

## Written Examination for the Post : Fisheries Department

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### General Knowledge - Question Paper Set 1

- 1) The Rowlatt act was passed in?  
(a) 1909                      (b) 1913                      (c) 1919                      (d) 1925
- 2) Which movement was started by Mahatma Gandhi on 12 March , 1930  
(a) Khilafat                      (b) Noncooperation      (c) Civil Disobedience      (d) Quit India
- 3) The theory of economic drain of India during British imperialism was propounded by  
(a) Jawaharlal Nehru              (b) Dadabhai Naoroji              (c) R.C .Dutt                      (d) M.K.Naidu
- 4) The treaty of Srirangapatan was signed between Tipu Sultan and  
(a) Robert Clive              (b) Cornwallis              (c) Dalhousie                      (d) Warren Hastings
- 5) Under agreement with which of the following countries did Subhash Chandra Bose organized the Indian Soldiers, taken as prisoners by Axis Powers , into Azad Hind Fauj?  
(a) China                      (b) Germany                      (c) Italy                      (d) Japan
- 6) Grand Central Terminal, Park Avenue, New York is the world's?  
(a) Largest railway station                      (b) Highest railway station  
(c) Longest railway station                      (d) None of these
- 7) First human heart transplant operation conducted by Dr. Christian Bernard on Louis Washkansky, was conducted in  
(a) 1967                      (b) 1968                      (c) 1958                      (d) 1922
- 8) Galileo was an Italian astronomer who  
(a) developed the telescope  
(b) discovered four satellites of Jupiter  
(c) discovered that the movement of pendulum produces a regular time measurement  
(d) All of the above
- 9) Guru Gobind Singh was  
(a) the 10th Guru of the Sikhs                      (b) founder of Khalsa, the inner council of the Sikhs in 1699  
(c) author of Dasam Granth                      (d) All the above
- 10) Who was the first Indian Chief of Army Staff of the Indian Army  
(a) Gen. K. M. Cariappa                      (b) Vice- Admiral R.D.Katari  
(c) Gen.Maharaja Rajendra Singhji                      (d) None of the above
- 11) Coral reefs in India can be found in  
(a) the coast of Orissa                      (b) Waltair                      (c) Rameshwaram                      (d) Trivandrum
- 12) For safety, the fuse wire used in the mains for household supply of electricity must be made of metal having  
(a) low melting point      (b) high resistance      (c) high melting point                      (d) low specific heat
- 13) Durand Cup is associated with the game of  
(a) Cricket                      (b) football                      (c) Hockey                      (d) Volleyball
- 14) Headquarters of UNO are located at  
(a) New York, USA      (b) Hague ( Netherlands)      (c) Geneva                      (d) Paris

- 15) G – 15 is an economic grouping of  
(a) First World Nations (b) Second World Nations  
(c) Third World Nations (d) Fourth World Nations
- 16) Fathometer is used to measure  
(a) Earthquakes (b) Rainfall (c) Ocean depth (d) Sound intensity
- 17) Himalayan Mountaineering Institute is at  
(a) Darjeeling (b) Dehradun (c) Marmago (d) Dispur
- 18) Which of the following is used in pencils  
(a) Graphite (b) Silicon (c) Charcoal (d) Phosphorous
- 19) Which of the gas is not known as green house gas ?  
(a) Methane (b) Nitrous oxide (c) carbon dioxide (d) Hydrogen
- 20) The average salinity of sea water is  
(a) 3 % (b) 3.5 % (c) 2.5 % (d) 2%
- 21) Galvanised iron sheets have a coating of  
(a) lead (b) chromium (c) zink (d) tin
- 22) Non stick cooking utencils are coated with  
(a) Teflon (b) PVC (c) black paint (d) polystyrene
- 23) X-rays were discovered by  
(a) Roentgen (b) H. Davy (c) Faraday (d) Copernicus
- 24) Bodh Gaya : Bihar :: Tirupati : ?  
(a) Karnataka (b) Tamil Nadu (c) Andhra Pradesh (d) Kerala
- 25) World famous book ‘ Das Capital ‘ was written by  
(a) Angels (b) Karl Marx (c) R.C Dutta (d) None of these
- 26) Mary Kom belongs to which sports  
(a) Wrestling (b) Boxing (c) Shooting (d) Badminton
- 27) Who was the founder of Slave Dynasty  
(a) Mahmud Ghazni (b) Qutubuddin Aibak (c) Razia Sultan (d) None of the above
- 28) When was RBI established ?  
(a) 1949 (b) 1955 (c) 1934 (d) 1935
- 29) Which state in India has no railway line  
(a) Arunachal Pradesh (b) Meghalaya (c) Tripura (d) Nagaland
- 30) Which of the following constitutes the maximum share in power generation  
(a) Hydro power (b) Thermal power (c) Atomic power (d) All the above share equal
- 31) The maximum area under crops in India is used for the cultivation of  
(a) Wheat (b) Rice (c) Sugarcane (d) Cotton
- 32) The largest irrigation canal in India is called  
(a) Yamuna canal (b) Sirhand canal (c) Indira Gandhi canal (d) Upper Bari Doab canal

- 33) Palk Straights intervenes between India and  
 (a) Pakistan (b) Bangladesh (c) Sri Lanka (d) Myanmar
- 34) Which planet orbits closest to the earth  
 (a) Mars (b) Jupiter (c) Venus (d) Mercury
- 35) The largest postal network in the world is in  
 (a) U.S.A (b) China (c) India (d) Brazil
- 36) Which animal is the symbol of the world wildlife fund ?  
 (a) Tiger (b) Giant Panda (c) hornbill (d) White Bear
- 37) Which one of the following is the biggest shipping canal in the world ?  
 (a) Kiel Canal (b) Panama Canal (c) Soo Canal (d) Suez Canal
- 38) Which of the following satellite has been successfully launched on 12 January , 2018 ?  
 (a) RISAT -1 (b) LAPAN – TUBSAT (c) Cartosat – 2F (d) HAMSAT
- 39) Which of the following countries was India's largest trade partner in 2016 -17 ?  
 (a) USA (b) UAE (c) China (d) UK
- 40) India's longest train service is  
 (a) Himsagar Express (b) Vivek Express (c) Shatabdi Express (d) None of these
- 41) Which state has the largest forest cover in India ?  
 (a) Maharashtra (b) Madhya Pradesh (c) Jharkhand (d) Chhattisgarh
- 42) Which of the following funds will be set up as per the announcement of Budget 2018-19 ?  
 I. Long Term Irrigation Fund ( LTIF ) II. Micro Irrigation Fund ( MIF )  
 III. Fisheries and Aquaculture Infrastructure Development Fund ( FAIDF )  
 IV. Animal Husbandry Infrastructure Development Fund ( AHIDF )  
 (a) Only I and II are correct. (b) Only III and IV are correct.  
 (c) I, II, and III are correct. (d) I ,II ,III and IV are correct.
- 43) The Indian state that produces the highest percentage of prawn is  
 (a) Maharashtra (b) Tamil Nadu (c) Kerala (d) Andhra Pradesh
- 44) The traditional site for pearl fishing in India is  
 (a) Andaman (b) Gulf of Mannar (c) Tuticorin (d) Visakpatnam
- 45) The Atlantic ocean adjacent to \_\_\_\_\_ an important fishing region  
 (a) Norway (b) U.K (c) Icelands (d) India
- 46) The following are important fish catching states of India. Arrange them in a descending order and select the correct answer from the codes given below  
 ( 1 ) West Bengal and Orissa ( 2 ) Kerala ( 3 ) Tamil Nadu ( 4 ) Andhra Pradesh  
 (a) 1 ,2 ,3 ,4 (b) 3, 1 ,2 ,4 (c) 2, 3, 4, 1 (d) 4, 2, 1, 3
- 47) Which of the following fish are bred exclusively in the cold regions in India ?  
 (1) Catla (2) Tinca (3) Bhikti (4) Trout  
 (a) 1 and 4 (b) 2 and 4 (c) 1 and 2 (d) 3 and 4
- 48) Cultivation of fishes in artificially prepared ponds or water bodies is called  
 (a) Aquaculture (b) Pisciculture (c) Vermiculture (d) Agriculture

49) Fish flour is rich in

(a) Fat

(b) Protein

(c) Vitamins

(d) Minerals

50) Fish introduced in India by foreigners is

(a) *Labeo rohita*

(b) *Mystus singhala*

(c) Pomfret

(d) *Clarias batrachus*

## Written Examination for the Post : Fisheries Department

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### English - Question Paper Set 3

1) Use a, an, or the in the following statement

The children are making \_\_\_\_\_ noise.

- (a) a (b) an (c) the (d) None of the given

2) I shall pay the dues by 7th March

In passive voice this is

- (a) March 7th shall be the last day to pay dues  
(b) The dues will be paid by 7th March  
(c) The dues to be paid by 7th March  
(d) Last day to pay dues is 7th March

3) Why \_\_\_\_\_ no timely action \_\_\_\_\_ by the authorities ? ( take )

- (a) there was , taken (b) was , taken (c) was , took (d) was , take

4) ESPN is showing all the matches live

In passive voice this is

- (a) All the matches are being shown live on ESPN  
(b) All the live matches are available on ESPN  
(c) ESPN is the only channel showing all matches live  
(d) To get all live matches watch ESPN

5) Pick the correct choice from the ones given below

O that I were rich !

- (a) I wish I were rich (b) I hope that I will become rich  
(c) I thought that I can be rich (d) I believe that I can be rich

6) Poor as he is ,he is honest

\_\_\_\_\_, he is honest.

- (a) If he is poor (b) had he been poor (c) Should he be poor (d) Despite his poverty

**Direction (Q7 to Q12) Choose the appropriate alternate to fill in the blanks**

7) He is impressed \_\_\_\_\_ that idea and he wants to impress it \_\_\_\_\_ me

- (a) by , to (b) from , upon (c) at , to (d) with , upon

8) I am reconciled \_\_\_\_\_ my opponent but not \_\_\_\_\_ my losses

- (a) to , by (b) with , to (c) with , for (d) do , against

9) We will have to atone \_\_\_\_\_ our misdeeds.

- (a) at (b) on (c) for (d) to

10) The magistrate acquitted him \_\_\_\_\_ the charge

- (a) of (b) off (c) from (d) out of

11) How \_\_\_\_\_ ?

- (a) is the parcel sending (b) the parcel is being send  
(c) is the parcel being sent (d) the parcel is being sent

12) It is time for the shops \_\_\_\_\_

- (a) should be closed (b) to have been closed (c) to being closed (d) to be closed



**Directions (Q. 26 to 31) : Read the following passage and answer the questions given below it in the context of the passage.**

The window offered a view of the house opposite. The two families did not speak to each other because of a property dispute. One day, Ruchira's textbooks lay untouched as the young girl's gaze was on the happenings in the house opposite. There were two new faces in the neighbouring household – that of an elderly widow and a girl aged sixteen. Some times the elderly lady would sit by the window, doing the young girl's hair. On other days she was absent.

The new young neighbour's daily routine could be seen through the window – she cleaned the rice paddy; split nuts, put the cushions in the sun to air them. In the afternoons while the men were all at work some of the women slept and others played cards. The girl sat on the terrace and read. Sometimes she wrote. One day there was hindrance. She was writing when the elderly woman snatched the unfinished letter from her hands. Thereafter the girl was not to be seen on the terrace. Sometimes during the day sounds came from the house indicating that a massive argument was going on inside.

A few days passed. One evening Ruchira noticed the girl standing on the terrace in tears. The evening prayer was in progress. As she did daily, the girl bowed several times in prayer. Then she went downstairs.

That night Ruchira wrote a letter. She went out and posted it that very instant. But as she lay in bed that night, she prayed fervently that her offer of friendship wouldn't reach its destination. Ruchira then left for Madhupur and returned when it was time for college to start. She found the house opposite in darkness, locked. They had left.

When she stepped into her room she found the desk piled with letters – one had a local stamp on it with her name and address in unfamiliar handwriting. She quickly read it. They continued to write to each other for the next twenty years.

26) Why did Ruchira write a letter to her new neighbour?

- (a) She wanted to offer her, her help.
- (b) She wanted to be friends with her.
- (c) To apologize for her family's behaviour towards her family.
- (d) To encourage her to continue learning to read and write.

27) Which of the following can be said about Ruchira?

- (1) She used to spy on her neighbours because she didn't trust them.
  - (2) She was at home because she was studying.
  - (3) She did not speak to her neighbours because they did not own property.
- (a) None                      (b) Only (2)                      (c) Both (1) & (2)                      (d) Only (3)

28) How did the new young neighbour spend her days?

- (a) She was busy writing letters to Ruchira.
- (b) She used to daydream about her past experiences.
- (c) She would attend to the needs of the widow.
- (d) She spent her time learning to read and write.

29) What was the major argument in the house about?

- (a) There were too many people living there, which resulted in arguments.
- (b) The young girl was insisting on attending college.
- (c) The young girl had been wasting her time instead of working.
- (d) The old woman did not guard the young girl closely.

30) Which of the following is TRUE in the context of the passage?

- (a) The young girl was very devout and prayed everyday.
- (b) Only two letters were exchanged between the two girls.
- (c) The new young neighbour was a servant.
- (d) The afternoon was a time to relax for everyone.

- 31) Why did the young girl wish that the letter would not reach its destination?  
(1) She was going away and would not be able to see if her neighbour was glad to receive it.  
(2) She was afraid that it would lead to a quarrel between the two families.  
(3) She was afraid that her neighbour would be angry when she received her letter.  
(a) None (b) Only (1) (c) Only (3) (d) Both (2) & (3)

**Directions ( Q.No 32 to 35 ) Choose the expression that explains the given word correctly.**

- 32) Explicit  
(a) Trade prohibited by law (b) Drawing out a secret from somebody  
(c) Comparison that is out of place (d) Statement that is absolutely clear
- 33) Amnesia  
(a) Loss of wealth (b) Loss of health (c) Loss of memory (d) Suffering from sleeplessness
- 34) Curator  
(a) One who cures diseases  
(b) One who is officially in charge of a museum or art gallery  
(c) One who makes and repairs knives and other cutting tools  
(d) One who sells soaps, oils, candles, etc
- 35) Panacea  
(a) Property inherited from one's father  
(b) State of being unable to pay one's debts  
(c) Remedy for all diseases  
(d) Medicine that kills germs

**Direction ( Q.No. 36 to 38) Choose the word which most closely fits each definition**

- 36) A person who is interested in antiquities  
(a) Equestrian (b) Antiquarian (c) Antiquated (d) Dissenter
- 37) Medicine used against poison or to prevent a disease from having an effect.  
(a) Antimony (b) Antipode (c) Antidote (d) Antiseptic
- 38) List of names, places, goods, etc. in a special order  
(a) Monologue (b) Catalogue (c) Prologue (d) Dialogue

**Direction ( Q.No. 39 to 40 ) Choose the correct meaning of given idioms**

- 39) To pull the strings  
(a) to tighten up (b) to become alert (c) to manipulate (d) to act as a mediator
- 40) To read between the lines  
(a) to misunderstand (b) to read too much meaning into something  
(c) to see the writer's concealed meaning (d) to have bad eyesight

**Directions ( Q.No. 41 to 42 ) Suggest synonyms for the following words**

- 41) Unique  
(a) wholesome (b) refined (c) exceptional (d) diverse
- 42) Pathetic  
(a) clear (b) pitiful (c) overcome (d) prompt

**Directions ( Q.No. 43 to 44 ) Suggest antonyms for the following words**

43) Generosity

- (a) false                      (b) stinginess                      (c) vague                      (d) lazy

44) rare

- (a) lower                      (b) common                      (c) accept                      (d) attractive

45) Change the given sentence from direct to indirect

The doctor said to the patient, " Give up smoking ."

- (a) The doctor told patient to give up smoking  
(b) The patient was told to give up smoking by the doctor  
(c) The doctor advised the patient to give up smoking.  
(d) None of these

46) Convert from Simple sentence to Complex sentence

A dead man tells no tales

- (a) A man is dead so no tales                      (b) No tales for the dead man  
(c) A man who is dead tells no tales                      (d) None of these

47) Combine TWO simple sentences into ONE simple sentence

He is not able to come. I am not sorry .

- (a) He is not able to come so I am not sorry                      (b) I am not sorry for his inability to come  
(c) I am not sorry because he is not coming                      (d) None of these

48) Interchange Affirmative sentence into Negative Sentence

Patriotism is more important than any other virtue

- (a) Among many virtues Patriotism is important.  
(b) There is no other virtue important than Patriotism.  
(c) No other virtue is so important as Patriotism.  
(d) None of these.

49) The battery is strong and should last twenty-four hours. ( Rewrite using enough )

- (a) The battery is so strong ,enough to last twenty four hours.  
(b) The battery is enough to last twenty-four hours.  
(c) The battery is strong enough to last twenty-four hours.  
(d) None of these

50) Choose the correct spelling

- (a) Gazatte                      (b) Gazette                      (c) Gazete                      (d) Gazet

## Fisheries Department

### General Knowledge - Ans Key – SET- 1

1	c	11	c	21	c	31	b	41	b
2	b	12	a	22	a	32	c	42	d
3	b	13	b	23	a	33	c	43	b
4	b	14	a	24	c	34	c	44	c
5	d	15	c	25	b	35	c	45	a
6	a	16	c	26	b	36	b	46	a
7	a	17	a	27	b	37	d	47	d
8	d	18	a	28	d	38	c	48	b
9	d	19	d	29	d	39	c	49	b
10	a	20	b	30	b	40	b	50	c

## Fisheries Department

### English - Ans Key – SET- 3

1	a	11	c	21	c	31	b	41	c
2	b	12	d	22	c	32	d	42	b
3	b	13	b	23	c	33	c	43	b
4	a	14	a	24	d	34	b	44	b
5	a	15	a	25	b	35	c	45	c
6	d	16	b	26	b	36	b	46	c
7	d	17	c	27	b	37	c	47	b
8	b	18	c	28	d	38	b	48	c
9	c	19	c	29	c	39	c	49	c
10	a	20	d	30	a	40	c	50	b

Dated : 28.10.2018

Time Allowed: 2 Hours

PAPER- II (Fisheries Subject)

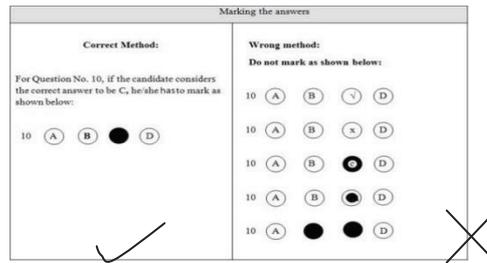
Maximum Marks: 100

*Read the following instruction carefully before you begin to answer the question. This booklet contains questions in English Only.*

**INSTRUCTIONS TO CANDIDATE**

1. Every candidate is required to satisfy that the Question Paper Booklet given to him / her contains the number of pages as printed on the cover page of the booklet. In case of any discrepancy, he/she should ask for replacement of the Question Paper Booklet immediately.
2. **Negative marking** - 0.5 marks will be deducted for every wrong answer from the total marks scored.
3. The Question Paper Booklet **will consist of 100 Multiple Choice Questions** (MCQ's). Each question **will be of one mark** and for every question, four answer options designated as A, B, C and D are given in the Question Paper Booklet. The candidate is required to select one amongst the options corresponding to the question as his/her right answer and darken the circle i.e. A or B or C or D as the case may be, to be the answer in the OMR Answer Sheet with blue/black ball point pen only.

Example:



4. Candidates are required to sign in the OMR Answer Sheets and Attendance Sheet in the same manner as they have signed in their application form and Admit Card. They must affix their Left Hand Thumb Impression in the attendance sheet.
5. The OMR Answer Sheet contains the serial number of questions as given in the Question Paper Booklet. Against each question number, there are four circles marked as A, B, C, and D which correspond to the four answer options of which one is to be darkened on the OMR Answer Sheet only. No marking should be done on the Question Paper Booklet.
6. The candidate must write his Roll Number, as allotted to him/her and printed in the Admit Card, on OMR Answer Sheet in boxes and darken appropriate circles with Blue/Black Ball Point Pen. The candidate should not write his/her name and also not to make noting/scribbling on the Answer Sheet and Question Paper Booklet. In case any candidate fills in the information wrongly, the Authority will not take any responsibility of rectifying the mistake.
7. Candidates should not open the seal of the Question Paper Booklet before the time specified for the commencement of the examination.
8. Multiple darkened circles for a question will be treated as wrong answer. For question(s) not answered i.e. blanks, no marks will be given or deducted.
9. Candidate should not change /erase / overwrite on the options while answering the questions. In the event of any such act zero marks shall be given for the said question. Use of white/correction fluid, eraser, blade, etc. is not allowed on the OMR Answer Sheet.
10. The candidate will be required to submit the OMR Answer Sheet at the conclusion of each session of examination against acknowledgement by the Invigilator on the admit card.
11. Candidates may bring a card board or clip board on which nothing has been written so as to avoid any difficulty in darkening the circles in OMR Answer Sheet as the tables/furniture provided in the examination hall may or may not have even or smooth surface.

1. The following is often called as fouling organism  
a) *Lepas*                                      b) *Balanus*      c) *Mysis*                                      d) *Sacculina*
2. The following groups are bivalves except  
a) Oysters                                      b) Mussels      c) Clams                                      d) Snails
3. Scientific name of Brine shrimp is  
a) *Mysis*                                      b) *Artemia*                                      c) *Metapenaeus*                                      d) *Argulus*
4. The blood receiving chamber of fish heart  
a) sinus                                      b) venosus                                      c) atrium                                      d) ventricle
5. Numbers of nauplius, protozoa and mysis stages in tiger shrimp are  
a) 6,2,2                                      b) 4,3,3                                      c) 6,3,3                                      d) 6,3,2
6. *Clarias batrachus* is \_\_\_\_\_ breeder  
a) Prolific                                      b) Semi-annual                                      c) Annual                                      d) None of the above
7. Development of young ones without fertilization  
a) Protandrous hermaphroditism      b) Synchronous hermaphroditism  
c) Parthenogenesis                                      d) None
8. Complete cleavage of egg is known as  
a) Meroblastic                                      b) Mosaic cleavage      c) Both a & b                                      d) Holoblastic
9. Blood filling cavity in fish is called as  
a) Gonocoel                                      b) Nephrocoel                                      c) Collum                                      d) Haemocoel
10. Freshwater fish lives in a \_\_\_\_\_ medium  
a) Hypertonic                                      b) Isotonic                                      c) Neutral                                      d) Hypotonic
11. Singhi is \_\_\_\_\_ feeder  
a) Herbivorous                                      b) Carnivorous                                      c) Cannibalstic                                      d) Omnivore
12. The following ornamental fish is nest builder  
a) Angelfish                                      b) platy                                      c) Sword tail                                      d) Zebra fish
13. Who has pioneered in induced Carp Breeding in India  
a) Hiralal Chaudhury                                      b) Wilson Henry                                      c) MB Gupta      d) V G Jhingran
14. Diversity of fish  
a) Increases from poles to tropics      b) decreases from poles to tropics  
c) remains same from poles to tropics      d) None

15. Which is the character of cold waters?  
 a) high transparency, high DO and Rich Biota  
 b) High transparency, low DO and rich biota  
 c) Low transparency, high DO and sparse biota  
 d) High transparency, high DO and Sparse Biota
16. The maximum fish seed production comes from the state of  
 a) Bihar                      b) West Bengal              c) Andhra Pradesh              d) Uttar Pradesh
17. Padu fishing is practiced in  
 a) Chilka lake              b) Pulicat Lake              c) Sunderban              d) Vembanad
18. Reservoir Fisheries Resource (million ha.) of India  
 a) 2.25                      b) 3.15                      c) 4.50                      d) 6.50
19. The largest family of fishes  
 a) Gobiidae              b) Cyprinidae              c) Sciaenidae              d) Clupeidae
20. A drift gill net used in estuaries of West Bengal for hilsa fishing  
 a) Chandi jal              b) Ber jal              c) Kat jal              d) Shanglo jal
21. The major portion of Indus river system lies in  
 a) India                      b) Nepal                      c) Pakistan                      d) Bhutan
22. Which of the following fin has an elongated ray in gouramies  
 a) Dorsal Fin              b) Pectoral fin              c) pelvic fin              d) caudal fin
23. Average angle of continental slope is about  
 a) 8°                      b) 5°                      c) 3°                      d) 10°
24. Topmost captured fish species in the world  
 a) Peruvian Anchovy              b) Alaska Pollock              c) Common Carp              d) Yellowfin Tuna
25. Ramsar site refers to  
 a) Coastal areas              b) Wetlands              c) Marine parks              d) Estuaries
26. The upwelling region along Indian coast  
 a) Northeast coast              b) Northwest coast  
 c) Southeast coast              d) Southwest coast
27. The Potential Fishing Zone advisory services is given by  
 a) CMFRI                      b) FSI                      c) INCOIS                      d) MPEDA



41. The zone which extends from the edge of the continental shelf over the slope to the high seas beyond is called  
 a) Pelagic zone      b) Neretic zone      c) Oceanic zone      d) Abyssal zone
42. Organochlorines accumulate in the \_\_\_\_\_ of an organism  
 a) mouth      b) gills      c) fatty tissue      d) digestive tract
43. The dissolution of gases in water is directly related to  
 a) Wind velocity      b) Temperature and atmospheric pressure  
 c) Surface current      d) Humidity of atmosphere
44. Ponds with organic carbon more than 2.5% level are considered to be \_\_\_\_\_ ponds  
 a) Non-productive      b) low productive  
 c) Medium productive      d) High Productive
45. Identify the refrigerant with highest toxicity  
 a) Freon-12      b) Ammonia      c) Sulphur dioxide      d) Carbon dioxide
46. Which is non-corrosive effect on metals/  
 a) Nitrogen      b) sulphur dioxide      c) carbon-dioxide      d) ammonia
47. Mode of heat transfer between liquid and gases is known as  
 a) Conduction      b) Convection      c) Radiation      d) None
48. Moisture content in timbers meant for boat building  
 a) 15-20%      b) 20-25%      c) 25-50%      d) 50-75%
49. Trammel net is a type of  
 a) trawl net      b) Purse seine      c) Gillnet      d) Long line
50. \_\_\_\_\_ is the setting of a line with baited hooks used to catch squids  
 a) Trolling      b) Lining      c) Jigging ``      d) Seining
51. Sagar Sukti a research vessel belongs to  
 a) CMFRI      b) FSI      c) NIO      d) CIFT
52. The cleaned, desalted air-dried swim bladder is called  
 a) Isinglass      b) fish maws      c) fish hydrolysate      d) fish silage
53. Agarose extracted from sea weeds finds use in  
 (a) Gel electrophoresis      (b) Spectrophotometry      (c) Tissue culture      (d) PCR

54. Agar is a hydrocolloid extracted from  
 a. Red seaweeds    b. Brown seaweeds    c. Green seaweeds    d. Blue green algae
55. Synthesis of protein takes place in  
 a) Mitochondria    b) Ribosomes    c) Cytoplasm    d) Nucleus
56. "Squaline" is a  
 a) Protein    b) Fatty acids    c) Hydrocarbon    d) Wax
57. The major carbohydrate present in fish is  
 a) Glucose    b) Glycogen    c) Lactose    d) None
58. During the financial year 2014-15, exports of marine products reached an all-time high of USD  
 a) 5000 million    b) 5500 million    c) 6500 million    d) 6800 million
59. Globulin is a \_\_\_\_\_ protein  
 a) Structural    b) Connective tissue    c) Stroma    d) Sarcoplasmic
60. Which among the following species likely to contain high fat content?  
 a) Common carp    b) Grey Mullet    c) Silver Pomfret    d) Pearl spot
61. Number of zoeal stages in crabs  
 a) 1    b) 3    c) 5    d) 7
62. Tiger shrimp larval stage which starts receiving artemia feeding  
 a) Nauplius    b) Protozoa    c) Mysis    d) PL
63. Optimum level of ammonia-N (ppm) required in shrimp hatcheries is  
 a) less than 0.01    b) 0.01-0.05    c) 0.05-0.1    d) less than 0.05
64. Which stains darkly  
 a) Euchromatin    b) Heterochromatin    c) Both    d) None
65. Which of the following is used to inactivate spermatozoa  
 a) Colchicine    b) DMSO    c) Both    d) None
66. Transgenic fish are those which are  
 a) Foreign RNA in all its cells    b) Foreign DNA in some of its cells  
 c) Foreign DNA in all cells    d) Both a & b

67. Gonopore in female shrimps is located at the base of  
 a) 1<sup>st</sup> pleopod    b) 2<sup>nd</sup> pleopod    c) 3<sup>rd</sup> walking leg    d) 5<sup>th</sup> walking leg
68. International Fish Farmers Day is  
 a) 10<sup>th</sup> July    b) 21<sup>st</sup> July    c) 10<sup>th</sup> Nov    d) 21<sup>st</sup> Nov
69. Which culture practice is adapted for culture of sea weed  
 a) Pen culture    b) Pond culture    c) Cage culture    d) Floating raft
70. 'Wheel – Animalcules' belong to:  
 a) Insect    b) Rotifera    c) Porifera    d) Trematods
71. The average annual per capita fish availability in India is about  
 a) 15 kg    b) 10 kg    c) 2 kg    d) 5 kg
72. Which of the following fishery has highest potential in Andaman  
 a) Tuna    b) Sharks    c) Cat fishes    d) Carps
73. \_\_\_\_\_ is called as aquatic chicken  
 a) Catla    b) Rohu    c) Tilapia    d) *Channa striatus*
74. The active compound present in Mahua oil cake is  
 a) Retenone    b) Saponin    c) a & b    d) None
75. Which is Euryhaline fish  
 a) Milk fish    b) Sea bass    c) a & b    d) None
76. Southern most tip point of India is  
 a) Indira Point    b) Kanyakumari    c) Nagercoil    d) Trivandrum
77. *M. rosenbergii* is a  
 a) Herbivore    b) Carnivore    c) Omnivore    d) None
78. Which is called as the mother of probiotics  
 a) Nitrosomonas    b) Lactic acid bacteria    c) Nitrobactor    d) None
79. Which is known as golden Mahseer?  
 a) *T. putitora*    b) *T. tor*    c) *T. mosal*    d) None
80. Induced breeding and seed production technology for sea bass was developed by  
 a) CIBA    b) CMFRI    c) CIFT    d) CIFRI

81. \_\_\_\_\_ is the largest producer of pearl  
a) India      b) USA   c) Japan      d) Philippines
82. In India trout hatchery is present in  
a) Bhimtal      b) Lonavla      c) a & b   d) None
83. The process of message transfer from DNA to mRNA is called  
a) Transcription      b) Translation   c) A & B      d) None
84. Scoliosis and Lordosis disease caused by deficiency of  
a) Vitamin A      b) Vitamin      c) Vitamin C      d) None
85. The National fish of India is  
a) Indian Mackerel      b) Indian oil sardine      c) Seer fish      d) None of these
86. Gear used of Bombay duck fishery is  
a) Shore seine      b) Gill net      c) Dol net      d) Gill net
87. Which of the following is referred as living fossil  
a) Lampreys      b) Coelacanth      c) Hag fishes      d) None of these
88. The chemical used for narcotizing the pearl oyster for conditioning  
a) Quinaldine      b) MS 222      c) Iodine      d) Menthol crystal
89. The most widely used cryoprotectant in fish gamete preservations are  
a) Methanol      b) DMSO      c) Acetic acid      d) None of these
90. The teleost fish has the following class of immunoglobulin  
a) I<sub>g</sub>E      b) I<sub>g</sub>M      c) I<sub>g</sub>A      d) I<sub>g</sub>G
91. Pectoral fins of mature brooders are rough in  
a) Male      b) Female      c) Both Male and Female      d) None of these
92. The species of grouper banned for fishing is  
a) *Epinephelus quoyanus*      b) *E. tauvina*      c) *E. lanceolatus*      d) None
93. The scientific name of Flower shrimp is  
a) *Penaeus monodon*      b) *P. indicus*      c) *P. semisulcatus*      d) None of these
94. Captive breeding of Cobia was successfully carried out by  
a) CMFRI      b) CIFT      c) CIBA      d) NIO
95. Which one is green seaweed  
a) *Ulva*      b) *Sargassum*      c) *Laminaria*      d) *Undaria*
96. The omega -3 fatty acid is  
a) Palmitic acid      b) Stearic acid      c) Linolenic acid      d) Oleic acid

97. Integrated fish farming is very widely practiced in  
a) Sri Lanka    b) Japan    c) China    d) None
98. Fresh water mussel for pearl production  
a) *Lamelliden marginalis*    b) *Pinctata fucata*    c) a&b    d) None
99. Scientific name of milk Fish  
a) *Chanos chanos*    b) *Elops machnata*    c) *Saurida tumbil*    d) None
100. The following species is found in relatively deep waters  
a) *Parapenaeopsis stylifera*    b) *Metapenaeus dobsoni*  
c) *Penaeus canaliculatus*    d) *Marsupenaeus japonicus*

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**ANSWER KEY FOR PAPER –II (SET A)**

1	B	26	D	51	C	76	A
2	D	27	C	52	B	77	C
3	B	28	C	53	A	78	B
4	A	29	A	54	A	79	A
5	C	30	B	55	B	80	A
6	C	31	C	56	C	81	C
7	C	32	B	57	B	82	C
8	D	33	B	58	B	83	A
9	D	34	B	59	D	84	C
10	D	35	C	60	B	85	A
11	D	36	B	61	C	86	C
12	A	37	B	62	C	87	B
13	A	38	C	63	A	88	D
14	A	39	B	64	B	89	B
15	D	40	B	65	B	90	B
16	B	41	C	66	C	91	A
17	B	42	C	67	C	92	C
18	B	43	B	68	A	93	C
19	B	44	D	69	D	94	A
20	A	45	C	70	B	95	A
21	C	46	C	71	B	96	C
22	C	47	B	72	A	97	C
23	C	48	A	73	C	98	A
24	A	49	C	74	B	99	A
25	B	50	C	75	C	100	A