



# महाराष्ट्र शासन

## शालेय शिक्षण व क्रीडा विभाग

## राज्य शैक्षणिक संशोधन व प्रशिक्षण परिषद, महाराष्ट्र

७०८ सदाशिव पेठ, कुमठेकर मार्ग, पुणे ४११०३०

संपर्क क्रमांक (०२०) २४४७ ६९३८

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# **Question Bank**

Standard: 12th

Subject :- Geology

## **March 2021**

# सूचना

- फक्त विद्यार्थ्यांना प्रश्नप्रकारांचा सराव करून देण्यासाठीच
- २. सदर प्रश्नसंचातील प्रश्न बोर्डाच्या प्रश्नपत्रिकेत येतीलच असे नाही याची नोंद घ्यावी.

## STD 12 -2021

## **QUESTION BANK**

(<u>Note-</u> Students must practice answering the Questions given in the Exercise, at the end of every Chapter, in the Text- Book)

#### **CHAPTER-1**

#### THE DYNAMIC EARTH

#### **SECTION-B**

Attempt any EIGHT of the following questions:-

(2 Marks each.)

- 1. Write a short note on core of the Earth.
- 2. Distinguish between continental crust and oceanic crust (2 points).
- 3. What is lithosphere?
- 4. What is asthenosphere?
- 5. Enlist two evidences that support continental drift theory.
- 6. Explain divergent plate boundaries.
- 7. Describe convergent plate boundaries.
- 8. What are Transform fault boundaries?
- 9. How are fold mountains formed? Give an example.
- 10. Himalayas & Sahayadris are two different types of mountains. Give reasons.

#### **SECTION-C**

Attempt any EIGHT of the following questions:-

- 1. What are plates? Explain convergent plate boundaries.
- 2. Describe the term 'plates'. Explain Transform fault boundaries giving an example.
- 3. What is a plate? Explain divergent plate boundaries.
- 4. Enumerate the evidences used in support of continental drift hypothesis.
- 5. Name and give examples of different classes of plate boundaries.
- 6. Describe divergent plate boundaries with a suitable example.
- 7. Write a note on transform fault boundaries giving an example.
- 8. Explain the formation of volcanic mountains. Give an example.
- 9. Name and give examples of any three types of mountains.
- 10. What are fault-block mountains? Give a suitable example.

## **PETROLOGY**

Q1.Select and write the correct answer :-	(1 Mark each)
1. Granite and rhyolite have the same	
a) texture.	
b) cooling history.	
c) composition.	
d) structural deformation.	
2. Rocks rich in mafic minerals are called	
a) Leucocratic.	
b) Melanocratic.	
c) Mesocratic.	
d) Hyper-melanocratic.	
3. Essentially all sedimentary deposits show evidence of	
a) fossils.	
b) stratification.	
c) ripple marks.	
d) mud cracks.	
4. The rock formed by thermal metamorphism of Sandstone is	
a) Slate	
b) Quartzite	
c) Marble	
d) Gneiss.	
5. a) Examples of discordant igneous bodies are sill and lopolith .	
b) Examples of discordant igneous bodies are sill and batholith	
c) Examples of discordant igneous bodies are batholith and dyke.	
d) Examples of discordant igneous bodies are lopolith and dyke	

b) Schist

c) Phyllite

d) Gneiss

6. A) Leucocratic	i) Dunite
B) Mesocratic	ii) Gabbro
C) Melanocratic	iii) Syenite
D) Hyper-melanocratic	iv) Granite
a) A—iv, B—iii, C—ii, D—i.	
b) A—iii, B—ii, C—i, D—iv.	
c) A—ii, B—i, C—iv, D—iii.	
d) A—i, B—iv, C—iii, D—ii.	
7. a) Pegmatite is an igneous, plutonic, acidic rock.	
b) Pegmatite is an igneous, hypabyssal, acidic rock.	
c) Pegmatite is an igneous, plutonic, basic rock.	
d) Pegmatite is an igneous, hypabyssal, basic rock.	
8. a) Breccia is a residual deposit.	
b) Breccia is an argillite rock.	
c) Breccia is an arenite rock.	
d) Breccia is a rudite rock.	
9. The rock which is suitable for foundation is	
a) Marble	
b) Limestone.	
c) Slate	
d) Quartzite.	
10) The metamorphic rock developed as a result of the high	hest intensity of
metamorphism is	
a) Shala	

- Q.2. Answer the following questions:- (1 Mark each)
- 1) What is a rock?
- 2) What is meant by the term 'aphanitic'?
- 3) How are essential minerals important in igneous rocks?
- 4) Where do the hypabyssal rocks consolidate?
- 5) What is the shape of a laccolith?
- 6) Which class of rocks consists of sand-sized grains?
- 7) Name the types of metamorphism.
- 8) Which rocks are appropriate for roofing purposes?

#### **SECTION-B**

Attempt any EIGHT of the following questions:-

(2 Marks each)

- 1. Name the agents of metamorphism.
- 2. Which special property of rocks is a prerequisite for use in flooring? Give an example.
- 3. How is marble formed?
- 4. What is clastic texture?
- 5. Shale belongs to which class of sedimentary rocks?
- 6. What are rudites in sedimentary rocks?
- 7. Write a note on phacolith.
- 8. How is ropy structure formed?
- 9. What is meant by pillow structure?
- 10. What are secondary minerals? Give examples.
- 11. What are extrusive igneous bodies? Give an example.
- 12. How does vesicular structure result in igneous rocks?

## **SECTION-C**

Attempt any EIGHT of the following questions:-

- 1. Give the classification of igneous rocks based on SiO<sub>2</sub> percentage.
- 2. What is a batholith?
- 3. Describe Sill as an intrusive igneous body.
- 4. Explain the term 'primary minerals' in igneous rocks.

- 5. How does granulose structure develop in metamorphic rocks?
- 6. What are non-clastic rocks? Give their types with one example each.
- 7. Describe ripple marks in sedimentary rocks.
- 8. How are non-transported deposits formed? Give an example.
- 9. Explain the formation of slaty cleavage in metamorphic rocks.
- 10. Describe thermal or contact metamorphism.
- 11. How is schistose structure formed?
- 12. Explain Dyke as an intrusive igneous body.

### **SECTION-D**

Attempt any THREE of the following questions:-

- 1. List the major types of igneous textures and describe them.
- 2. Classify igneous rocks based on mode of occurrence, giving one example of each class.
- 3. What are clastic rocks? Give the different classes with one example each.
- 4. Describe dynamothermal metamorphism.
- 5. Write a note on Gneissose structure.

## PALAEONTOLOGY AND STRATIGRAPHY

Q1.Select and write the correct answer:-	(1 mark each)
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- Era of Standard geological time scale which contains the most recent or modern life is the-----Era.
- a) Cenozoic b) Mesozoic c) Paleozoic d) Late Proterozoic.
- 2. Which of the following applies to the standard geologic time scale?
- a) It was developed through radioactive dating.
- b) It is based on superposition and faunal succession.
- c) It is divided into periods of equal length.
- d) It was developed in India.
- 3. A) James Hutton i) Term fossil
  - B) Steno ii) Faunal Succession.
  - C) William Smith iii) Order of superposition.
  - D) Georgius Agricola iv) Uniformitarianism.
  - a) A-iv, B-iii, C-ii, D-i.
  - b) A—i ,B—ii, C—iii ,D—iv.
  - c) A—ii, B—iii ,C—iv ,D—i.
  - d) A-iii, B-iv, C-i, D-ii.
  - 4. Dinosaurs diversified in-----period.
  - a) Paleogene b) Cretaceous c) Jurassic d)Triassic
  - 5) Gold and chromite deposits belong to-----
  - a) Dharwar Supergroup b) Vindhyan Supergroup
  - c) Cuddapah Supergroup. d) Gondwana Supergroup.
  - 6) Coal seam beds occur in-----
  - a) Dharwar Supergroup b) Vindhyan Supergroup.
  - c) Cuddapah Supergroup d) Gondwana Supergroup.

- 7) Mammals diversified in----- Era. a) Cenozoic b) Mesozoic c) Paleozoic d) Late Proterozoic. 8) Mesozoic and Cenozoic Eras are subdivided into-----periods. b) three c) five d) six a) two 9) Cuddapah Supergroup of rocks----a) exhibit abundant evidence of life b) are non -fossiliferous. c) are granitic in composition d) are composed of basalts 10) Organic walled microfossils like pollen, spores, seeds etc are studied under the branch of----a) Palynology b) Palaeozoology c) Palaeobotany d) Paleoichnology. Q2. Answer the following questions:-(1 mark each) 1. What are imprints? 2. What are trace fossils? 3. What are fossils? 4. What are index fossils? 5. Give the economic importance of Cenozoic rocks.
  - 6. Rocks of which Supergroup of Peninsular India contain diamonds?

7. What is a marker or key horizon?

8. Which lithostratigraphic Supergroup of Peninsular India is best exposed in the form of a crescent-shaped outcrop?

## **SECTION -C**

Attempt any EIGHT of the following questions:-

- 1. Enlist the prerequisites of fossilization.
- 2. Describe the process of carbonization.
- 3. What is an index fossil? Give an example.
- 4. Write a note on principle of faunal succession.

- 5. Give the economic importance of Dharwar Supergroup.
- 6. Write a note on fossils of Gondwana Supergroup.
- 7. Name the periods of Paleozoic Era.
- 8. Describe the principle of Uniformitarianism.
- 9. Describe the lithology of Deccan Volcanic Province.
- 10. What is meant by Order of Superposition?
- 11. How are fossils useful in exploration of petroleum and coal reserves?
- 12. Explain Casts and Moulds as a mode of preservation of organisms for fossilization.

#### **SECTION-D**

Attempt any THREE of the following questions:-

- 1. Describe any four uses of fossils.
- 2. Describe the Deccan Volcanic Province with reference to its age and economic importance.
- 3. What is Petrification? Give an example.
- 4. Discuss the method of Lithological correlation.
- Describe the Cuddapah Supergroup with reference to lithology and economic importance.

## STRUCTURAL GEOLOGY

C	Q1. Choose the correct alternative and write the answer:- (1 Mark each)					
	1. Cracks or fractures in the Earth's crust along which there has been slipping or displacement of rocks are called					
а	. Folds	b. Faults	c. Joints	d. Unconformit	ies	
2.	Wavy undu	lations or bend	s developed in	rocks are called	d	
a.	Joints	b. Unconformi	ities c. Fold	ls	d. Faults	
3.	A set of par	allel normal fau	ults which occu	r at regular inte	rvals gives rise to a	fault.
a.	Normal	b. Reverse	c. Step	d. Horst		
4.	Surface of e	erosion or non-	deposition that	separates two	series of beds is terr	ned as
a.	Anticline	b. Graben	c. Oblique	d. Unconformit	у	
5.	A joint whic	h is parallel to	the dip direction	n of adjacent be	eds is calledj	joint.
a.	Diagonal	b. Dip	c. Strike	d .Bedding		
6.	In a symme	trical syncline,	the two limbs -			
a.	dip towards	each other by	the same angle	e.		
b.	dip away fro	om each other	by different and	gles.		
c.	c. dip towards each other by different angles.					
d.	dip away fro	om each other	by the same ar	ngle.		
7.	7. a. A reverse fault is a result of tensional forces in which hanging wall is displaced downwards.					
	b. A reverse	e fault is a resu	It of compressi	onal forces in w	hich footwall is disp	laced upwards.
up	c. A reverse fault is a result of compressional forces in which hanging wall is displaced upwards.					
	d. A reverse fault is a result of tensional forces in which footwall is displaced downwards.					
8.	A. Bedding	joint		i. convex dow	nwards.	
	B. Angular	unconformity		ii. parallel to b	edding plane.	

C. Syncline

iii. low dip angles.

D. Thrust fault

iv. older & younger beds are not parallel.

- a. A-iii, B-i, C-ii,
- b. A-iv, B-ii, C-iii, D-i
- c. A-ii, B-iv, C-i, D-iii
- d. A-i, B-iii, C-iv, D-ii
- 9. At Gilbert Hill, Mumbai, columnar joints are well exhibited in -----rocks.
- 1. Granite
- 2. Basalt
- 3. Sandstone
- 4. Marble
- 10. The part between the crest of one fold and the trough of the adjacent fold is its ------
- 1. Crest
- 2. Trough
- 3. Axis

D-iv

4. Limb

#### **SECTION-C**

Attempt any EIGHT of the following questions:-

(3 Marks each)

- 1. Describe and draw a diagram of an Angular unconformity.
- 2. What is a Bedding joint?
- 3. Write a note on Diagonal joints.
- 4. What is a Horst and Graben? Draw a suitable diagram.
- 5. Describe a Thrust fault with a neat diagram.
- 6. How is movement along the fault plane measured? Explain.
- 7. Describe the different parts of a fault.
- 8. What are Strike slip faults?
- 9. Write a note on an Anticline and draw a labeled diagram.
- 10. What are Symmetrical folds?
- 11. Enlist and describe parts of a fold.
- 12. Describe a Syncline.

#### **SECTION-D**

Attempt any THREE of the following questions:-

- 1. Describe Disconformity and Nonconformity, giving diagrams of each.
- 2. Explain Columnar joints and give an example.

- 3. What are Normal faults and Reverse faults? Draw diagrams for both.
- 4. Write a note on Asymmetrical folds, giving their types with a diagram.
- 5. What is meant by Strike and Dip of beds and name the tool used to measure it?

#### **ECONOMIC MINERALS AND ROCKS**

#### **SECTION- A**

(1 Mark each)

d) Galena.

- 1.a) Manganese ore minerals are Pyrolusite and Magnetite.
  - b) Manganese ore minerals are Psilomelane and Haematite.
  - c) Manganese ore minerals are Psilomelane and Magnetite.
  - d) Manganese ore minerals are Pyrolusite and Psilomelane.
- 2.a) The important ores of Copper are Chalcopyrite, Malachite, Cuprite and Native copper.
  - b) The important ores of Copper are Chalcopyrite, Malachite, Cuprite and Sphalerite.
  - c) The important ores of Copper are Chalcopyrite, Malachite, Cuprite and Galena.
  - d) The important ores of Copper are Chalcopyrite, Malachite, ,Cuprite and Monazite.
  - 3. A) Kyanite i)  $Al_2(Si_2O_5)OH_4$ 
    - B) Bauxite ii) Al<sub>2</sub>SiO<sub>5</sub>
    - C) Kaolin iii) KAlSi<sub>3</sub>O<sub>8</sub>
    - D) Orthoclase iv) Al<sub>2</sub>O<sub>3</sub>.2H<sub>2</sub>O.
    - a) A-iv, B-iii, C-ii, D-i.
    - b) A-iii, B-i, C-iv, D-ii.
    - c) A-ii, B-iv, C-i, D-iii.
    - d) A-i, B-ii, C-iii, D-iv
    - 4. Which mineral is known as 'Abhraka' in ayurveda?

b) Haematite.

- 5. The zinc ore mineral is-----
- a) Sphalerite. b) Monazite. c) Zircon. d) Cinnabar.

c) Mica.

- 6) Which of the following is NOT a mineral in the true geological sense?
- a) Petroleum.

a) Malachite.

- b) Quartz.
- c) Bauxite.
- d) Mica.

Ši	b) abrasive an	d gemstone.			
<u>.</u>	c) raw material in ceramic and electrical industries.				
, ,	d) raw material	in refractory and med	icine industries.		
	8) Cherry red s	treak is a diagnostic te	est of—		
3	a) Galena				
i	b) Magnetite				
	c) Haematite.				
	d) Chalcopyrite	<b>)</b> .			
	9) Which of the	e following mineral exh	ibits bright green colou	r?	
	a) Malachite.				
_	b) Galena.				
2	c) Pyrolusite.				
7	d) Haematite.				
	10) The chemic	al composition of Mag	netite is		
1	a) Fe <sub>2</sub> O <sub>3</sub>	b) Fe <sub>3</sub> O <sub>4</sub>	c) MnO <sub>2</sub>	d) MnO <sub>2</sub> .H <sub>2</sub> O	
	Q2.Answer the	following questions:-			(1 Mark each)
í -	1 .What is tend	or of ore?			
5	2. What is gang	gue?			
סינו, סנו, בסנו, בבנו, ואווי בסנו, וארני, סררי, וארני, סררי	3. What are inc	dustrial minerals?			
	4. Give the nar	ne of the hardest mine	ral used as an abrasiv	е.	
<u>n</u>	5. Which is the	best variety of 'abhrak	ka' employed in medici	nal preparation	s?
	6. Give the nar	ne of the best variety o	of coal.		
	7. Why is gyps	um added to raw mate	rials of Portland cemer	nt?	
	8. What is mea	int by CBM?			
ğ					

7) Garnet is used as -----

a) source of thorium and rare Earths.

#### **SECTION-B**

Attempt any EIGHT of the following questions:-

- 1. Give the classification of natural resources of economic value with two examples.
- 2. Name the lead ore? Give its chemical composition with physical properties.
- 3. Give the name of aluminium ore and its chemical composition. How does it occur?
- 4. What are unconventional petroleum resources? Give examples.
- 5. Give the specifications of limestone deposits which are suitable for manufacture of cement.
- 6. Which is the important source of thorium and rare Earth? Describe its physical properties.
- 7. Write a note on uses of ceramics.
- 8. Enlist raw materials used in refractory industry . Give the chemical composition of any two raw materials.
- 9. Name the Maharasas and give the chemical composition of any two Maharasas.
- 10. Write a note on Uparasas.
- 11. Describe Sadharanarasa with its chemical composition.
- 12. Which industries are located near the market. Why?

## **HYDROGEOLOGY**

Q1. Choose the correct alternative and write the answer:-	(1 Mark each)			
1. The main source of groundwater, which originates in the atmosphere is				
a) Volcanic water b) Magmatic water c) Meteoric water d) Artesian water				
2. The zone between the ground surface and the top of capillary fringe is called				
a) saturated zone b) zone of aeration c) supersaturated zone d) 'a	o' zone			
3. Porosity is the ratio of				
a) volume of solid soil to the total volume of the rock forming the soil material.				
b) volume of void space to the total volume of the soil or organic material in the a	quifer.			
c) volume of void space to the total volume of the rock or Earth material.				
d) volume of solid space to the total density of the rock or Earth material				
4. The capacity of a water-bearing formation to transmit water is called				
a) Porosity b) Hydraulic constant c) Permeability d) Aquiclude				
5. An unconfined aquifer is also called a				
a) Phreatic aquifer b) Artesian aquifer c) Compact aquifer d) Perched ac	quifer			
6 is not a method of rooftop rainwater harvesting.				
a) Recharge pit b) Recharge trench c) Recharge tubewell d) Re	echarge gabion			
7. The rock which can store groundwater is said to be				
a) permeable b) porous c) Granitic d) porphyritic				
8. Water entrapped in cavities of sedimentary rocks iswater				
a) meteoric b) magmatic c) connate d) juvenile				
SECTION- C				
Attempt any EIGHT of the following questions:-	(3 Marks each)			
1. Write a note on the three sources of water.				
2. Explain with examples the terms aquiclude and aquitard.				
3. What is an aquifer? Write a note on Unconfined aquifer.				

- 4. Describe the Zone of aeration.
- 5. What is an aquifer? Write a note on Confined aquifer.
- 6. What is meant by the Zone of saturation.
- 7. What is meant by permeability of a rock?
- 8. What is an aquifer? Write a note on Perched aquifer.
- 9. What is porosity of a rock? Give a suitable example.
- 10. Write notes on aquifer and aquifuge.

### **SECTION-D**

Attempt any THREE of the following questions:-

- 1. Write a note on the vertical distribution of groundwater.
- 2. Describe the hydrological properties of rocks.
- 3. Give a brief description of Confined aquifer and Unconfined aquifer.
- 4. Describe Perched aquifer and Confined aquifer.
- 5. Describe Perched aquifer and Unconfined aquifer.

## **GEOHAZARDS**

Q1. Choose the correct alternative and write the answer:- (1 Mark each				
1. Downslope movement of rock debris in response to gravitational stresses is called				
a) faulting b) slip c) thrusting d) lan	ndslide			
2. Debris avalanche is a				
a) Very rapid to extremely rapid debris flow	b) Slow to extremely slow debris flow			
c) Very rapid to slow debris flow	d) Very rapid to extremely rapid rock fall			
3. The most beautiful, but deadliest volcanoes a	arevolcanoes.			
a) Composite b) Shield c) Fissure	d) Dome			
4. For a quick estimation of the distance of the	epicenter from the seismic station,			
seismologists multiply the S minus P (S-P) tir	me by a factor of			
a) 7km/s b) 8km/s c) 7km/hr d) 8km	n/hr			
5. The scale most commonly used to measure to	the intensity of an earthquake is			
a) Modified Mercalli scale b) Richter scale c) Cl	a) Modified Mercalli scale b) Richter scale c) Clinometer compass d) None of the above			
6. In Richter scale, the of the largest way	e produced by an earthquake is corrected for			
distance and assigned a value on an open-e	ended logarithmic scale.			
a) wavelength b) amplitude	c) velocity d) magnitude			
7. The elastic rebound theory of H.H Reid expla	ains			
a) The origin of earthquake				
b) The origin of body waves				
c) The distribution of earthquakes				
d) Rheology of material				
8. Imaginary lines joining points of same earthquake intensity are called				
a) Isoquake lines b) Isoseismal lines c) Isot	tropic lines d) Richter lines			

9.	9. The record of zig-zag lines representing seismic waves generated by an earthquake is called					
a)	Seismograph	b) Seismogram	c) Seismic train	d) Velocity graph		
10	. Shield volcanoes	are				
i	) the largest of the t	hree types	ii) gently slopi	ng		
iii) built up of highly viscous granitic lavas		iv) eruptions a	are generally non-explosive			
á	a) All statements are	e true	b) statements	s i, ii and iv are true		
,	c) Statements ii iii a	and iv are true	d) statements	s i iii and iv are true		

#### **SECTION-B**

Attempt any EIGHT of the following questions:-

(2 Marks each.)

- 1. What are tsunamis?
- 2. Earthquakes do not occur deeper than 700kms. Explain
- 3. S waves arrive after P waves at the recording station. Why?
- 4. Why are the 'L' waves more disastrous of all the seismic waves?
- 5. How does an Earthquake damage mountainous regions?
- 6. The Trans- Mediterranean belt runs through which region?
- 7. Describe the earthquake belt along which most of the deep focus earthquakes occur.
- 8. What is meant by magnitude of an earthquake?
- 9. What are body waves?
- 10. Which are the different types of landslides? Explain.
- 11. What are the characteristic features of a Composite volcano?
- 12. What are Lahars?

#### SECTION- D

Attempt any THREE of the following questions:-

- 1. Explain the terminology used in Seismology.
- 2. Explain the terms intensity and magnitude of an earthquake.
- 3. What are volcanoes? Give a brief description of its types.
- 4. What are landslides? What is the impact of geological structures on landslides?
- 5. Explain a) Prediction of volcanic activity b) Prevention and mitigation of volcanic hazard.

## **REMOTE SENSING AND GIS**

Q1. Choose the correct alternative and write the answer :- (1 mark each				
National Remote Sensing Centre is located at				
a. Mumbai b. Kolkata c.	Hyderabad	d. Chennai		
2. Satellites carry a source of elect	tromagnetic energy	in the form of		
a. IRS b. RADAR c. MRI	d. RISAT			
3. Visible and thermal range data i	s recorded by sens	ors called		
a. MSS b. LISS c.E	EME d. LIS	3		
4. Almost all remote sensing satell	ites are placed in			
a. GEO b. TCC c. UAV	d. LEO			
5. Vegetation in a standard FCC a	appears			
a. Green b. Blue c.	Infra-red d. Red	I		
6. Distance between features, leng	gth of perimeter, are	ea of a feature etc are	e GIS generic	
questions related to				
a. Neighbourhood b. Trend a	analysis c. Mea	asurement d. Lo	cation	
7. The abbreviation GIS stands for	·			
a. Geological Information System	b. Ge	ographic Information	System	
c. Geomorphological Information	System d. Ge	ophysical Information	System	
8. Element of Image interpretation	associated with re	lative lightness of col	lor of	
objects in imageries is				
a. Tone b. Shape c.	Pattern d. Ass	ociation		
9. Element of Image interpretation which is scale-dependent is				
a Shano h Sizo	c Pattern	d Tone		

- 10. The distinct range of wavelengths in which data is collected are called -----
  - a. Wavelengths
- b. MSS
- c. Bands
- d. PAN

Q2. Answer the following questions:-

(1 mark each)

- 1. Name the planned Satellite which carries Atmospheric Correction Sensor (ACS).
- 2. From which portal can digital data be downloaded?
- 3. A simple camera equipped with a flash for illumination is an example of which type of Remote Sensing?
- 4. Name the Orbit in which almost all Remote Sensing satellites are placed.
- 5. What is an Imagery with a single band image called?
- 6. A simple camera without a flash is an example of which type of Remote Sensing?
- 7. Name the Satellite which has sensors that can scan the Earth at a resolution of less than 1mm.
- 8. The images we see in Google Earth or Google Maps are examples of which type of Satellite imagery data?

#### SECTION - B

Answer any EIGHT of following questions :-

- Q3. Explain the term 'Resolution' of Satellite imagery?
- Q4. Which 'Band' has been discontinued in many of the IRS satellites? Why?
- Q5. What is meant by 'Tone' as an element of Image Interpretation?
- Q6. What are Aerial Photographs?
- Q7. What are the abilities of a GIS?
- Q8. List any two applications of Remote Sensing and GIS.
- Q9. What is meant by the term 'Remote Sensing'?
- Q10. What is 'active' remote sensing?
- Q11. Name the two organizations in Maharashtra which have incorporated Remote sensing data in a GIS.
- Q12. What are 'bands' in Remote sensing satellite data?