Test Booklet Code & Serial No.

प्रश्नपत्रिका कोड व क्रमांक

Paper-III EARTH, ATMOSPHERIC, OCEAN & PLANETARY SCIENCE

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Time Allowed : 2½ Hour	s]		[M	[axin	num :	Mar:	ks:	150
Number of Pages in this Bo	ooklet : 20	Number of 0	Questi	ons i	n this	Boo	klet	: 75
Instructions for the Ca Write your Seat No. and OMR Shee on the top of this page. This paper consists of 75 objective ty will carry two marks. All questions of covering entire syllabus (including al At the commencement of examina will be given to the student. In the requested to open the booklet and follows: (i) To have access to the Que paper seal on the edge of the a booklet without sticker-s (ii) Tally the number of pages in the booklet with the in cover page. Faulty bookle questions or questions r order or any other disc accepted and correct boo from the invigilator withit Afterwards, neither the replaced nor any extra tim may please be noted. (iii) After this verification is ove should be entered on this T Each question has four alternative (C) and (D). You have to darken the the correct response against each i Example: where (C) is the correct	per questions. Each question Paper-III will be compulsory, ll electives, without options). At the question booklet he first 5 minutes, you are compulsorily examine it as estion Booklet, tear off the is cover page. Do not accept heal or open booklet, as and number of questions aformation printed on the est due to missing pages/repeated or not in serial crepancy should not be oklet should be obtained in the period of 5 minutes. Question Booklet will be he will be given. The same her, the OMR Sheet Number Pest Booklet. Tesponses marked (A), (B), circle as indicated below on item.	परिक्षार्थींनी आपला तसेच आपणांस दिव् सदर प्रश्नपत्रिकेत आहेत. या प्रश्नपित्र हे या विषयाच्या सं परीक्षा सुरू झाल्याव मिनीटांमध्ये आपण पहाल्यात. (i) प्रश्नपत्रिक सील नसः (ii) पहिल्या पृष्ठे कर्म क्रम अस सुरुवाती प्रश्नपित्र मिळणार विद्यार्थ्या (मंदी प्रश्नपित्र सेविल नसः (शं) पहिल्या पृष्ठे कर्म क्रम अस सुरुवाती प्रश्नपित्र मिळणार विद्यार्थ्या (iii) वरीलप्रम	तेल्या उत्तरप् 75 बहुपयं केतील सर्वे केतील सर्वे पूर्ण अभ्यास ार विद्यार्थ्याः सदर प्रश्नप् ना उघडण्याः तेली किंवा प्राचित्र केतील केवि मागवुः नाही तसेच ागे सर्व प् ार. उत्तरपिऽ A), (B), (C	ांक या पृग् त्रिकेचा ग्रं प्रश्न सो क्रमावर श् ला प्रश्नप त्रिका उघ साठी प्रश्न साठी प्रश्न साठी प्रश्न स्वाची विळ्ही वा विळ्ही वा विळ्ही वा विः अधिया गंब अधिया गंब अधिया गंब अधिया गंब	ष्ठावरील व क्रमांक त्या आहेत. प्र डविणे अग् आधारित अ गित्रका दिल म्यां प्रश् प्रमाणे प्रस् प्रमाणे प्रस् प्रमाणे प्रस् प्रमाणे प्रस्	गरच्या को ग्खाली वि ग्लेक प्रभ नेवार्य आ गाहेत गी जाईल लेल बाबी नेपित्रको नेपित्रको संख्या पर ली सदो गला परव प्रश्नप ज्यार नाह नेतरच चार विक	लहावा. श्नास दो श्नास दो श्नास दो सुरुवार्त अवश्य व से सील उ सिवकार ज्वी एकू प्राचा चृ ष प्रश्नप त देऊन प्रिका ब ही याची	न गुण वे प्रश्न ने प्रश्न चिया 5 तपासून घडावे. हू नये. ग पृष्ठे गहावी. (कीचा व्रिका दुसरी ग्रह्मचा म्हप्या
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7. Rough Work is to be done at the en		इतर ठ्रिकाणी लिहीले						
any mark on any part of the OMR allotted for the relevant entries, identity, or use abusive language means, you will render yourself lie. You have to return original OMR SI	aber, Phone Number or put Sheet, except for the space which may disclose your or employ any other unfair able to disqualification.	6. आत दिलेल्या सूचन 7. प्रश्नपत्रिकेच्या शेव 8. जर आपण ओ.एम. नाव, आसन क्रमांव केलेली आढळून अ अवलंब केल्यास रि	ा काळजीपू टी जोडलेल आर. वर नग् 5, फोन नंब ल्यास अथव	र्वक वाच या कोऱ्या मूद केलेर र किंवा या असभ्य	ाव्यातः । पानावरच ल्या ठिकाण ओळख पटे । भाषेचा वा	गा व्यतिरी प्ल अशी पर किंवा	ोक्त इतर कोणतीह । इतर गैरग	कोठेही ही खूण
end of the examination compulsorily you outside the Examination Hall. to carry the Test Booklet and dupli conclusion of examination.	y and must not carry it with You are, however, allowed	9. परीक्षा संपल्यानंतर परत करणे आवश्यव द्वितीय प्रत आपल्य	विद्यार्थ्याने म 5 आहे. तथा	नूळ ओ.ए पी, प्रश्नप	म-आर- उत्त त्रिका व अ	तरपत्रिका गे.एम.आ	ा पर्यवेक्ष र. उत्तरपी	

- 10.
- Use only Blue/Black Ball point pen.
 Use of any calculator or log table, etc., is prohibited.
 There is no negative marking for incorrect answers. 11.
- 12.
- 10.
- द्वितीय प्रत आपल्याबरोबर नेण्यास विद्यार्थ्यांना परवानगी आहे. फक्त निळ्या किंवा काळ्या बॉल पेनचाच वापर करावा. कॅलक्युलेटर किंवा लॉग टेबल वापरण्यास परवानगी नाही. चुकीच्या उत्तरासाठी गुण कपात केली जाणार नाही. 11.
- 12.

Earth, Atmospheric, Ocean and Planetary Science Paper III

Time Allowed: 2½ Hours] [Maximum Marks: 150

Note: This paper contains Seventy Five (75) multiple choice questions, each question carrying Two (2) marks. Attempt All questions.

- 1. Greenhouse effect is related to:
 - (A) absorption of terrestrial radiation by atmospheric constituents
 - (B) absorption of solar radiation by atmospheric constituents
 - (C) albedo of earth's surface
 - (D) Reflection of solar radiation by clouds
- 2. Cloud made solely of liquid water droplets are termed as:
 - (A) Cold cloud
 - (B) Ice cloud
 - (C) Warm cloud
 - (D) Mixed phase cloud

- Which of the following is closely related to the description of Atlantic and Pacific types.
 - (A) Abyssal plains
 - (B) Continental margins
 - (C) Deep sea trenches
 - (D) None of the above
- 4. Which of the following is NOT connected in any way with submarine, hot spring vents?
 - (A) sediments rich in metallic sulfides
 - (B) ecological communities living without photosynthesis
 - (C) black smokers on a mid-ocean ridge
 - (D) thick turbidite deposits of the continental rise

- 5. Kuroko type Zn-Pb-Cu deposits are the examples of :
 - (A) Volcanic hosted massive sulphide deposits
 - (B) Skarn deposits
 - (C) Magmatic concentration deposits
 - (D) Pegmatite deposits
- 6. Chromite deposits of Himalaya are associated with:
 - (A) Ophiolite complexes
 - (B) Stratiform complexes
 - (C) Duke Island-type complexes
 - (D) Intrusive granites
- 7. Bailadila iron ore deposit is situated in the state of :
 - (A) Bihar
 - (B) Maharashtra
 - (C) Chhattisgarh
 - (D) Jharkhand

- 8. Glaucophane-Lawsonite association is characteristic of :
 - (A) Blueschist facies
 - (B) Amphibolite facies
 - (C) Granulite facies
 - (D) Eclogite facies
- 9. Two pyroxene granulites in which garnet is *not* present indicate :
 - (A) Low pressure granulite metamorphism
 - (B) High pressure granulite metamorphism
 - (C) Amphibolite facies metamorphism
 - (D) High temperature contact metamorphism
- 10. Ocean Island Basalts (OIB) are derived from source.
 - (A) Primitive mantle
 - (B) Subcontinental mantle
 - (C) Depleted mantle
 - (D) Lower crust

11.	Which one of the following is the youngest "Continental Flood Basalt	15.	The demise of the trilobites is				
	Province" ?		connected to the arrival of the jawed				
	(A) Deccan Traps		fishes called as				
	(B) Columbia River Province(C) Siberian Traps		(A) Tall Tube				
12.	Cassiterite is the major one mineral of : (A) Tungsten		(C) Giant Crabs				
			(D) Placoderms				
	(B) Tin						
	(C) Titanium		The surface features of are				
	(D) Tantalum		those of three-dimension circular to				
13.	Akermanite is an example of:		elliptical draping humps and swals				
	(A) Cyclosilicate						
	(B) Tectosilicate		of about 01 meter in length $10_{\rm s}$ cm				
	(C) Sorosilicate		in heights.				
	(D) Nesosilicate		(A) Simple cross stratification				
14.	Homo sapiens are known as: (A) Prognathous						
			(B) Trough cross stratification				
	(B) Pleurognethous		(C) Hummocky cross stratification				
	(C) Aptopathus						
	(D) Orthognothous		(D) Ripple drift stratification				

- 17. The group which does *not* show a *correct* sequence of the geologic column is:
 - (A) Palaeocene, Eocene, Oligocene, Miocene
 - (B) Devonian, Ordovician, Silurian, Permian
 - (C) Palaeozoic, Mesozoic, cenozoic
 - (D) Triassic, Jurassic, cretaceous
- 18. Which one of the following is the largest felsic volcanic province of India?
 - (A) Malani Suite
 - $(B) \ \ Deccan \ traps$
 - (C) Rajmahal Traps
 - (D) Sylhet Traps
- 19. Undersaturated alkaline lavas with abundant felspathoids sanidine or anorthoclase, aegine or aegirine augite is termed as......
 - (A) Syenite
 - (B) Phonolite
 - (C) Keratophyne
 - (D) Limburgite

- 20. In AFM diagram, the suffix 'A' stands for :
 - $(A) \ Al_2O_3$
 - (B) $FeO + Fe_2O_3$
 - (C) MgO
 - (D) $Na_2O + K_2O$
- 21. Metaluminous granites that are typically magnetite bearing and inferred to be produced by differentiation of andesite or partial melting of an igneous source are designed as:
 - (A) M-type granites
 - (B) A-type granites
 - (C) I-type granites
 - (D) S-type granites

- 22. Elements that form ions with higher charge than the +2 found for the Mg⁺² Fe⁺² and Ca⁺² present in the octahedral sites in mafic and ultramafic rock forming minerals and are larger in size than the tetrahedral Si⁴⁺ and Al³⁺ sites in silicate minerals are termed as:
 - (A) high field strength elements
 - (B) Large ion lithophile elements
 - (C) Transition metals
 - (D) Heavy Rane Earth elements
- 23. Which of the following is *not* true for reunion and kilanea volcanoes
 - (A) Reunion volcano and Kilanea volcano are indicative of mantle plumes
 - (B) Both are located on respective mid-oceanic ridges
 - (C) Both are active volcanoes
 - (D) Both have basic magnetism associated with them

- 24. Which one of the following is the oldest thrust of Himalaya?
 - (A) Main Boundary Thrust
 - (B) Main Central Thrust
 - (C) Himalayan Frontal Thrust
 - (D) Main Boundary Fault
- 25. Larger parallel shortening during folding results in :
 - (A) Convolute folds
 - (B) Buckling
 - (C) Fracturing
 - (D) Flow folding
- 26. Hercynian Orogeny has taken place during the late:
 - (A) Carboniferous
 - (B) Cambrian
 - (C) Devonian
 - (D) Precambrian

		•	
27.	are the areas of	30.	Physa
	deposition within a meandering		(A) Ga
	stream channel producing ridge-		(B) Ce (C) Ec
	and-swale topography at the surface.		(D) Ar
	(A) Creuasse-splay	31.	surface
	(B) Levees		sedime planes
	(C) Point bar		(A) Cr (B) for
	(D) Alluvial fans		(C) No (D) An
28.	A normal curve in sediment size	32.	` ′
	analysis is defined in term of the		which are/is
	Mean and the		are/is answer
	(A) Mode		(A) Lo
	(B) Skewness		co: sta
		İ	200

(C) Standard deviation

29. Trilobites are the index fossils of:

(D) Kurtosis

(A) Palaeozoic

(B) Mesozoic

(C) Cenozoic

(D) Precambrian

- 30. Physa belongs to class:
 - (A) Gastropoda
 - (B) Cephalopoda
 - (C) Echinoidea
 - (D) Articulata
- 31. What is the name of an erosional surface that separates two sets of sedimentary layers with non-parallel planes?
 - (A) Cross-bedding
 - (B) formation
 - (C) Non-conformity
 - (D) Angular unconformity
- 32. In Bouguer gravity anomaly map, which of the following statements are/is *correct*. Select appropriate answer:
 - (A) Long wavelength anomalies suggest deep level density contrast and help in understanding large-scale or regional structures of the Earth's crust
 - (B) Short wavelength anomalies are due to density contrast at shallower levels and are useful in understanding shallower structures and in exploration.
 - (C) Geological knowledge of the area is essential in understanding the residual anomalies in the given area.
 - (D) All of the above are correct.

- 33. In gravity surveys the readings are function of :
 - (A) Rigidity of the rocks
 - (B) Bulk's modulus of the rocks
 - (C) Density and mass of the rocks
 - (D) Hardness and specific gravity of rocks
- 34. Which of the following is a *correct* statement:
 - (A) Seismic energy attenuation is directly proportional to square of the distance from focus.
 - (B) Seismic energy attenuation is inversely proportional to square root of the distance from focus.
 - (C) Seismic energy attenuation is directly proportional to square root of the distance from focus.
 - (D) Seismic energy attenuation is directly proportional to distance from focus.

- 35. The current geomagnetic polarity is named as:
 - (A) Matuyama Normal
 - (B) Gauss Normal
 - (C) Gilbert Reversal
 - (D) Brunhes Normal
- 36. One Darcy equals the unit:
 - (A) $0.98 \times 10^{-12} \text{ m}^2$
 - (B) $2.3 \times 10^{-15} \text{ m}^2$
 - (C) $5 \times 10^2 \text{ m}$
 - (D) $3 \times 10^{-3} \text{ km}$
- 37. The variety of coal, that is brown in colour, with roughly 70% carbon and considerable moisture and volatile content is known as:
 - (A) Lignite
 - (B) Peat
 - (C) Subbituminous
 - (D) Anthracite

- 38. The water occurring in a rock formation entrapped during the deposition of the rock is called:
 - (A) Meteoric water
 - (B) Juvenile water
 - (C) Connate water
 - (D) Pellicular water
- 39. The potential of the electrosphere (ionosphere) is positive with respect the Earth and its magnitude is about:
 - (A) 1000 kV
 - (B) 2000 kV
 - (C) 300 kV
 - (D) 10 kV

- 40. An electrified region of the upper atmosphere where fairly large concentrations of ions and free electrons exist is:
 - (A) Troposphere
 - (B) Stratosphere
 - (C) Ionosphere
 - (D) Bio-sphere
- 41. Earth's average albedo is about:
 - (A) 50%
 - (B) 70%
 - (C) 90%
 - (D) 30%
- 42. In atmospheric models, space-and time-dependent processes are described by:
 - (A) Ordinary differential equations
 - (B) Empirical equations
 - (C) Statistical equations
 - (D) Partial differential equations

- 43. A low pressure system is said to be a cyclonic storm if the wind speed exceeds:
 - (A) 17 knots
 - (B) 24 knots
 - (C) 27 knots
 - (D) 33 knots
- 44. If the wavelength of electromagnetic radiation emitted by a body is 9.6 μm, the temperature of the body in Kelvin will be :
 - (A) 301.77
 - (B) 264.45
 - (C) 560.48
 - (D) 320.7

- 45. The Clausius-Clapeyron equation explains the Variation of :
 - (A) Equilibrium vapor pressure of water with its specific volume.
 - (B) Specific volume of water with temperature
 - (C) Latent heat of phase change of water with temperature
 - (D) Equilibrium vapor pressure of water with temperature
- 46. Which among the following is *correct* for a tropical cyclone?
 - (A) Horizontal pressure gradient is larger than vertical pressure gradient
 - (B) Vertical pressure gradient is larger than horizontal pressure gradient
 - (C) Both are nearly equal
 - (D) Vertical pressure gradient is zero

- 47. The vertical component of relative vorticity is given by :
 - (A) $Y = \frac{\delta u}{\delta x} + \frac{\delta v}{\delta y}$
 - (B) $Y = \frac{\delta v}{\delta x} \frac{\delta u}{\delta y}$
 - (C) $Y = \frac{\delta u}{\delta x} \frac{\delta v}{\delta y}$
 - (D) $Y = \frac{\delta^2 u}{\delta y^2} + \frac{\delta^2 v}{\delta x^2}$
- 48. In the Southern Hemisphere, an outstanding tongue of low salinity, originating from the sea surface at 50° S, extends to a depth of 1 km, is a indicator of:
 - (A) Mediterranean Water
 - (B) Antarctic Intermediate Water
 - (C) North Hemispheric Water
 - (D) Arctic Intermediate Water

- 49. Which among the following statements is *correct* for the surface layer?
 - (A) Air temperature always decreases with height
 - (B) Turbulent fluxes of energy and scalar are nearly constant with height
 - (C) Wind speed decreases with height
 - (D) Flow is laminar
- 50. An oceanic circulation driven by mechanical stirring, which transports heat, mass, freshwater and other properties in the meridional/zonal direction is called:
 - (A) Monsoon circulation
 - (B) Atmospheric circulation
 - (C) Thermohaline circulation
 - (D) Tropospheric circulation

- 51. Magnetic survey data needs to be connected for which of the following effects?
 - (A) Variation in magnetic indication due to polar wandering
 - (B) Variation in magnetic declination with reference to distance from APW curve path.
 - (C) Diurnal variation due to variation in Earth's magnetic field due to ionospheric changes resulting in variation in Earth's magnetic field intensity at its surface during course of day.
 - (D) Variation in sample depth to be normalised to NSL.
- 52. Which one of the following drainage pattern is developed over jointed and faulted rocks?
 - (A) Rectangular
 - (B) Parallel
 - (C) Centripetal
 - (D) Dendritic

- 53. The lowest zone of the atmosphere is troposphere. Above the tropopause, the stratosphere is characterized by relatively:
 - (A) stable dry little vertical motion
 - (B) stable moist strong vertical motion
 - (C) unstable dry strong vertical motion
 - (D) stable dry strong vertical motion
- 54. One of the following statements about the temperature distribution over the Earth's surface is *incorrect*.
 - (A) Temperature extremes occur over continental land masses
 - (B) The isotherms are displaced towards the equator over the oceans
 - (C) The hemispheric temperature gradient is steepest in winter
 - (D) The isotherms are displaced towards the equator on land.

55.	By thermohaline circulation the	57.	. Match the following:						
	major upwelling occurs in		Air	mass	symb	ol			
	and the downwelling		(a)	\mathbf{CP}					
	occurs in		(<i>b</i>)	CT					
			(<i>c</i>)	E					
	(A) South Atlantic, North Atlantic		(<i>d</i>)						
	(B) Gulf of Oman, Pacific		Properties						
	(C) North Pacific, North Atlantic		(<i>i</i>)	High t	tempera	ature	e low	moisture	
				conter	nt				
	(D) North Atlantic, Indian Ocean		(ii)	High t	tempera	ature and humidity			
56.	The Quaternary records have		(iii) Low temperature, low humidi						
•				remaining constant					
	indicated that the glacial to		(iv)	Moderately high temperatures,					
	interglacial transition is			high	relati	ve	and	specific	
			humidity						
	(A) Abrupt, Gradual			(a)	(<i>b</i>)	((c)	(<i>d</i>)	
	(B) Gradual, Abrupt		(A)	(iii)	(ii)	((<i>i</i>)	(iv)	
	(C) Pulsating, Smooth		(B)	(iii)	(<i>i</i>)	((ii)	(iv)	
			(C)	(<i>i</i>)	(iv)	((<i>ii</i>)	(iii)	
	(D) Slow, fast		(D)	(<i>i</i>)	(iv)	((iii)	(ii)	

- 58. The adjustment of a river's long profile to a dam is:
 - I A flattening of the profile by deltaic deposition at the head of reservoir.
 - II A flattening of the profile by erosion immediately downstream of the dam.
 - (A) I is True II is False
 - (B) I is False II is True
 - (C) Both I and II are True
 - (D) Both I and II are False
- 59. As per recent data the oldest rock in cratonic nuclei in Indian Peninsula are found in:
 - (A) Dharwar craton
 - (B) Singhbhum craton
 - (C) Boston craton
 - (D) Bundelkhand craton

- 60. What are the main differences in the granulites of south India and granulites of central India? Select the *correct* option.
 - (A) Central Indian granulites are leusoidal deformed and sheared granulites with typical Tamil Nadu Type B|F granulites association and leptynites associated with sillimanite spinel garnet association while South Indian Granulites are underplated gabbroic rocks.
 - (B) Central Indian granulite are massif type granulites.
 - (C) South Indian granulites are massif type granulites
 - (D) There is no difference in the granulite in Central and Southern India.

- 61. The change over from laminar to turbulent flow during sedimentation by water at 20°C takes place at a critical Reynolds Number of around
 - (A) 300
 - (B) 500
 - (C) 700
 - (D) 900
- 62. The statement "the flow rate through porous media is directly proportional to the head loss and inversely proportional to the length of flow path" stands for :
 - (A) Darcy's law
 - (B) Newtonian flow law
 - (C) Dewists law
 - (D) Poiseuille's law

- 63. 'Fluorosis' is the disease caused due to contamination of water by :
 - (A) Arsenic
 - (B) Fluoride
 - (C) Nitrate
 - (D) Sulphate
- 64. Which of the following is *true* statement in relation to proton precession magnetometer?
 - (A) It uses protons from radioactive material such as uranium to detect magnetic fields
 - (B) It is a vector magnetometer
 - (C) It uses proton-rich liquid such as water surrounded by magnetising coil as detector.
 - (D) It uses special proton magnets arranged perpendicular to each other.

- 65. Remote sensing techniques make
 use of the properties,
 emitted, reflected or diffracted by the
 sensed objects.
 - (A) Electric waves
 - (B) Sound waves
 - (C) Electromagnetic waves
 - (D) Wind waves
- 66. Which one of the following is *not* a sensor of Indian remote sensing (IRS) satellite?
 - (A) LISS III
 - (B) PAN
 - (C) WiFS
 - (D) TM

- 67. Read the following statements and identify the *correct* answers.
 - I: Athalweg is the line connecting points of maximum depth.
 - II : Most thalweg pass through a succession of pools in the channel bed that are separated by riffles.
 - (A) Both I and II are correct
 - (B) I is correct and II is incorrect
 - (C) I is incorrect and II is correct
 - (D) Both I and II are incorrect
- 68. What is the wavelength of visible region in the electromagnetic spectrum?
 - $(A)~0.4~-~0.7~\mu m$
 - (B) $0.7 1.0 \mu m$
 - (C) $3.0 3.5 \mu m$
 - (D) $1.0 3.0 \mu m$

- 69. In central India, which of the following is *correct* statement in relation to Vindhyan group?
 - (A) Vindhyan rocks are thickest along southern margin of Vindhyan supergroup which is a faulted contact.
 - (B) Vindhyan rocks are thickest along northern margin of the supergroup near Bundelkhand massif.
 - (C) Vindhyan rocks are thickest along center of the Vindhyan syneclise axis
 - (D) There is no variation in thickness in Vindhyan sediments.

- 70. The oldest life form recorded anywhere in world are
 - (A) Trace fossils and stromatolites

 from Vindhyan rocks of middle

 proterozoic age
 - (B) stromatolites from South

 African Greenstone belt of + 3.3

 billion year age from Barbartan

 Greenstone belt.
 - (C) Trace fossils from Karewa beds
 of Kashmir
 - (D) Stromatolites from Jhamarkotra dolomites of Aravalli Group.

- - (A) Synthetic electrical
 - (B) Synthetic neutron
 - (C) Synthetic seismic
 - (D) Synthetic density
- 72. The three main ways of measuring the electric resistivity of formation penetrated by borehole are
 - (A) S.P. log, spontaneous potential log, self potential log
 - (B) Sonic log, seremic log, acoustic log
 - (C) Gamma log, spectral gamma log, Natural gamma ray log
 - (D) Normal log, Lateral log, induction log

- 73. The *correct* order of the three stages of transformation of organic matter into hydrocarbons.
 - (A) Catagenesis diagenesis metagenesis
 - (B) diagenesis catagenesis metagenesis
 - (C) Catagenesis metagenesis diagenesis
 - (D) Diagenesis metagenesis catagenesis
- 74. In which of the following oil and gas fields is limestone the reservoir rock?
 - (A) Cambay Basin
 - (B) Bombay high
 - (C) Krishna-Godawari Basin
 - (D) Cauvery Basin
- 75. Skarn deposits are developed at the contact of :
 - (A) Granites and slates
 - (B) Gabbro and sandstone
 - (C) Granites and quartzites
 - (D) Felsic plutonic intrusives and carbonate rocks

ROUGH WORK