. What is the common collective name given to
Ageneiosus species of catfish ?
Gulper Catfishes
64. What is the common collective term for fishes
whose males carry egg-spots on the anal fin ?
Rift Valley Cichlids: Mbuna
65. What is another common group name for
Killifishes ?
**Top minnows ; Egg-laying toothcarps ;
Cyprinodontidae**

QUIZ QUESTIONS - Common names

66. What common names are given to *Aphyosemion bivittatum hollyi* and *Aphyosemion bivittatum bivittatum* ?
Blue Lyretail and Red Lyretail
67. What is the common name for Hydrogen Hydroxide ?
Water
68. What is the common name of *Acanthaster plancki* ?
Crown-of-Thorns Starfish
69. Give the common name for *Cabomba* ?
Fanwort
70. What is the most common generic name of the Water Milfoil Family ?
Myriophyllum
71. What is the common name for *Lemna minor* ?
Duckweed
72. What is the common collective name of the marine genus *Chaetodon* ?
Butterflyfishes
73. What is the common collective name of the marine genus *Pomocanthus* ?
Angelfishes
74. What is the common name of *Fontinalis antipyretica* ?
Willow Moss

QUIZ QUESTIONS : Scientific Names

1. The two parts of a scientific name are called what ?
Generic and Specific (Genus and species)
2. If a fish's scientific name ends with the letter 'i', what in most cases does this mean ?
The fish has been named in honour of, or after, a man
3. If a fish's scientific name ends with the letters 'ae', what does this mean ?
The fish has been named in honour of, or after, a woman
4. What is the scientific symbol for the male ?
A circle with an arrow coming out at approximately 45° from top right-hand side
5. What is the scientific symbol for the female ?
A circle with a plus sign hanging from the bottom
6. What is the scientific name for the Red-finned Shark ?
Labeo erythrurus
7. What is the scientific name for the Gold Barb ?
Barbus schuberti* or *B.sachsi
8. What is the scientific name of the fish often confused with the Harlequin ?
Rasbora hengeli
9. What is the scientific name for the Zebra Danio ?
Brachydanio rerio
10. What is the scientific name for the Pearl Danio ?
Brachydanio albolineatus
11. What is the scientific name for the Cherry Barb ?
Barbus titteya

QUIZ QUESTIONS : Scientific Names

12. Name 6 species of *Corydoras* that begin with "B" ?
baderi - barbatus - bicolor - bifasciatus
bleheri - blocki blocki - blocki vittatus
boehlkei - boesmani - bolivianus
bondi bondi - bondi coppenamensis
13. What were the two now defunct scientific names for the genus *Nannostomus* ?
Poeciliobrycon - Nannobrycon
14. What is the scientific name for the Parasite Catfish ?
Vandellia cirrhosa
15. What are the two scientific names of the Eel-like Catfish ?
Channalabes apus; C.gymnallabes
16. What is the new scientific name for *Calamoichthys calabaricus* ?
Erpetoichthys calabaricus
17. What are the two scientific names for Discus ?
Symphysodon discus - S.aequifasciatus
18. Name 4 *Otocinclus* species ?
affinis - arnoldi - flexilis - nigricauda
paulinus - vestitus - vittatus
19. What is the scientific name of the Liquorice Gourami ?
Parosphronemus deissneri
20. *Tinca tinca* is the scientific name of which fish ?
Tench
21. What is the scientific name of the Millions Fish ?
Poecilia reticulata
22. What is the scientific name of the Japanese Weather Fish or Dojo ?
Misgurnus anguillicaudatus

QUIZ QUESTIONS : Scientific Names

23. What is the scientific name for the Diamond Tetra ?
Moenkhausia pittieri
24. What is the scientific name for the root of the tail ?
Caudal peduncle
25. Which plant has the scientific name of *Echinodorus paniculatus* ?
Amazon Swordplant
26. There are only 2 species of freshwater Angelfish. Give both scientific names ?
Pterophyllum scalare* - *P.altum
27. What are the scientific names of the Brown and Blue Acaras ?
Cichlasoma portalegrensis*: *Aequidens pulcher
28. What is the scientific name for the Chocolate Gourami ?
Sphaerichthys oosphromenoides
29. What is the scientific name for the Jaguar Catfish ?
Liosomodoras oncisus
30. What is the scientific name for the Pumpkinseed ?
Lepomis gibbosus
31. What is the scientific name for the Festive Cichlid ?
Mesonauta festiva
32. Name 6 species of *Corydoras* beginning with "P" ?
paleatus* - *paleatus albino* - *panda* - *pastazensis orcesi* - *p.pastazensis* - *polystictus* - *potorensis* - *prionotus* - *pulcher* - *punctatus* - *pygmaeus

QUIZ QUESTIONS : Scientific Names

33. What is the scientific name of the "Green Terror" ?
Aequidens rivulatus
34. What is the scientific name of the Mississippi Paddlefish ?
Polyodon spatula
35. What is the scientific name for the Red-eyed Characin ?
Arnoldichthys spilopterus
36. What is the scientific name for the Common Hatchetfish ?
Gasteropelecus sternicla
37. What is the scientific name of the Golden Mackerel ?
Barilius christyi
38. What is the full scientific name for the Water Flea ?
Daphnia pulex
39. Give the scientific name of the first Goodeid known to science ?
Goodea atripinnis
40. What is the scientific name for Hole-in-the-Head Disease ?
Hexamita - (Octomitus spironucleus)
41. What is the scientific name of the largest Killifish ?
***Orestias cuvieri* (300mm)**
42. Give the scientific name for the Mosquitofish ?
Heterandia formosa
43. What is the generic name of Pencilfish ?
Nannostomus

QUIZ QUESTIONS : Scientific Names

44. What is the scientific name for the Dwarf Egyptian Mouthbrooder ?
Pseudocrenilabrus multicolor
45. What is the scientific name of the Apollo Shark ?
Luciosoma spilopleura
46. What is the scientific name for the Pale Chub ?
Zacco platypus
47. What is the scientific name for the African One-lined Tetra ?
Nannaethiops unitaeniatus
48. What is the scientific name for the Salmon Discus ?
Poptella orbicularis
49. What was the original scientific name given to *Paracheirodon axelrodi* ?
Hyphessobrycon cardinalis
50. What is the scientific name of the Slim Fighting Fish ?
Betta bellica
51. Give the scientific name of the Cupid Cichlid ?
Biotodoma cupido
52. What is the scientific name of the Black Prince ?
Characodon audax
53. What is the scientific name for the Channel Catfish ?
Ictalurus punctatus
54. *Microgeophagus ramirezi* has been renamed twice recently - what were the other generic names ?
Apistogramma – Papiliochromis

QUIZ QUESTIONS : Scientific Names

55. Two Cichlids have the specific name *buttikoferi* -

What are their generic names ?

Tilapia - Pelmatochromis

56. Which fish has the common name of the
Cockatoo Cichlid ?

Apistogramma cacatuoides

QUIZ QUESTIONS : General Knowledge

1. Beluga Sturgeon are the main supply of caviar.
A full-grown female can have as many as 5 million eggs - to what size (within 2 feet) does this fish grow ?
30 feet (28 - 32 feet)
2. Who has had a Catfish, Killifish, Lamprey, Loach and Rasbora named after him?
Myers
3. What does the German word Buntbarsche mean ?
It is the German word for Cichlid
4. *Lumbricus terrestris* is a very good food for fish - what is it ?
Earthworm
5. How much water (within 5 litres) does a 48"x15"x12" tank hold ? (No gravel etc.)
141.42 ltr (136 - 146 litres)
LxWxD (in feet) x 6.25x4.54 = Litres
6. How many fins do the majority of fish have ?
Seven
7. What is the name given to the cartoon character in Practical Fishkeeping magazine ?
Floyd
8. To the nearest 1/10th litre - how many litres in 1 Imperial gallon ?
4.5 litres (4.545 litres)
9. What aquatic creature creates a very good food for newly hatched fry, and what is the name of this food ?
Apple Snail - Infusoria
10. In what year was the F.B.A.S. founded ?
1938

QUIZ QUESTIONS : General Knowledge

11. How many gallons of water will a 48"x18"x18" hold to the nearest 1/2 gallon (No gravel etc) ?
56 gallons. (56.07 gallons)
LxWxD (in feet) x 6.25 = Imperial gallons
12. Explain the meaning of the word Osmosis ?
The diffusion of substances through a semi-permeable membrane, such as plants taking in food through the leaves or freshwater fish taking in water through the skin, or saltwater fish losing it
13. What is the name given to fish (other than egglayer) that produce young by means of eggs being expelled from the body ?
Oviparous
14. What are: "Small red worms living in river mud, used as live food" ?
Tubifex
15. What is the collective word used for microscopic food organisms ?
Infusoria
16. What is the gas sac positioned dorsally in the body called ?
Swim bladder
17. What words are used to describe the underside or belly of a fish ?
Ventral area
18. What word is used to describe the gravel or sand on the tank bottom ?
Substrate
19. What does the word congener mean ?
One of two or more species belonging to the same genus

QUIZ QUESTIONS : General Knowledge

20. What is the name of the single fin between the anus and caudal on a fish ?

Anal fin

21. What is the name of the sensory appendages on the upper and lower jaw ?

Barbels

22. What is the name given to the small wart-like protuberances appearing on certain fish at breeding times ?

Tubercles

23. What is the name of the small fleshy fin often found between dorsal and caudal fins ?

Adipose

24. What is a fish's egg-laying tube called ?

Ovipositor

25. What are Nematodes ?

Threadworms

26. What, other than breathing differences, separates fish from mammals such as Whales and Dolphins ? This is a visual difference

Fishes have vertical tails - mammals have horizontal tails

27. What is a Visitherm ?

A make of heater/thermostat

28. When a fish is referred to as being diurnal - what does this mean ?

Active during the daytime

29. What is the equivalent °F of 26°C ?

79°F

30. There are two basic scale forms - name one ?

Comb-edged - Ctenoid scales

Round - Cycloid scales

**(Others are placoid - found in Sharks,
Ganoid - found in *Polypterus*)**

QUIZ QUESTIONS : General Knowledge

31. What is the equivalent in °C is 100°F ?
38°C
33. What does the word conspecific mean ?
Belonging to the same genus
34. What does the word monotypic mean ?
A genus or family that contains only a single species or genus
35. Where are a fish's olfactory organs situated ?
In a pit in the snout region
36. What do the letters B.K-K.S. stand for ?
British Koi-Keepers Society
37. What is the equivalent of 50°F in °C ?
10°C
38. What is meant when a fish is said to be anadromous ?
A saltwater fish but spawns in freshwater and the juveniles then return to the sea
39. What is the definition of a biotope ?
A well-defined living space (for an aquatic community in our context)
40. What names are given to the dorsal fins on a twin-dorsalled fish ?
Anterior and posterior (or D1 and D2)
41. When a fish is gravid - what does it mean ?
It is pregnant
42. What is the definition of Aerobes ?
Organisms which depend on oxygen in the air and satisfy their energy requirements by oxidating organic matter using free oxygen
43. What are chromatophores ?
Colour pigment cells

QUIZ QUESTIONS : General Knowledge

44. Does a fish have a heart ?
Yes
45. Fish said to be coldblooded are one of the following:
a) Homeothermal b) Poikilothermal
c) Thermodynamic d) Heterothermal: which one ?
b) Poikilothermal
a) warm-blooded c) & d) are non-words
46. Explain what a thermophilic fish is ?
A fish that likes a lot of heat
47. Some fish lay diapause eggs - what does this term mean ?
The eggs have a long period of incubation (typically Killifish eggs)
48. What are small free-living, non-parasitic flatworms called ?
Planarians
49. What are animals without backbones called ?
Invertebrates
50. What is the collective term given for microscopic animals and plants drifting passively in the sea and freshwater ?
Plankton
51. What word is used to describe the respiratory structure of a fish ?
Gills
52. What name is given to the early larval stage of most crustaceans ?
Nauplius

QUIZ QUESTIONS : General Knowledge

53. For what was Carl von Linne famous ?
Swedish historian and botanist who introduced bi-nomial nomenclature and systematics
54. Diatomaceous earth is used for which of the following: Growing Plants - Biological filters - Mechanical filters - Breeding earthworms ?
Mechanical filters for fine filtering
55. Which of the following factors poses the greatest problem for native marine fishkeepers in the U.K. :
Salinity - Temperature - Nutrition - Collection ?
Temperature
56. What is the Wanklyn Test ?
Soap test for water hardness
57. Pearls are found in types of mollusc. What type of creature are these ?
Bivalves
58. What is the Mealworm the larvae of ?
Darkling Beetle
59. By what name did we originally know Lake Malawi ?
Lake Nyassa
60. What is the deepest lake in the world ?
Lake Baikal
61. What is the plural of the word species ?
Species
62. The word aestivation means which of the following: A period of activity - a period of rest, or both ?
Both

QUIZ QUESTIONS : General Knowledge

63. What does benthic mean ?
Living on or in the bottom substrate
64. What type of fish is a Buccal incubator ?
It is a fish which takes newly-fertilized eggs into the mouth, carrying and protecting the eggs and larvae until release as independent juveniles (Mouthbrooder)
65. What does the term catadromous mean ?
Fish that live in freshwater but spawn in the sea (The Eel)
66. What is chromatic dimorphism ?
Colour pattern differences
67. Demersal eggs do what ?
They sink because they are neutrally or negatively buoyant
68. What is a dinoflagellate ?
It is a microscopic algae (*Pyrrhophyta*)
69. What is the most important factor when deciding the number of fish that can be housed in an aquarium. Is it:
Volume - Water Depth - Surface Area - Swimming Space ?
Surface Area determines the oxygen levels
70. What does the word speciose mean ?
Usually refers to a genus or Family that contains a large number of species
71. What gas do fish breathe out into the water ?
Carbon dioxide
72. What substance does a fish mainly excrete other than water ?
Ammonia

QUIZ QUESTIONS : General Knowledge

73. Have fishes got ears ? If they have, where are they situated within the body ?
Yes - They are entirely within the skull
74. Explain the meaning of the word Zoomimensis ?
Camouflage or mimicry of other fishes
75. Infusoria is good fry food, but scientifically what is infusoria known as ?
Protozoa
76. If a fish has an acuminate caudal, what would this mean ?
The caudal tapers gradually to a point
77. If a fish is described as 'lacustrine' what does this mean ?
Lives in a lake
78. To within 2000 square miles how big is Lake Malawi in area ?
11000 square miles (9000 - 13000)
79. Spell Tanganyika ?
T A N G A N Y I K A
80. What is the second deepest lake in the world ?
Lake Tanganyika
81. What helps a fish navigate if it has poor eyesight or lives in muddy water ?
The lateral line
82. What are dextral eyes and give an example of fish with them ?
**Eyes on right-hand side of body -
i.e. Sole, Plaice etc**
83. Why is it necessary to provide fish with enough fat in their diet ?
To prevent them from burning up proteins

QUIZ QUESTIONS : General Knowledge

84. Which of animal or plant proteins are harder for fish to digest and why ?
Plant proteins - They have a tougher cell wall
85. What is the 'tholichthys' stage that young fish may go through ?
The development of a bony head covering
86. Which fish has the best sight of all, by using both infra-red and ultra-violet ranges of light ?
Goldfish
87. Freezing point is °C and 32°F; boiling point is 100°C and what °F ?
212°F
88. 'Exotic Aquarium Fishes' by William.T.Innes is one of the classic aquarium books. In what year (2 years either way) was it first published ?
1935 (1933-1937)
89. How many UK gallons (Imperial) to an American (US) gallon ?
0.833 - (0.8 or 4/5ths will do)
90. What piece of aquarium equipment contains an oscillating membrane ?
A diaphragm air pump
91. Ammonia is produced as a waste product when what substances are broken down by the fish's body ?
Protein
92. What do the letters spp. stand for ?
Abbreviation of the word species (plural)
93. What do mental barbels specifically refer to ?
Barbels on the chin
94. Spell *Pterygoplichthys* ?
P T E R Y G O P L I C H T H Y S

QUIZ QUESTIONS : General Knowledge

95. Spell *Nannaethiops* ?
NANNAETHIOPS
96. What is *Flexibacter* ?
It is a mouth fungus found mainly on livebearers such as Mollies
97. What is the difference between pelagic and benthic fishes ?
Pelagic is an open water swimmer - benthic is a bottom dweller
98. What does a Rat-tail Maggot turn into ?
Hover-fly
99. What does pathogenic mean ?
Disease-causing
100. The scientific name for the Belgian Flag Tetra is *Hyphessobrycon heterorhabdus*.
Spell *heterorhabdus* ?
HETERORHABDUS
101. What is the first stage young of the Salmon or Trout called ?
Smolt
102. What is the second stage young of the Salmon or Trout called ?
Parr
103. What are nasal septa and where are they found ?
They are the 'Pom Poms' on the nose of the Pom-Pon Fancy Goldfish
104. What is the equivalent in °F to minus 40°C ?
Minus 40°F
105. Which Lake is the source of the White Nile ?
Lake Victoria

QUIZ QUESTIONS : General Knowledge

106. What word describes a fish that eats both plants and fish ?
Omnivorous
107. What river did Francisco de Orellano become the first to travel the length of ?
The Amazon
108. You know about genus and species of fish but what genus and species is man classified as ?
Homo sapiens
109. How many gallons of water are in an aquarium if the water weighs 100lbs ?
10
110. What British river fish, weighing in at 388lbs, is the largest ever caught
A Sturgeon
111. Which river tumbles over the Victoria Falls ?
The Zambezi
112. What is the world's warmest sea ?
The Red Sea
113. What are the two colours of the River Nile ?
White and Blue
114. Which of the Great Lakes shares its name with a U.S. State ?
Lake Michigan
115. What are the three Kingdoms of Nature ?
Animal, Vegetable and Mineral
116. What isn't it legal to tickle ?
Trout
117. Which is the smallest ocean ?
The Arctic

QUIZ QUESTIONS : General Knowledge

118. What Isle in Cambridgeshire isn't surrounded by water ?
The Isle of Ely
119. What is the largest country in Oceania ?
Australia
120. What does a Conchologist study ?
Shells and molluscs
121. What is the Fahrenheit equivalent of 0°Centigrade ?
32°F
123. What fish is served up as Kippers, Whitebait and Bloaters ?
Herring
124. What colour are a Scallop's 35 eyes ?
Blue
125. What does Nitric Acid's other name, *Aqua fortis*, mean ?
Strong Water
126. What ocean's area is 64,186,000 square miles ?
The Pacific
127. What has a Killer Whale got 260 of ?
Teeth
128. What Sea laps the Great Barrier Reef ?
The Coral Sea
129. A Frog closes what when it swallows ?
Its eyes
130. In which Park is London Zoo Aquarium ?
Regents Park
131. What is the term used for an organism that lives on, or in, another ?
Parasite

QUIZ QUESTIONS : General Knowledge

132. What can be Red, Black and Dead ?
Seas
133. What does a Pisciculturist do ?
Breeds fish
134. Put the world's three largest oceans, in order of size, largest first ?
Pacific, Atlantic and Indian
135. What is the world's largest coral reef ?
The Great Barrier Reef
136. What is a Portugese Man-of-War ?
A Jellyfish
137. Where is the Sea of Tranquillity ?
On the moon
138. What is the name of Jacques Cousteau's research ship ?
Calypso
139. Which is colder, -40°C or -40°F ?
Neither - they are exactly the same temperature
140. Why would a Halibut fail to spot an angler on its left-hand-side ?
Because both its eyes are on the right-hand side of its head
141. What was the Zaire river formerly known as ?
The Congo River
142. What is a Shark's skeleton made of ?
Cartilage
143. What body of water contains four ounces of salt for every pint of water ?
The Dead Sea

QUIZ QUESTIONS : General Knowledge

144. What is a holotype ?
The specimen on which the description of a new species is based
145. What fish's skin was once used commercially as sandpaper ?
The Shark
146. What is the world's largest fish ?
Whale Shark - 40 feet long and 20 tons is not uncommon
147. Into which ocean does the Zambezi river flow ?
The Indian Ocean
148. What brewing aid is obtained from the Sturgeon ?
Isinglass
149. What does a Limnologist study ?
Bodies of freshwater with reference to their plant and animal life, physical properties and geographical features
150. Who has an African Dwarf Cichlid and a *Synodontis* named in his honour ?
Pierre Bichard
151. How many gills does a bony fish have ?
Eight
152. What colour is often associated with cancer in fish ?
Black
153. After whom was the Grindal worm named ?
Mrs M.Grindal of Sweden
154. What is Sterba's first name ?
Gunther. (That's his author's first name - his real first name is Hans)

QUIZ QUESTIONS : General Knowledge

155. What does the word palustrine mean ?
Swamp-living
156. Which of the following is false about the Antarctic Icefish:
a) it has no red blood cells -
b) it has antifreeze in its blood -
c) it has two dorsals -
d) it has large scales along its body ?
d)
157. *Cyclops* are which of the following:
Small snails - On-eyed crustacea -
Burrowing Crabs ?
One-eyed crustacea
158. Does *Tubifex* sit in the mud head or tail down ?
Head down
159. The fastest known fish is the Marine Sailfish. What is its fastest recorded speed to within 5 mph ?
68.2 mph. (63.2 - 73.2 mph.)
160. Fish can be aged by which of the following:
a) Looking at the rings on their scales
b) Counting their teeth
c) Studying the lens of their eyes ?
a)
161. The largest British marine fish is the Basking Shark. What is its maximum length to within 2 feet ?
30 feet (28-32 feet)
162. Who wrote 'Characoids of the World' ?
Gery

QUIZ QUESTIONS : General Knowledge

163. Fish are poikilothermic. What does this mean ?
Fish are unable to maintain a constant body temperature (it varies according to that of the surrounding water)
164. What is a biotopic aquarium ?
One set up exactly as in nature - fishes, plants, water, rocks etc from one particular place
165. What are Gastropods ?
Snails
166. What is an Ectoparasite ?
Parasite that lives outside of its host
167. Name 7 worm foods for fish ?
**Micro - Blood - White - Glass
Tubifex - Grindal - Earth**
168. Spell the genus name for the Longnose Knifefish - *Gymnorhamphichthys* ?
G Y M N O R H A M P H I C T H Y S
169. What is the difference between *Artemia* and *Artemia* nauplii ?
***Artemia* is the adult and nauplii is the newly hatched Brine Shrimp**
170. Of which Gnat is Glassworm the larvae ?
Plumed Gnat
171. Who wrote the T.F.H. book "Rasbora" ?
Dr. Martin Brittan
172. The Amazon rises where ?
The Peruvian Andes

QUIZ QUESTIONS : General Knowledge

173. What is the chemical symbol for Ozone ?
O₃
174. The aquatic larvae of the insect Order Odonata are predators of small animal forms and young fishes. What is the name of this creature ?
Dragonfly
175. What insect with an aquatic larva is generically known as *Anopheles* ?
Mosquito
176. What is Rotenone used for ?
A poison for use in collecting fishes
177. In what aspect does the larval stage of newts differ from frogs ?
The fore limbs come first
178. What was the nationality of the person responsible for the setting up of Modern systematics or Nomenclature ?
Swedish
179. Which of the following is not an airbreather :
Betta splendens - *Corydoras rabauti*
Cobitis taenia - *Clarias catfish* ?
***Corydoras rabauti* - it only fills its air bladder**
180. Are there any native livebearing fish in the UK ?
Yes - the Viviparous Blenny (and maybe some visiting Sharks found in the Channel)
181. What word is used to describe the cross-bars on the flanks of a fish ?
Transverse
182. Why should you not have members of the Dytiscidae Family in your aquarium ?
Because they are predatory Beetles

QUIZ QUESTIONS : General Knowledge

183. How many fins has *Limnobium stoloniferum* ?

None - it's a plant

184. Where do *Belonesox belizanus* lay their eggs ?

They don't - they are livebearers

185. Specifically, what are rictal barbels ?

Barbels that project from the corners of the mouth

186. In which of the following is the male] responsible for hatching the eggs:

Swordtail - Egyptian Mouthbrooder

Bullhead - *Tilapia* ?

Bullhead

187. Which of the following fish walk:

Salmo - *Clupea* - *Esox* - *Periophthalmus* ?

***Periophthalmus* - it is the Mudskipper - others are Trout - Herring - Pike**

188. Which of the following is believed to be extinct in the wild:

a) Marigold Sword

b) *Skiffia francesae*

c) Coelacanth

d) *Cynolebias constanciae* ?

b) *Skiffia francesae*

a) has never existed in the wild

c) & d) are believed rare but not extinct

189. What type of creature is *Daphnia* -

Is it a crustacean - insect - bivalve ?

Crustacean

190. Which of the following fish is a true surface feeder:

Molly - Ram - Head & Tail Light - Discus ?

Molly - It has an upturned mouth

QUIZ QUESTIONS - True or False ?

1. Many marine fish lay pelagic eggs.

This means that they are suspended in sea water after they have been fertilised.

True or false ?

True

2. *Amphiprion percula* is a coldwater Perch -

True or false ? If false, why ?

False - It is a tropical marine fish

3. *Fundulus grandis* - the Texan Killifish is found in Texas. True or false ?

True

4. The word *auratus* means "overlaid with gold" -

True or false?

True

5. The Latin word *scalare* means "dishlike" -

True or false - If false why ?

False - it means "ladder-like"

6. *Nothobranchius* are native to Florida -

True or false - if false why ?

False - They come from Africa

7. *Cyprinella (Notropis) lutrensis* lives in the Niger delta - True or false - if false why?

False - Red Shiners come from Central and Southern America as far as Mexico

8. Some species of *Betta* are mouthbrooders -

True or false ?

True - *Betta taeniata* is a mouth-brooder

9. Cestodes are tapeworms - True or false -

if false why ?

True

10. All Characins have an adipose fin -

True or false ?

False

QUIZ QUESTIONS - True or False ?

11. *Chilodus punctatus* swims nose down -
True or false - if false why ?
True
12. There are 2 species of *Danio* found in Australia.
True or false - if false why ?
False - no Danios are found in Australia
13. The genus *Botia* is native to South America.
True or false - if false why ?
False - They are native to South East Asia
14. The Blind Cave Fish is the only blind Characin -
True or false ?
True
15. Offspring from cross-bred Pearl and Zebra
Danios would be fertile. True or false -
if false why ?
False - the offspring would be sterile
16. *Dermogenys pusillus* is viviparous -
True or false - if false why ?
True - The Halfbeak is a livebearer
17. *Cryptocaryon* is a plant preferring shade -
True or false - if false why ?
False - it's the marine version of Whitespot
18. You can put *Didiplis diandra* into your aquarium
without any problems - True or false -
if false why ?
True - it is a plant
19. Is the following progression correct - if not, why
not:
ANIMAL KINGDOM - ORDER - PHYLLUM -
CLASS - FAMILY - GENERA - SPECIES
False - ORDER comes after CLASS
20. Pelvic fins are placed forward in the thoracic
position in anabantoids. True or False ?
True

QUIZ QUESTIONS - True or False ?

21. You can tell *Hypoptopoma* by the lack of an adipose fin - True or false - if false, why ?
False - they come with and without an adipose
22. There are more species of *Haplochromis* in each of the three Great Lakes of Africa than any other single species. True or false - if false why ?
False - There are more *Lamprologus* than *Haplochromis* species
23. *Julidochromis* is endemic to Lake Tanganyika. True or false - if false why ?
True
24. Blennies regularly suffer with swim bladder trouble. True or false - if false why ?
False - Blennies do not have swim bladders
25. Many Loaches breathe through their anus - True or false - If false why ?
True
26. Sharks use oil to stay afloat. True or false - If false why ?
True
27. The Cherry Barb, Blind Cave Fish and *Cynolebias constanciae* are all on the endangered species list. True or false. If false why ?
True
28. Labyrinth Fishes are restricted to the Asian continent. True or false - if false why ?
False - they also come from Africa
29. The Zander is endemic to the United Kingdom ? True or false - if false why ?
False - it originates from the Danube

QUIZ QUESTIONS - True or False ?

30. Rasboras are native to South East Asia -
True or false - if false why ?
False - A very few little known Rasboras come from Africa
31. *Micralestes* is found from the Orinoco to the La Plata Basin - True or false - if false why ?
False - They come from Africa
32. A coldwater plant is called the Duck Potato -
True or false ?
True - the American *Sagittaria latifolia*

QUIZ QUESTIONS : Brainteasers

1. In what London Show would you expect *Megalomphodus* to star ?
Phantom of the Opera
2. In what London Show would you expect Classes G to H to star ?
Cats
3. Would you raise this fish on the 4th July.
(Common or scientific name) ?
American Flag Fish - *Jordanella floridae*
4. What have *Trichopsis vittatus* and Frogs in common?
They both croak
5. A fish (common name) associated with the Highway Code ?
Zebra (crossing)
6. Does this fish live in Sherwood Forest ?
Archerfish
7. An affectionate fish ?
Kissing Gourami
8. I'm found on a gun ?
Triggerfish
9. A marine beast of burden ?
Seahorse
10. Associated with display lights ?
Neon
11. Fish associated with the Black and White Minstrels ?
Banjo Cat
12. A lady spends much time in front of this ?
Mirror (Carp)
13. Fish associated with U.S. currency ?
Silver Dollar

QUIZ QUESTIONS : Brainteasers

14. You can make your mark with this fish ?
Pencilfish
15. You could find me in a public house ?
Bass - Glass Fish - Alewife
16. Old girl friend ?
Flame Tetra
17. Uncle Ben's favourite ?
Ricefish
18. Kept by Lighthouse keepers ?
Beacon Tetra
19. Not to be eaten if you are on a diet ?
Chocolate Gourami ; Liquorice Gourami
20. Frankie Vaughan's favourite ?
Moonlight Gourami
21. Undersized magistrate ?
Halfbeak
22. Fish associated with the sky ?
White Cloud Mountain Minnow - Sunfish
23. Fish with King and Emperor associations ?
Penguin
24. Hard drinker ?
Rummy-nose Tetra
25. Birds do this ?
Perch
26. Fish associated with cricket ?
Batfish
27. Most children want to drive this ?
Puffer
28. A fish associated with the colour spectrum ?
Rainbowfish
29. Finish flag at a motor race ?
Checkered Barb

QUIZ QUESTIONS : Brainteasers

30. Is this fish on its way out ?

Croaking Gourami

31. Autumn downfall ?

Leaf-fish

32. Pigs may fly, but not this ?

Flying Fox

33. My daily wage is a bowl of rice ?

Coolie (Loach)

34. What musical is set in Catfish Row ?

Porgy and Bess

35. What kind of duck is a fish ?

Bombay Duck

36. How do Porcupinefish breed ?

Very carefully

37. What kind of fish did Pinocchio keep ?

Goldfish

38. Why do Sturgeons appear in record books ?

They are the world's longest living creatures

39. What fish was first presented May 16th 1929 at The Roosevelt Hotel ?

Oscar

40. Where would you get a Shiner ?

U.S.A.

41. If you had just caught a Burundi - where would you be ?

Australia

42. What do the initials I.B.C. (an annual event) stand for ?

International Betta Congress

43. Why would you find *Oryzias latipes* on a dinner plate ?

It is a Ricefish

QUIZ QUESTIONS : Brainteasers

44. Where on a ship would you find *Dianema longibarbus* ?
The porthole - Porthole Catfish
45. Where in a door would you find *Squalius cephalus* ?
In the door lock - it is the Chub(b)
46. What type of ship catches *Barbus callipterus* ?
Clipper (Barb)
47. What does S.L.A.D.A.S. stand for ?
Southend Leigh and District Aquarist Society
48. What does A.S.A.S. stand for ?
Association of Southern Aquarist Societies
49. What does E.L.A.P.A. stand for ?
East London Aquarists and Pondkeepers Association
50. Which associations hold Shows at the following locations :
Doncaster - Manchester - Motherwell
Weston-supe Mare?
Y.A.A.S. - F.N.A.S. - F.S.A.S - F.B.A.S.
51. What do a Kangaroo, an Ant-eater and a Sea-horse have in common ?
They all have pouches
52. What goes Salt, Mustard, Vinegar, Pepper, Splosh ?
The Mudskipper
53. There are two *B.splendens*. What do the B's stand for ?
Brochis and Betta
54. Where would you be most likely to see a Barb in the U.S.A. ?
In an aquarium

QUIZ QUESTIONS : Brainteasers

55. What do the following have in common:
Amphiprion percula - *Barbus tetrazona* -
Pterois volitans - *Gnathonemus petersii* ?
**Circus or Animal names - Clown (Fish)
Tiger (Barb) / Lion (Fish) / Elephant (nose)**
56. South American ladies string these into necklaces. What is my common name ?
Argentine Pearlfish
57. Place the following in rank order, highest first, according to their common names :
Lophias piscatorius - *Brachyrhaphis episcopi*
Acerina cernua - *Paracheirodon axelrodi* ?
**A.cernua is the Pope Fish,
Paracheirodon axelrodi is the Cardinal,
Brachyrhaphis episcopi the Bishop
L.piscatorius the Monk Fish**
58. Why would you expect to find *Acanthurus leucosternum* in a hospital ?
It is a Surgeonfish. (Marine)
59. Why should *Polycentrus schomburgkhi* grow on trees ?
Because it is the Leaf-fish
60. What fish could you plant in the Garden ?
Pumpkinseed
61. What fish flies across the sky every so often ?
The Comet

QUIZ QUESTIONS : Meanings

1. What does the Killi part of Killifish mean ?
Ditch
2. Give the meaning of *Aphyosemion* ?
Small fish with a flag
3. What is the meaning of *Gambusia* ?
Nothing - It is the Cuban word for nothing
4. What does *Leptobarbus* mean ?
Slender Barb
5. What is the meaning of the word *monogramma* ?
One-lined
6. What in Swedish does "vita prick" mean ?
Whitespot disease
7. What does *Nannostomus* mean ?
Dwarf mouth (not small mouth)
8. What does 'Ptero' as in *Pterodoras*, *Pterolebias* or *Pterophyllum* mean ?
Winged (remember *Pterodactyl* - winged lizard)
9. What do the letters sp. stand for ?
Abbreviation of SPECIES (singular)
10. What does *macracantha /um* mean ?
Large-spined
11. If a fish is a hermaphrodite - what does this mean ?
It can function as either sex, not necessarily always at the same time
12. What does *semifasciata* mean ?
Half-striped
13. What does *semifasciolatus* mean ?
Half-banded
14. *Gymnotus carapo* is a Knifefish, but what does *Gymnotus* mean?
Naked back (no dorsal fin)

QUIZ QUESTIONS : Meanings

15. *Limia melanogaster* is the Blue Limia but what does *melanogaster* mean ?

Black belly

16. What does *pulcher* mean ?

Pretty

17. What does *brevis* as in *Lamprologus brevis* mean ?

Short

18. *Pterophyllum altum* is a species of Angel Fish. What does *altum* mean ?

High, meaning tall (ie, deep in the body)

19. What does *latipinna* mean ?

Wide fins

20. What does *Aequidens* mean ?

Equal teeth

21. What is the meaning of *Cheirodon* ?

Hand-shaped teeth

22. What does the word *Hemiodus* mean ?

Half-toothed - teeth in the upper jaw only

QUIZ QUESTIONS : Origins & Belongings

1. To which group of fishes does the Sprat belong ?
Herrings
2. What is the Family name for livebearing tooth-carp ?
Poeciliidae
3. In which Family would you place the Elephant-Nose group of fishes ?
Mormyridae
4. What is the meaning of the word Perciformes when referring to a fish Order ?
Perch-shaped fishes
5. Where does *Hemibarbus longirostris* come from ?
Japan / China / Korea
6. What part of Africa does the Kribensis Cichlid come from ?
West Africa
7. To which Family do the Darters belong ?
Percidae
8. From which river system does the genus *Distichodus* originate ?
The Zaire (Congo)
9. From which country does *Gymnocorymbus ternetzi* originate ?
Paraguay
10. Where does *Hyphessobrycon* originate ?
South America - mainly the River Amazon
11. Pencilfishes are the genus *Nannostomus*. To which Family do they belong ?
Lebiasinidae

QUIZ QUESTIONS : Origins & Belongings

12. The generas *Chilodus* and *Distichodus* come from which continents ?

***Chilodus* - South America**

***Distichodus* - Africa**

13. If you collected *Arnoldichthys spilopterus* from the wild, on what continent would you be ?

Africa

14. To which Family do Hatchetfishes belong ?

Gasteropelecidae

15. Where does the Glass Catfish *Kryptopterus* originate ?

Indo-china and the Sunda Islands

16. From which country does *Ameioba splendens* originate ?

Mexico

17. From which country does *Chanda ranga* originate ?

India

18. From what part of Australia does the Black-lined Rainbowfish come ?

Northern Australia

19. To which Family does *Badis badis* belong ?

Nandidae - some now say Badidae

20. From which lake do *Julidochromis* come ?

Lake Tanganyika

21. To which Family does *Hoplarchus psittacus* belong ?

Cichlidae

22. To which Family does *Mystus micranthus* belong ?

Bagridae

23. Where does *Bedotia geayi* originate ?

Madagascar

QUIZ QUESTIONS : Origins & Belongings

24. Where does *Carassiops* originate ?
**Australia and Papua New Guinea
(Gobies - now named *Hypseleotris*)**
25. Where does *Leiocassis siamensis* originate ?
Thailand
26. Name the 4 Islands or Countries that
Rainbowfishes come from ?
**Australia - New Guinea - Madagascar -
Celebes**
27. On which continent is the Family
Mormyridae found ?
Africa
28. To which Family do Parasitic Catfishes
belong ?
Trichomycteridae
29. Where do the Family Aspredinidae come from
and what are they commonly known as ?
South America - Banjo Catfish
30. Upside-down Catfish belong to which Family ?
Mochokidae
31. Where did the Neon Tetra originate ?
River Amazon
32. Where do *Pimelodus maculatus* originate ?
Brazil - Paraguay
33. What are Mbuna and where exactly do they
originate ?
Rock-dwelling Cichlids from Lake Malawi
34. In which rivers is the true, or Heckel, Discus,
Symphysodon discus found ?
Rio Negro and Rio Trombetas
35. In what country is the Dwarf or Chained Loach
(*Botia sidthimunki*) found ?
Thailand

QUIZ QUESTIONS : Origins & Belongings

36. To which Family does the fish *Hassar notospilus* belong ?
Doradidae
37. From what country does *Cichlasoma motuguense* originate ?
Nicaragua
38. Where does *Platystomatichthys* originate ?
Brazilian Amazon
39. Where does the Ram originate ?
Venezuela
40. Which is the home of *Pimelodus pictus* - Colombia, Eastern Brazil or Mexico ?
Colombia
41. To which Family do Loaches belong ?
Cobitidae
42. White's Pearl Fish is an annual egg-laying toothcarp from Rio de Janeiro State.
To what Genus does this fish belong ?
Cynolebias
43. Where does Cuming's Barb originate ?
Ceylon/Sri Lanka
44. Where does the Giant Scissortail (*Rasbora caudimaculata*) originate ?
Malayan peninsula
45. To which Family does *Rasbora* belong ?
Cyprinidae
46. Where do *Osteocheilus* originate ?
Indonesia – Thailand

QUIZ QUESTIONS : Origins & Belongings

47. Which of the following is from Africa:
Barbus fasciatus - *Barbus lineatus*
Barbus titteya - *Barbus fasciolatus* ?
Barbus fasciolatus
48. From what continent(s) do *Labeo erythrurus* and *Labeo forskali* come ?
***L.erythrurus* - Asia, *L. forskali* - Africa**
49. *Cryptocoryne walkeri*, *C.wendtii* and *C.willisia* are native to which country ?
Sri Lanka
50. To which Family (common name) is a Filefish most closely related ?
Triggerfishes

QUIZ QUESTION : Connections & Differences

1. Name 5 fish having RED-TAILED in their name ?

**Red-tailed BARB; BLACK SHARK;
CATFISH; FLAG TETRA; PENCILFISH;
RAINBOWFISH; RASBORA; TETRA**

2. Name seven fish with the name of a fruit in its common name ?

**CHERRY BARB - MELON BARB -
ORANGE BARB - ORANGE-CHEEK BARB
ORANGE CHROMIDE - ORANGE PANCHAX
ORANGE-FINNED BARB
ORANGE-FINNED LOACH/CHARACIN/MINNOW
LEMON BARB/CICHLID/TETRA
PINEAPPLE SWORDTAIL etc**

3. What is the connection between :

Barbus phutunio - Colisa lalia

Nymphaea micrantha - Aplocheilus blocki ?

**They are all DWARFS - Dwarf Barb / Gourami
Lily / Panchax**

4. What is the connection between :

Barbus semifasciolatus - Etroplus suratensis

Aplocheilus blocki - Rivulus urophthalmus ?

**GREEN - Barb / Chromide / Panchax
Rivulus**

5. What is the connection between the following:

Epiplatys annulatus - Notopterus chitala -

Barbus everetti - Botia macracantha -

Rasbora kalachroma - Hemiancistrus nicefordi ?

**CLOWN - Killie / Knifefish / Sucker Catfish/
Barb / Loach / Rasbora**

QUIZ QUESTION : Connections & Differences

6. Which of the following is not a fish:
Lepisosteus - *Gadus* - *Latimeria* - Mysticeti ?
Mysticeti are Baleen Whales
7. Which, and why, is the odd one out :
Hoplosternum thoracatum - *Colisa lalia*
Betta picta ?
***Betta picta* - it is a mouthbrooder not a bubble nest breeder**
8. What have *Barbus vittatus*, *Heros severum*,
Ctenopoma fasciolatum in common ?
BANDED - Barb - Cichlid - Climbing Perch
9. Which of the following has an adipose fin:
Labeo bicolor - *Polypterus ornatipinnis* -
Pseudocrenilabrus philander -
Paracheirodon innesi ?
P.innesi
10. What have these fish in common:
Hyphessobrycon heterorhabdus -
Dianema striata - *Jordanella floridae* ?
**FLAG - Belgium Flag - Flagtail Catfish -
American Flag Fish**
11. What do the Malayan Burrowing Snail,
Freshwater Stingray and the Guppy
have in common ?
All are livebearers
12. What is the connection between :
Radiocentrus ornatus - *Chilatherina lorentzi*
and *Quirichthys stramineus* ?
They are all Rainbowfishes

QUIZ QUESTION : Connections & Differences

13. What is the common factor between
Dianema urostriata - *Prochilodus insignis*
Corydoras robinae - *Hemigrammus rhodostomus*
Petitella georgiae ?
All have black and white striped tails
14. Which is the odd one out and why:
Buffo buffo - *Badis badis* - *Idus idus*
Gobio gobio - *Tinca tinca* ?
Buffo buffo is a Common Toad, not a fish
15. What word connects the following fish:
Belonosex - *Esox* - *Crenicichla*
Pike (Top Livebearer; Pike; Pike Cichlid)
16. What is the difference between a Goggle-eye
and a Globe-eye ?
**A Goggle-eye is an alternative common name
for the Sun Bass.
A Globe-eye is a Fancy Goldfish**
17. *Dormitator maculatus* - *Scatophagus argus*
Monodactylus sebae have what in common ?
They are all brackish water fish

QUIZ QUESTIONS : Showing & Classes

1. In what Class would you enter a *Rasbora* ?
Class J
2. Place the following in order of Size, largest first:
Spanner Barb - Clown Barb - Swamp Barb ?
**Swamp Barb 170mm / Spanner Barb 160mm /
Clown Barb 140mm**
3. There are 10 Classes in which Cyprinids may be shown - name 6 ?
**A - Furnished Aquaria & Aquascapes
B - Barbs / J - Rasboras / K - Danios & WCMM
M - AOS Tropical Egglayers / N - Pairs
U - Singletail Goldfish / V - Twintail Goldfish
W - AOS C/water / Xb-m Egglayers Breeders**
4. In what Class would you enter *Acorus* species ?
Class Z
5. In what Class would you enter female Guppies ?
Class P
6. Name 8 varieties of Swordtails recognised by the F.B.A.S. ?
**WILD FORM/ ALBINO/ BERLIN/ BLACK
COMET/ GOLDEN/ GREEN/ LONDON/ RED
RED-EYED RED / TUXEDO / WAGTAIL
WEISBADEN**
7. In what Class would you enter *Hemibarbus longirostris* ?
Class W
8. Give the scientific names of the species of *Poecilia* only shown in Class 'S' ?
latipinna* - *mexicana* - *sphenops- velifera
9. What is the first category points are awarded for in Aquascape Classes ?
Fish and other animals

QUIZ QUESTIONS : Showing & Classes

10. In what Class would you enter a Dojo ?
Class L
11. What are the 5 categories in judging Aquascapes ?
**Fish and other animals - Plants - Design
Balance - Originality**
12. What is the minimum age you have to be to become an FBAS Judge ?
23 years of age
13. Aquascapes must have monochrome back and sides. What does monochrome mean?
All one colour
14. In which Class would you enter *Ottelia muricata* ?
Class Z - it is an aquatic plant
15. In Show terms, what are the age limits for juniors ?
Over 8 and under 16
16. What are the points headings for Marine Furnished Aquaria ?
**FISH - OTHER MARINE ANIMALS
CORAL/ROCKWORK - DESIGN
TECHNIQUE**
17. Name the Place Award Card colours in order 1st to 4th ?
RED - BLUE - YELLOW - GREEN
18. In what Class would you enter the genus *Amphiprion* ?
Class Y
19. In which Class would you enter *Aphanius dispar* ?
Class F

QUIZ QUESTIONS : Showing & Classes

20. What are the 3 Letters used to denote Any Other Species Classes ?
M (Tropical egglayers) - T (Livebearers) - W (Coldwater)
21. In what Class would you show the genus *Cyrtocara* ?
Class Dc
22. Which of the following is the largest fish in the Show Size List:
Promicrops lanceolatus - *Wallago attu* - *Labeo occidentalis* ?
***Promicrops lanceolatus* - Class Y - 3600mm**
23. Which of the following is the smallest in the Show Size List:
Poecilia hasemani (female) - *Noemacheilus waltoni* - *Diapteron seegersi* (female) ?
***N.waltoni* - Class L - 10mm**
24. Name the 3 genera of fish shown in Class H ?
Aspidoras* - *Brochis* - *Corydoras
25. What fish are shown in Class Mb ?
***Oryzias* - Ricefish and Medakas**
26. What is shown in Class Zb ?
Plants - Cuttings
27. In what Classes would you enter the following :
Hypostomus - *Corydoras* - Sucking Loach ?
Classes G - H - M
28. In what Class would you enter *Leptobarbus hoeveni* ?
Class M - it is a False Barb or Maroon Shark

QUIZ QUESTIONS : Showing & Classes

29. In the following Classes what fish would you enter: Nb-m / Xu-w ?
Egglayer Pairs - Coldwater Breeders
30. What specific fish can be entered in Classes: Ea / Cb / Da ?
***Betta splendens* - Pencilfish - Angelfish**
31. What is the largest fish in Class E ?
Osphronemus gouramy
32. What is the smallest fish in Class Cb ?
***Nannostomus marginatus* - 38mm**
33. What is the Show Size, to within 25mm, for the Tyre-track Eel - *Mastacembelus armatus* ?
750mm (725 - 775mm)
34. Class Dz lists members of the genus *Satanoperca*. What genus were they formerly ?
Geophagus
35. What *Rasbora*-like fish, also known commonly as a Barb, is exhibited in Class W ?
***Pseudorasbora parva* (Clicker Barb)**
36. How many F.B.A.S. 1st Place Cards do you need to receive a Bronze Pin ?
Twenty
37. How many points for difficulty are awarded to a Breeders Team of Eels ?
None - they are disqualified
a) over 14months old - all elvers are regarded to be over three years old on leaving the Sargasso Sea
b) Parents not owned by exhibitor
38. What fish are entered in Class Yz ?
Coldwater Marine (Ya=Tropical marine)

QUIZ QUESTIONS : Showing & Classes

39. In which Class would you show the Saddle-backed Barb ?
Class M - it is *Hampala macrolepidota*
40. What are the 5 Standards for judging Koi ?
**Body - Finnage - Colour - Pattern
Condition & Deportment**
41. In Class E, there are 13 different genera.
Name nine ?
***Anabas / Belontia / Betta / Colisa
Ctenopoma / Helostoma / Macropodus
Malpulutta / Osphronemus / Parosphronemus
Sphaerichthys / Trichogaster/ Trichopsis***