



NETAJI SUBHAS OPEN UNIVERSITY

POST-GRADUATE COURSE

Assignment — June-2020/Dec.-2020

GEOGRAPHY

Paper-IB : Hydrology & Oceanography

QUESTION PAPER CUM ANSWER BOOKLET

(Full Marks : 50)

(Weightage of Marks : 20%)

Special credit will be given for precise and correct answer. Marks will be deducted for spelling mistakes, untidiness and illegible handwriting. The figures in the margin indicate full marks.

Name (in Block Letter) :

Enrolment No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Study Centre Name : Code :

To be filled by the Candidate	Serial No. of question answered																			TOTAL
For Evaluator's only	Marks awarded																			

Q.P. Code : **PA/3/IB**

PG-Sc.-AP-17118

Signature of Evaluator with Date



NETAJI SUBHAS OPEN UNIVERSITY

POST-GRADUATE COURSE

Assignment — June-2020/Dec.-2020

GEOGRAPHY

Paper-IB : Hydrology & Oceanography

STUDENT'S COPY

Name (in Block Letter) :

Enrolment No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Study Centre Name : Code :

Q.P. Code : **PA/3/IB**

PG-Sc.-AP-17118

Received Answer Booklet
Signature with seal by the Study-Centre

**জরুরি নির্দেশ / Important Instruction**

আগামী শিক্ষাবর্ষান্ত পরীক্ষায় (T.E. Exam.) নতুন ব্যবস্থা অর্থাৎ প্রশ্নসহ উত্তর পুস্তিকা (QPAB) প্রবর্তন করা হবে। এই নতুন ব্যবস্থার সঙ্গে পরীক্ষার্থীদের অভ্যস্ত করার জন্য বর্তমান অনুশীলন পত্রে নির্দেশ অনুযায়ী প্রতিটি প্রশ্নের উত্তর নির্দিষ্ট স্থানেই দিতে হবে।

New system i.e. Question Paper Cum Answer Booklet (QPAB) will be introduced in the coming Term End Examination. To get the candidates acquainted with the new system, assignment answer is to be given in the specified space according to the instructions.

**Detail schedule for submission of assignment for the
PG Term End Examination June-2020/Dec.-2020**

1. Date of Publication : 20/06/2020
2. Last date of Submission of answer script by the student to the study centre : 19/07/2020
3. Last date of Submission of marks by the examiner to the study centre : 16/08/2020
4. Date of evaluated answer scripts distribution by the study centre to the students (Students are advised to check their assignment marks on the evaluated answer scripts and marks lists in the study centre notice board. If there is any mismatch / any other problems of marks obtained and marks in the list, the students should report to their study centre Co-ordinator on spot for correction. The study centre is advised to send the corrected marks, if any, to the COE office within five days. No changed / correction of assignment marks will be accepted after the said five days.) : 23/08/2020
5. Last date of submission of marks by the study centre to the Department of C.O.E. on or before : 31/08/2020

এখানে কিছু লিখবেন না

Do Not Write Anything Here



Answer any *three* questions taking at least *one* from each half from Section-A.

Question No. 7 in section B is compulsory.

Section – A

Answer any *three* questions.

10 × 3 = 30

First Half

(Hydrology)

1. What is surface runoff ? Discuss the factors affecting surface runoff. 2 + 8
2. Give an account of the types of water included in the study of Hydrology. Describe the ways in which stream channel morphometry controls its hydrological system. 4 + 6
3. Describe the different types of Hydrograph and examine the factors affecting their graphical form. 6 + 4

Second Half

(Oceanography)

4. Examine the factors affecting the temperature distribution in the ocean waters and describe the pattern of horizontal distribution of temperature in ocean waters. 4 + 6
5. What is mangrove ecosystem ? Account for the importance of mangrove in the coastal environment. 3 + 7
6. What is the geotectonic significance of submarine canyons. Examine the pattern and significance of the Mid Atlantic Ridge. 4 + 6

First Answer :



QP Code : PA/3/IB

4 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

5 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

6 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

7 / 16

PG-Sc.-AP-17118

Second Answer :



QP Code : PA/3/IB

8 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

9 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

10 / 16

PG-Sc.-AP-17118

Third Answer :



QP Code : PA/3/IB

11 / 16

PG-Sc.-AP-17118



QP Code : PA/3/IB

12 / 16

PG-Sc.-AP-17118



Section – B

7. Write short notes on any *five* of the following :

4 × 5 = 20

- a) Global Hydrological Cycle
- b) Aquifer, aquiclude and aquitard
- c) Sub-surface water table
- d) Backshore zone
- e) Surface runoff
- f) Continental slope
- g) Atoll
- h) Permanent aquifer
- i) Mangrove ecosystem
- j) Ocean trenches.

First Answer :



QP Code : PA/3/IB

14 / 16

PG-Sc.-AP-17118

Second Answer :

Third Answer :



QP Code : PA/3/IB

15 / 16

PG-Sc.-AP-17118

Fourth Answer :

Fifth Answer :



QP Code : PA/3/IB

16 / 16

PG-Sc.-AP-17118