Reg. No. : .....

Code No. : 31035 E **Sub. Code : EMCO31/ EMCR31/EMPA31/ EMBF31/EMBE31/ FCCO31/FCCR31/ FCPA31/FCBF31/ FCBE31**

B.Com. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Commerce/Corporate Secretaryship/Professional Accounting/Banking and Finance/Banking and E-Commerce — Core

CORPORATE ACCOUNTING — I

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The difference between subscribed capital and called-up capital is called ————————

(a) paid-up capital (b) uncalled capital

(c) calls-in arrears (d) calls-in-advance

2. The amount received over and above the face value of shares is called ————————

(a) share capital (b) share premium

(c) share discount (d) profits

3. Transfer to capital redemption reserve a/c can be made from ————————

(a) general reserve (b) share premium a/c

(c) capital reserve (d) capital profit

4. Dividends can be paid only out of ————————

(a) pre-incorporation profit

(b) share premium

(c) current year's profit

(d) capital redemption reserve

5. Section 71 of the Companies Act, 2013 prohibits issue of debentures carrying

(a) differential voting rights

(b) voting rights

(c) both (a) and (b)

(d) none of the above

6. Companies act 2013 is an amendment to the companies act ————————

(a) 1947 (b) 1990

(c) 1956 (d) 1979

7. In order to compute goodwill of a firm on the basis of super profit it is necessary to know ————————

(a) average profit and normal profit

(b) average profit and actual profit

(c) actual profit and capital employed

(d) normal profit and normal rate

8. Intrinsic value of share is calculated by dividing the ———————— of the company by the number of shares.

(a) total assets (b) net assets

(c) assets (d) face value

9. Accounting standard for fixed assets ————————

(a) AS 6 (b) AS 10

(c) AS 3 (d) AS 2

10. Which accounting standard relates with the accounting for construction contract?

(a) Accounting Standard 5

(b) Accounting Standard 6

(c) Accounting Standard 7

(d) Accounting Standard 8

PART B — (5 × 5 = 25 marks)

Answer ALL questions by choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) A company forfeited 500 shares of Rs. 10 each (issued at a premium of 10%) for non payment of the first call Rs. 3 and final call Rs. 2 of these 200 shares were re-issued at a discount of 10%.

Pass necessary journal entries in the books of the company.

Or

(b) X Ltd issued 1000, 12% debentures of Rs. 100 each. Give journal entries if the debentures are

(i) Issued at par

(ii) Issued at a discount of 10%

(iii) Issued at a premium of 10%

12. (a) Journalise the following transactions at the time of issue of debentures and redemption of debenture.

(i) Debenture issued at Rs. 95, repayable at Rs. 100

(ii) Debenture issued at Rs. 95, repayable at Rs. 105

(iii) Debenture issued at Rs. 105, repayable at Rs. 100

The face value of each debentures Rs. 100.

Or

(b) In 2017 X ltd., redeemed Rs. 1,00,000 preference shares by converting them into equity shares issued at 25% premium. What entries can be made for the redemption by the company?

13. (a) What do you known about proposed dividend?

Or

(b) Define interim dividend.

14. (a) Describe the factors that affect the valuation of goodwill.

Or

(b) B Ltd, has 10,000 equity shares of Rs. 10 each (Rs. 8 paid up) and Rs. 1,00,000, 6% preference shares of Rs. 10 each fully paid. The company has a practice of transferring 20% of the profit to general reserve every year. If the expected profit before tax is Rs. 2,00,000 and the rate of tax is 50%

Calculate the value per equity share.

(Normal rate of dividend is 20%)

15. (a) Define Accounting Standard.

Or

(b) Write note on :

(i) Accounting standard 10

(ii) Accounting standard 29

PART C — (5 × 8 = 40 marks)

Answer ALL questions by choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Kalyan Kumar Co. Ltd was formed with a capital of Rs. 10,00,000 in Rs. 10 shares the whole amount being issued to the public. The underwriting of these shares was as follows :

	Rs.
A	35,000
B	30,000
C	20,000
D	10,000
E	3,000
F	2,000

All the marked application forms were to go in relief of the underwriters whose stamp they bear. The application forms marked by the underwriters were :

	Rs.
A	10,000
B	22,500
C	20,000
D	7,500
E	5,000
F	Nil

Applications for 20,000 shares were received on forms not marked. Draw up a statement showing the number of shares each underwriter had to take up.

Or

(b) What are the conditions for issue of shares at a discount? For what purposes the share premium amount can be used?

17. (a) Give journal entries for the following :

(i) Issue of Rs. 5,00,000, 11% debentures at par and redeemable at par

(ii) Issue of Rs. 5,00,000, 11% debentures at premium 5% and redeemable at par

(iii) Issue of Rs. 5,00,000, 11% debentures at discount of 5% and redeemable at a premium 5%

(iv) Issue of Rs. 5,00,000, 11% debentures at par but repayable at 5% premium.

Or

(b) What entries can be made for the following redemption made by the company?

(i) In 2023 X Ltd., redeemed Rs. 1,00,000 preference shares by converting them into equity shares issued at 25% premium

(ii) In 2024 X ltd., redeemed Rs. 95,000 preference shares by converting them into equity shares issued at 5% discount

(iii) In 2025 X ltd., redeemed Rs. 10,000 preference shares of Rs. 10 each at premium of Rs. 1.25 per share by converting into equity shares of Rs. 10 each issued at 10% discount

18. (a) What are the perquisites included in calculating managerial remuneration?

Or

(b) Give a specimen form of companies profit and loss a/c according to the companies act 2013.

19. (a) The net profit for the five years are :

	Rs.
2011	10,000
2012	15,000
2013	15,000
2014	20,000
2015	30,000

The capital employed in the business is Rs. 1,50,000 and normal rate of return is 10% calculate the value of goodwill on the basis of 4 years purchase of super profit.

Or

(b) What are the factors determining the valuation of shares?

20. (a) Explain the features of International Accounting Standards.

Or

(b) List out any eight Accounting Standards.

(6 pages) Reg. No. : .....

Code No. : 31036 E **Sub. Code : EMCO 32/ EMCR 32/EMPA 32/ EMHO 32/EMBE 32/ FCCO 32/FCCR 32/ FCPA 32/FCHO 32/FCBE 32**

B.Com. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Commerce/Corporate Secretaryship/Professional Accounting/Honours/Banking and E-Commerce

COMPANY LAW

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. What is the definition of a company under the Companies Act, 2013?
   (a) A group of individuals working together for a common cause
   (b) A business entity registered under any law in India
   (c) A body corporate incorporated under the Companies Act, 2013
   (d) An entity formed by an agreement between two individuals

2. A Government company is one in which not less than ———— % of shares must be held by the state or central Government.
   (a) 51% (b) 49%
   (c) 50% (d) 60%

3. The process of incorporation of a company is carried out by ————
   (a) Members (b) Directors
   (c) Promoters (d) Shareholders

4. The Articles of Association needs to be signed by ————
   (a) All proposed directors
   (b) Registrar
   (c) Subscribers of Memorandum
   (d) None of the above

5. Which document is prepared before a meeting to list items to be discussed or acted upon?
   (a) Memo (b) Agenda
   (c) Research report (d) Minutes

6. An auditor is to make a report on the accounts examined by him to the ————————

(a) Directors (b) Managing director

(c) Secretary (d) Shareholders

7. The first directors are appointed by ————————

(a) Members in statutory meeting

(b) Members in the first annual general meeting

(c) By being named in the Articles of Association

(d) Registrar of companies

8. The provisions relating to the establishment of the National Law Tribunal and National Company Law Appellate Tribunal have been introduced in the companies Act by ————————

(a) The Companies (Amendment) Act, 1988

(b) The Companies (Amendment) Act, 2002

(c) The Companies (Second Amendment) Act, 2002

(d) The Companies (Amendment) Act, 2006

9. Winding up of a company may be done by ———————— mode.

(a) Two (b) Three

(c) Four (d) Five

10. Which of the following are considered to just and equitable ground for winding up of a company?

(a) Deadlock in management

(b) Oppression of minority

(c) Quasi partnership

(d) All of the above

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Define a company as per the Companies Act, 2013.

Or

(b) Explain the concept of "Lifting or Piercing the Corporate Veil."

12. (a) What are the documents to be filed with the Registrar for the registration of a company?

Or

(b) Explain the various kinds of share capital.

13. (a) State the objectives of statutory meetings.

Or

(b) What are the consequences of incomplete quorum?

14. (a) Explain the powers of directorships.

Or

(b) How the NCLT is constituted?

15. (a) Explain the steps involved in the process of winding up.

Or

(b) What are the duties of official liquidator?

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Trace the various types of companies.

Or

(b) Discuss the definition of a company under the Companies Act, 2013, and explain its legal status as a separate entity.

17. (a) Elucidate the contents in Articles of Association.

Or

(b) Explain the kinds of Prospectus.

18. (a) Describe the various types of resolutions.

Or

(b) Explain the qualification of Auditors.

19. (a) Briefly explain as to how directors are appointed.

Or

(b) What is appellate tribunal? Write about the constitution, appointment and qualifications of president and members of appellate tribunal.

20. (a) List out the grounds for compulsory winding up.

Or

(b) Who is a company liquidator? Write about the legal provisions regarding removal and appointment of a company liquidator.

———————

(6 pages) **Reg. No. : .....**

Code No. : 31062 E **Sub. Code : ESCO 31/ ESCR 31/ESPA 31/ ESHO 31/ESBF 31/ESBE 31/ FSCO 31/FSCR 31/FSPA 31/ FSHO 31/FSBF 31/FSBE 31**

B.Com. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Commerce/Corporate Secretaryship/Profession Accounting Honours/Banking and Finance/Banking and E-Commerce

Skill Enhancement Course – CLEARING AND FORWARDING IN IMPORT AND EXPORT

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)
Answer ALL questions.
Choose the correct answer :

1. Goods and Services conducted between at least two different countries is ————
   (a) International trade (b) Inland trade
   (c) Whole sale trade (d) Retail trade

2. Internal trade is classified into ———— types
   (a) 4 (b) 3
   (c) 2 (d) 1

3. Goods purchased in foreign country are purchased for the domestic consumption of a country is a known as
   (a) Internal trade (b) Export trade
   (c) Import trade (d) Re Export Trade

4. ———— is a receipt given by the shipping company for receiving goods
   (a) Bill of Exchange (b) Bill of Lading
   (c) Bill of Entry (d) Bill of Purchase

5. ———— is issued by the commanding officer of the ship when the cargo is loaded on the ship
   (a) Letter of Credit (b) Certificate of Origin
   (c) Commercial Invoice (d) None of these

6. ———— is also known as documents of contents
   (a) Proforma invoice (b) Commercial Invoice
   (c) Packing list (d) Bill of exchange

7. The Exim bank of India was established in the year ————————

(a) 1985 (b) 1982

(c) 1986 (d) 2000

8. Imports & Exports (control) Act. come into force in ————————

(a) 1937 (b) 1947

(c) 2000 (d) 1991

9. Import Export code number is to obtained from ————————

(a) Director General of Foreign Trade

(b) Customs Authority

(c) RBI

(d) Central Government

10. The export procedure begins with the ————————

(a) Indent

(b) Commercial Invoice

(c) Shipping Bill

(d) Bill of lading

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Explain the need of International Trade.

Or

(b) Explain different types of International Trade.

12. (a) Write a note on Post Shipment Stage.

Or

(b) Briefly describe the term Bill of Lading.

13. (a) Explain the term Shipping Bill.

Or

(b) What does Freight Forwarding Agent do?

14. (a) Discuss the term Packaging and Labelling.

Or

(b) Explain different types of Freight Transportation.

15. (a) Explain the term EEFC account.

Or

(b) What is Commercial Invoice?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Explain the role and importance of Clearing and Forwarding.

Or

(b) List out the documents required for Clearing and Forwarding.

17. (a) Explain different types of Certificate of Origin.

Or

(b) What are the benefits of ISO 9000 certification?

18. (a) Explain the general Import Procedures.

Or

(b) Explain the term Advance Authorisation Scheme.

19. (a) What are the challenges in the Indian Freight Forwarding sector?

Or

(b) Explain the different payment methods in Export Import trade.

20. (a) Explain different types of Letter of Credit.

Or

(b) Describe the advantages and disadvantages of Letter of Credit.

———————

(6 pages) **Reg. No. :**.....

Code No. : 31051 E **Sub. Code : EECO 33/ FECO 3 C**

B.Com. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Commerce

Elective – E-COMMERCE

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. What is the primary advantage of E-commerce?
   (a) Limited product variety
   (b) Limited accessibility
   (c) High operational cost
   (d) Global reach

2. What is the role of the World Wide Web in E-commerce?
   (a) It acts as a physical store
   (b) It facilitates online transactions
   (c) It restricts user access
   (d) It eliminates product information

3. Which of the following is NOT a major B2B business model?
   (a) Wholesale
   (b) Manufacturer to Retailer
   (c) Consumer to Business
   (d) Distributor

4. What is a major concern for businesses engaging in e-retailing?
   (a) Redundant inventory
   (b) Cyber security threats
   (c) High customer foot traffic
   (d) Excessive paperwork

5. Which factor significantly influences consumer behavior online?
   (a) Brand loyalty
   (b) Geographic location
   (c) In-store promotions
   (d) Personal relationships

6. What does SEO stand for in internet marketing?

(a) Search Engine Optimization

(b) Sales Engagement Online

(c) Social Engagement Optimization

(d) Strategic Email Outreach

7. What is a significant threat in the digital economy related to malicious software?

(a) Encryption (b) Firewalls

(c) Virus (d) Proxy Server

8. Which technology is commonly used to secure online transactions in E- commerce?

(a) HTTP

(b) SSL (Secure Socket Layer)

(c) FTP

(d) SMTP

9. What does ethics in E-commerce primarily deal with?

(a) Website design

(b) Business profitability

(c) Moral principles guiding online business conduct

(d) Marketing strategies

10. What is a primary concern regarding privacy and information rights in E-commerce?

(a) Fast delivery

(b) Secure transactions

(c) Protection of consumer data

(d) Website design

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Answer should not exceed 250 words.

11. (a) Discuss the broad goals of electronic commerce.

Or

(b) Describe the main components of E-commerce.

12. (a) Define E-commerce and explain its significance.

Or

(b) What are the challenges faced by E-retailers.

13. (a) Describe the characteristics of the Internet audience.

Or

(b) Discuss the importance of information-selling on the web.

14. (a) What are the uses of EDI in e-commerce?

Or

(b) What are the types of viruses?

15. (a) Define ethics in the context of E-commerce.

Or

(b) What are the key principles of data privacy laws in relation to E-commerce?

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Answer should not exceed 600 words.

16. (a) Explain the difference between E-commerce and Traditional commerce.

Or

(b) Discuss the impact of E-commerce on traditional retail businesses.

17. (a) Analyze the impact of emerging E-commerce areas on traditional retailing.

Or

(b) Describe the different models of E-retailing.

18. (a) Analyze the impact of social media on consumer behavior for E-commerce businesses.

Or

(b) List and explain the different categories of E-services available to consumers online.

19. (a) Describe the core components of EDI technology.

Or

(b) Describe the different payment methods used in e-commerce transactions.

20. (a) Explain the types of information typically collected at E-commerce websites.

Or

(b) Discuss how social and political factors influence E-commerce regulations.

———————

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Code No. : 31050 E **Sub. Code : EECO 32/ FECO 3 B**

B.Com. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Commerce

Elective — BUSINESS MATHEMATICS AND STATISTICS

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — ($10 \times 1 = 10$ marks)

Answer ALL the questions.

1. $\frac{32^7}{2^3}$ as a power of 2 is

   (a) 2^{32} (b) 2^{23}

   (c) 2^4 (d) none

2. The number of digits in 3^{24} is

   (a) 10 (b) 12

   (c) 11 (d) 15

3. The difference between the simple interest and compound interest on Rs. 1,200 at 10% per annum for 2 years is

   (a) zero (b) 10

   (c) 12 (d) 14

4. The formula for present value of perpetuity is

   (a) $V = pi$ (b) $V = Ai$

   (c) $V = P/i$ (d) $V = A/i$

5. The best measure of central tendency is

   (a) Arithmetic mean

   (b) Geometric mean

   (c) Harmonic mean

   (d) Median

6. The appropriate measure whenever the extreme items are to be disregarded and when the distribution contains indefinite classes at the end is.

   (a) Mean (b) Median

   (c) Mode (d) Quartile deviation

7. The co-efficient of correlation

(a) cannot be positive

(b) cannot be negative

(c) can be either positive or negative

(d) none of these

8. Where r is zero the regression lines cut each other making an angle of

(a) 30° (b) 60°

(c) 90° (d) none of these

9. The best average of construction of index number is

(a) median (b) geometric mean

(c) mode (d) arithmetic mean

10. Which of the following components is used for a short term forecast?

(a) cyclical (b) trend

(c) seasonal (d) none of these

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Find the value of X, if $2^{x+1} + 3.2^{x-3} = 76$.

Or

(b) Simplify $\dfrac{\log 72 - \log 3}{\frac{1}{3}\log 27 + \frac{1}{2}\log 64}$.

12. (a) Calculate the total interest on Rs. 500 for 73 days. Rs. 720 for 14 weeks and on Rs. 900 for 3 months at 6% per annum.

Or

(b) Find the amount for an annuity of Rs. 2,000, a year payable in the beginning of every year, for 10 years at 5% p.a. compounded annually.

13. (a) Find the range of weights of 7 students from the following 27, 30, 35, 36, 38, 40, 43.

Or

(b) 10 students of B.Com class of a college have obtained the following marks in statistics out of 100 marks. Calculate the standard deviation.

S.No	1	2	3	4	5	6	7	8	9	10
Marks :	5	10	20	25	40	42	45	48	70	80

14. (a) Distinguish between correlation and regression.

Or

(b) A random of 5 college students is selected and their grades in mathematics and statistics found to be.

	1	2	3	4	5
Mathematics :	85	60	73	40	90
Statistics :	93	75	65	50	80

Calculate Pearman's rank correlation.

15. (a) Draw a trend line by the method of semi-average.

Year :	2001	2002	2003	2004	2005	2006	2007
Sales ('000')	110	105	115	112	120	118	130

Or

(b) Construct chain index numbers from the link relatives given below.

Year :	2003	2004	2005	2006	2007
Index No :	100	105	95	115	102

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Simplify : $\frac{5^{2x+3}}{25^{3x+2}} \cdot \frac{10^{4x+1}}{16x^{\frac{-1}{2}}}$.

Or

(b) Find the value of $\left(\frac{0.2926}{5.683}\right)$ using logarithm.

17. (a) Find the true discount on a bill of Rs. 5175 due 6 months, if the rate of interest is 7% p.a. Also find out

(i) Banker's discount and

(ii) Banker's gain

Or

(b) The difference between simple interest and CI is Rs. 384.60. No. of years = 4. Rate of Interest = 10%. Find out the sum.

18. (a) Calculate standard deviation from the following :

Marks :	10	20	30	40	50	60
No.of students :	8	12	20	10	7	3

Or

(b) Calculate the median from the following table :

Marks :	10-25	25-40	40-55	55-70	70-85	85-100
Frequency :	6	20	44	26	3	1

19. (a) Calculate the co-efficient of correlation between X and Y series from the following data :

	X series	Y series
No.of pairs of observations :	15	15
Arithmetic mean :	25	18
Standard deviation :	3.01	3.03
Sum of squares of deviation from the arithmetic mean :	136	138

Or

(b) The following table given the age of cars of certain make and annual maintenance cost. Obtain regression equation for costs related to age.

Age of car in years :	2	4	6	8
Maintenance cost :	10	20	25	30

20. (a) The following figures relate to the profits of a commercial concern for 8 years.

Year :	2000	2001	2002	2003	2004
Profit (Rs.) :	15,420	14,470	15,520	21,020	26,120
Year :	2005	2006	2007		
Profit (Rs.) :	31,950	35,370	34,670		

Find the trend of profits by the method of moving averages.

Or

(b) Calculate the three yearly moving average of the following data :

Years :	1998	1999	2000	2001	2002	2003
Students :	15	18	17	20	23	25
Years :	2004	2005	2006	2007		
Students :	29	33	36	40		

(6 pages) **Reg. No. :** .....

Code No. : 30229 E **Sub. Code : EEVS 31/ FEVS 31**

U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2025.

Third Semester

Part — IV

ENVIRONMENTAL STUDIES

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

1. Non-conventional energy sources are those energy sources, that are _____

   (a) Produces from heat

   (b) Produces from electricity

   (c) Non-renewable

   (d) Renewable

2. Which of the following can trigger a landslide?

   (a) An earthquake

   (b) A heavy rainstorm

   (c) Removal of material from the base of a slope

   (d) All of these

3. A food chain consists of

   (a) Producers

   (b) Consumers

   (c) Decomposers

   (d) Producers and Consumer

4. Energy flow in an ecosystem is

   (a) Bidirectional (b) Unidirectional

   (c) Multidirectional (d) All rounds

5. Which is the first project for Wildlife Conservation in India?

   (a) Project Elephant

   (b) Project Tiger

   (c) Project Crocodile

   (d) None of these

6. _____ is an example of an ex-situ conservation.

(a) Sacred groves (b) Wildlife sanctuary

(c) Seed bank (d) National park

7. Montreal protocol is related to the

(a) Food security

(b) Global warming

(c) Sustainable development

(d) Ozone layer depletion

8. Which of the following are the primary causes of water pollution?

(a) Plants (b) Animals

(c) Human activities (d) None of these

9. The Environment Protection Act was passed in

(a) 1984 (b) 1980

(c) 1986 (d) 1981

10. The flood may be caused due to

(a) Breach of dam

(b) Heavy precipitation

(c) Failure of river embankment

(d) All of the above

PART B — (5 × 5 = 25 marks)

Answer ALL the questions, choosing either (a) or (b) answer should not exceed 250 words.

11. (a) What are the Advantages and Disadvantages of Dams?

Or

(b) Discuss the role of individual in conservation of various natural resources.

12. (a) What is the difference between food chain and food web?

Or

(b) Discuss the main features of the desert ecosystem.

13. (a) Give a brief notes on habitat loss in biodiversity.

Or

(b) Describe the various threats to biodiversity.

14. (a) Define soil pollution and its effect.

Or

(b) Write note on Global Warming.

15. (a) What is earth quake. And its causes.

Or

(b) List out the types of Environmental Ethics.

PART C — (5 × 8 = 40 marks)

Answer ALL the questions, choosing either (a) or (b) answer should not exceed 600 words.

16. (a) Explain renewable and non renewable source of energy.

Or

(b) What is a flood? List the to do before, during, and after a Flood.

17. (a) What is ecological succession and its types and add note on causes and importance of the ecological succession?

Or

(b) Explain the Ecological Pyramids and Energy flow in the ecosystem.

18. (a) Differentiate between in-situ and ex-situ conservation of Bio-diversity.

Or

(b) Explain the different biogeographically zones in India.

19. (a) How is climate change connected to Global Warming, Acid Rain and Ozone Layer depletion?

Or

(b) What is Noise Pollution? Add note on causes, effect of human health and prevention of noise pollution?

20. (a) Elucidate the salient features of Environmental Protection Act, 1986.

Or

(b) Explain in detail account on Chipko Environment movements.

———————