

## CERTIFICATE COURS NO:01



**GOBINDA PRASAD MAHAVIDYALAYA**

DEPARTMENT OF GEOGRAPHY

P.O.- Amarkanan ♦ Dist- Bankura ♦ Pin-722133

Website: www.gpm.ac.in

Ref No:-

Date 02.05.2023

### List of Enrolled student of certificate course-2023

UID NO	SEMESTER	NAME
22083119001	2 <sup>nd</sup>	MRINMOY NANDI
22083119002	2 <sup>nd</sup>	RAHUL RANA
22083119003	2 <sup>nd</sup>	PRIYA DUTTA
22083119004	2 <sup>nd</sup>	SAYAN PATRA
22083119005	2 <sup>nd</sup>	CHANDRIMA KHAN
22083119006	2 <sup>nd</sup>	SUBHRAJYOTI KARMAKAR
22083119007	2 <sup>nd</sup>	AKASH MAL
22083119008	2 <sup>nd</sup>	MANA GHOSH
22083119009	2 <sup>nd</sup>	KOYEL MANDAL
22083119010	2 <sup>nd</sup>	MITA KHAWAS
22083119011	2 <sup>nd</sup>	ARPITA HALDAR
22083119012	2 <sup>nd</sup>	DINESH CHANDRA TUDU
22083119013	2 <sup>nd</sup>	PRITIKANA NAYAK
22083119014	2 <sup>nd</sup>	JOYDIP GHOSH



*Biswajit Talukdar*

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Head

Department of Geography  
Gobinda Prasad Mahavidyalaya

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DEPARTMENT OF GEOGRAPHY  
G. P. Mahavidyalaya  
Amarkanan, Bankura

GOBINDA PRASAD MAHAVIDYALAYA  
DEPARTMENT OF GEOGRAPHY

SIX MONTHS ADD-ON COURSE ON GEOGRAPHY

COURSE TITLE:- "IDENTIFICATION OF ROCKS AND MINERALS WITH SPECIAL  
REFERENCE TO GEOLOGY & PHYSIOGRAPHY OF BANKURA DIST."

COURSE STRUCTURE:-

MODULE- I  
(Theoretical)

1. Definition of Minerals and Rocks
2. Concept of stress, strain and deformation of rocks
3. Characteristics of Rocks
  - i. On the basis of its origin.
  - ii. On the basis of its texture and structure.
  - iii. On the basis of its ductility and elasticity
4. Classification of Rocks.
  - i. Igneous rocks and igneous petrology.
  - ii. Sedimentary rocks and Sedimentology
  - iii. Metamorphic rocks and Metamorphic Petrology.

N.D. - Here all will be discussing on primary basis.
5. Geological formation, lithology and stratigraphy and its impact on physiography of Bankura district.
6. Igneous rocks and Igneous Petrology:-
  - i. Definition of igneous rock.
  - ii. Characteristics
  - iii. Classification of igneous rocks.
  - iv. Example of such igneous rocks from Amarkanan and its adjacent region.
  - v. Some uses of various igneous rocks.

(Practical)

1. Some megascopic specimen identification of Rocks and Minerals.
2. Analyzing some geological as well as stratigraphic maps of Bankura Dist. with special emphasis on Amarkanan and adjacent region.
3. Showing some specimen of igneous rocks and their distribution in Amarkanan and its surrounding.

MODULE- II  
(Theoretical)

1. Sedimentary rocks and sedimentology:-
  - i. Definition of Sedimentary rocks.
  - ii. Some characteristics of Sedimentary rocks.
  - iii. Classification of sedimentary rocks
  - iv. Example and some specimen of sedimentary rocks from Amarkanan and its surrounding.

2. Metamorphic rocks and metamorphic petrology. -
- i. Definition of Metamorphic rocks.
  - ii. Some characteristics of Metamorphic rocks.
  - iii. Classification of Metamorphic rocks.
  - iv. Example and some specimen of Metamorphic rocks from Amarkantak and its surrounding.

(Practical)

1. Megascopic Identification of sedimentary and metamorphic rocks. (Sandstone, conglomerate, grit, limestone, gneiss, schist, marble, phyllite).
2. Showing some maps of Gondwana coal belt of Bankura dist.

### MODULE- III

(Theoretical)

1. Rock cycle.
2. Concept about minerals and characteristics: its uses
3. Mineral's hardness with special reference to Moho's hardness scale.
4. Some megascopic mineral identifications- such as Quartz, feldspar, mica, galena, hematite, magnetite, hauxite.

(Practical)

1. Showing these minerals with their basic characteristics.

N.B.- a practical laboratory copy should be prepared by the students who will be join this add on course.

**GOBINDA PRASAD MAHAVIDYALAYA**  
AMARKANAN, BANKURA,

**CLASS SCHEDULE FOR CERTIFICATE COURSE OF THE**  
**ACADEMIC YEAR- 2022-2023**

**DEPARTMENT OF GEOGRAPHY**

*COURSE TITLE- 'IDENTIFICATION OF ROCKS & MINERALS WITH SPECIAL REFERENCE TO GEOLOGY & PHYSIOGRAPHY OF BANKURA DISTRICT.'*

<b>APRIL, 2023</b>				
01.	25/04/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
02.	28/04/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
<b>MAY, 2023</b>				
03.	02/05/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Practical
04.	12/05/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
05.	16/05/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Practical
06.	19/05/2023, Friday	11:30 am- 12:30 pm	B.T.	Practical
07.	23/05/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
08.	26/05/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Practical
09.	30/05/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
<b>JUNE, 2023</b>				
10.	02/06/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
11.	06/06/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
12.	09/06/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
13.	13/06/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
14.	16/06/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical

15.	23/06/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
16.	27/06/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Practical
17.	30/06/2023, Friday	11:30 am- 12:30 pm	B.T.	Practical
<b>JULY, 2023</b>				
18.	04/07/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
19.	07/07/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
20.	11/07/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
21.	14/07/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
22.	18/07/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Practical
23.	21/07/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Practical
24.	25/07/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
25.	28/07/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
<b>AUGUST, 2023</b>				
26.	01/08/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
27.	04/08/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
28.	08/08/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Practical
29.	11/08/2023, Friday	11:30 am- 12:30 pm	B.T.	Practical
30.	18/08/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
31.	22/08/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
32.	25/08/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
33.	29/08/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
<b>SEPTEMBER, 2023</b>				



34.	01/09/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Practical
35.	08/09/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
36.	12/09/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Practical
37.	15/09/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
38.	19/09/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Practical
39.	22/09/2023, Friday	11:30 am- 12:30 pm	B.T.	Practical
40.	26/09/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
41.	29/09/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Practical
<b>OCTOBER, 2023</b>				
41.	03/10/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Practical
42.	06/10/2023, Friday	12:30 Pm- 01:30 pm	P.S.	Theoretical
43.	10/10/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
44.	13/10/2023, Friday	11:30 am- 12:30 pm	B.T.	Theoretical
45.	17/10/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Theoretical
46.	31/10/2023, Tuesday	01:30 pm- 02:30 pm	P.S.	Theoretical
<b>NOVEMBER, 2023</b>				
47.	03/11/2023, Friday	11:30 am- 12:30 pm	S.S.M.	Theoretical
48.	07/11/2023, Tuesday	11:30 am- 12:30 pm	M.G.	Practical

\*B.T.- Biswajit Talukdar

\*\*P.S.- Pavel Sarkar

\*\*\*M.G.- Moumita Garai

\*\*\*\*S.S.M.- Sumit Sen Modak

- Total Theoretical Classes- 32
- Total Practical Classes- 16
- Total Classes of the Certificate Course- 48