1 SEM TDC PSCH (CBCS) C 1

2 0 2 2

(Nov/Dec)

POLITICAL SCIENCE

(Core)

Paper : C–1

(Understanding Political Theory)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Answer the following as directed :   1×8=8

    (a) Who is the author of the book, _De Civitate Dei_ ?

    (b) "Men is born free and everywhere he is in chains." Who said this?

    (c) Who wrote the book, _A Vindication of the Rights of Woman?_

    (d) Who first used the word 'State'?

(Turn Over)

(2)

(e) In which year was the Magna Carta signed?

(f) Who is the exponent of Utilitarianism?

(g) Which day is celebrated as the 'International Day of Democracy' as per the United Nations Declaration?

  (i) March 8

  (ii) September 15

  (iii) November 12

  (iv) December 10

(Choose the correct option)

(h) Which is the only country in the world to have direct democracy?

2. Write short notes on the following (**within 150 words** each) : 4×4=16

(a) Decline of political theory

(b) The concept of 'class struggle'

(c) Patriarchal State

(d) Methods of 'direct democracy'

Answer the following (**within 500 words** each) :

3. Discuss the importance of political theory to the study of Political Science. 12

Or

What is behaviouralism? Mention its main characteristics. 12

P23/96   (Continued)

(3)

4. Define liberalism. Explain the basic tenets of liberalism. 4+7=11

Or

Discuss the various issues relating to multiculturalism in the contemporary times. 11

5. What is Radical feminism? Discuss its core features. 4+7=11

Or

Define post-modernism. Distinguish between modernism and post-modernism. 4+7=11

6. Discuss Marxist critique of citizenship. 11

Or

Define citizenship. Explain the methods of acquiring and losing citizenship. 4+7=11

7. What is deliberative democracy? Critically assess the techniques of deliberative democracy. 4+7=11

Or

Examine the relation between democracy and development in the context of contemporary trends. 11

★ ★ ★

P23—21000/96   1 SEM TDC PSCH (CBCS) C 1

1 SEM TDC PSCH (CBCS) C 2

2 0 2 2

(Nov/Dec)

POLITICAL SCIENCE

(Core)

Paper : C–2

**(Constitutional Government and
Democracy in India)**

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Choose the correct answer : 1×8=8

   (a) Who presided over the first meeting of
   the Constituent Assembly of India?

      (i) Dr. Sachchidananda Sinha

      (ii) Dr. B. R. Ambedkar

      (iii) Dr. Rajendra Prasad

      (iv) Pandit Jawaharlal Nehru

(Turn Over)

(b) Which of the following Constitutions influenced the Constituent Assembly in developing the principle of parliamentary democracy?

(i) Canadian Constitution

(ii) British Constitution

(iii) American Constitution

(iv) French Constitution

(c) An individual can be appointed as a member of the Council of Ministers but he/she has to become a member of either House of the Parliament within a period of

(i) 1 month

(ii) 2 months

(iii) 3 months

(iv) 6 months

(Continued)

(d) The representatives of the States in the Rajya Sabha are elected by which one of the following?

(i) The Chief Minister of the State

(ii) Elected members of the State Legislature

(iii) The Governor of the State

(iv) The President

(e) The age of retirement of the judges of the Supreme Court is

(i) 62 years

(ii) 65 years

(iii) 58 years

(iv) 60 years

(f) Who may act as the President during the absence of the President and the Vice President of India?

(i) The Speaker of the Lok Sabha

(ii) The Prime Minister

(Turn Over)

(iii) The Chief Justice of the Supreme Court

(iv) The Home Minister

(g) Who was the Prime Minister of India when the Emergency Rule, 1975 was proclaimed?

(i) Rajiv Gandhi

(ii) Indira Gandhi

(iii) Morarji Desai

(iv) P. V. Narasimha Rao

(h) In which year was Balwant Rai Mehta Committee formed?

(i) 1957

(ii) 1977

(iii) 1986

(iv) 2011

2. Answer the following (**within 150 words each**) : 4×4=16

   (a) Write about the Gandhian ideology in the Directive Principles of State Policy.

   (b) Examine the legislative powers of the President of India.

   (c) What is judicial activism?

   (d) Point out the major areas of Centre-State tension in India.

3. Write a brief note on the Preamble of the Constitution of India. Discuss its significance in the Constitution. 7+4=11

Or

Discuss the important features of Indian federalism. Is the distribution of power of the Indian Constitution federal? Give reasons. 7+4=11

4. Discuss the emergency powers of the President of India. 11

Or

Discuss the process of legislation in the Indian Parliament. 11

5. What is judicial review? Examine the relevance of the concept of judicial review in the context of constitutional amendment and legislation in India. 4+7=11

Or

Discuss the composition, powers and functions of the Supreme Court of India. 11

6. Examine the legislative relations between Centre and States in India. 11

Or

Discuss the importance of the Sixth Schedule for preserving the interest of the Scheduled Tribes of North-East India. 11

(Continued)

7. Explain the evolution of local self-government in India under the 73rd Constitutional Amendment Act. 12

Or

Discuss the major challenges before decentralization and local government in India. Give the recommendations for the betterment of decentralized system in India. 6+6=12

★ ★ ★

1 SEM TDC ENGH (CBCS) C 1

2 0 2 2

(Nov/Dec)

ENGLISH

(Core)

Paper : C-1

(Indian Classical Literature)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

(Classical Sanskrit Drama)

1. Answer any *one* of the following : 15

   (a) Discuss how Kalidas portrays the emotional farewell of Shakuntala from the hermitage of sage Kanva to King Dushyanta's palace.

   (b) Make a critical assessment of sage Kanva's character.

(c) Write a note on the female characters in *Abhijnana Shakuntalam.*

2. Answer any *one* of the following :   5

   (a) Discuss briefly how Sarngarava and Saradvata tried to convince King Dushyanta to accept Shakuntala as his wife.

   (b) Discuss the events that led to sage Durva cursing Shakuntala.

   (c) Attempt a brief character sketch of Madhavya.

UNIT—II

(Selections from Epic Sanskrit Literature)

3. Answer any *one* of the following :   15

   (a) Make a critical assessment of Karna's character from your reading of *The Mahabharata*

   (b) Discuss the roles played by Lord Krishna and Shakuni in *The Dicing* and in *The Sequel to Dicing.*

   (c) Discuss the events that made Yudhisthira join the game of dice, and relate its disastrous consequences culminating in the Kurukshetra War.

4. Answer any *one* of the following :   5

   (a) Write a note on the role played by Sanjaya in *The Mahabharata*

   (b) How did Krishna try to win ever Karna to the Pandavas? Write in short.

   (c) Attempt a character sketch of Kunti.

UNIT—III

(Sanskrit Drama)

5. Answer any *one* of the following :   15

   (a) Attempt a critical assessment of Vasantasena as a 'New Woman' from your reading of the play, *Mrichchhakatika*

   (b) Discuss the major social issues of contemporary India as depicted by Shudraka in *Mrichchhakatika*

   (c) Discuss *Mrichchhakatika* as a 'Prakarana'.

6. Answer any *one* of the following :   5

   (a) Discuss how the marginalized class is presented in *Mrichchhakatika*

   (b) Attempt a character sketch of Madanika.

   (c) Attempt a short note on the use of humour in *Mrichchhakatika*

(**4**)

UNIT—IV

(**Classical Assamese Drama**)

7. Answer any *one* of the following : 15

(a) What is an Ankiya Naat? How many Ankiya Naats were written by Shankardeva and what were those? Discuss the characteristic features of the Ankiya Naats. 3+3+9=15

(b) Discuss the role played by the following characters in *Parijata Harana* : 5+5+5=15

(i) Narada

(ii) Sachi

(iii) Satyabhama

(c) Discuss how Lord Krishna is presented as an incarnation of Lord Vishnu and also comment on the role played by him as a loving husband in *Parijata Harana.*

8. Answer any *one* of the following : 5

(a) Attempt a brief character sketch of Rukmini.

(b) Attempt a short note on the battle between Krishna and Indra.

(c) Attempt a comparison of Rukmini and Satyabhama from your reading of the play, *Parijata Harana.*

★ ★ ★

1 SEM TDC ENGH (CBCS) C 2

2 0 2 2

(Nov/Dec)

ENGLISH

(Core)

Paper : C–2

(European Classical Literature)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. Answer any *one* of the following :   15

(a) How far is it correct to say that "The author of *The Iliad* interpretes the world by taking the passions of the gods to be the determining factors of what happens on the human level"? Does the statement explain the significance of the Homeric gods in *The Iliad*?

(Turn Over)

(b) How does war bring about honour as well as horror? Discuss with reference to *The Iliad*.

(c) Through the contrasting yet similar careers of Achilles and Hector, discuss the idea of heroism in *The Iliad*.

2. Answer briefly any *one* of the following :   5

(a) Comment on the tension between military defined values and military adventurism in *The Iliad*.

(b) Give a brief sketch on the Funeral Games in *The Iliad*.

(c) Write a brief note on the animal and elemental imagery in *The Iliad*.

UNIT—II

3. Answer any *one* of the following :   15

(a) "Although *Antigone* is given the status of the protagonist of the tragedy, yet Creon remains its central character." Discuss Creon as a classical Aristotelian hero.

(b) Evaluate the conflict between human and divine laws in *Antigone*.

(c) Bring out the part played by the supernatural forces in *Antigone*.

4. Answer briefly any *one* of the following :   5

(a) Write a note on the character and role of the Sentry in *Antigone*.

(b) Comment on the function of the entry-song of the Chorus.

(c) Give a character sketch of Tiresias or Ismene.

UNIT—III

5. Answer any *one* of the following :   15

(a) Discuss *The Pot of Gold* as a satire on avarice and miserliness.

(b) How does *The Pot of Gold* shed light on the position of women in society, particularly with reference to the system of dowry? Give instances to substantiate your answer.

(c) Enumerate the social and moral contents of the play, *The Pot of Gold*.

6. Answer briefly any *one* of the following :   5

(a) Write a short note on the role of the Plebeian in *The Pot of Gold*.

(b) Comment on the comedy arising from Euclio's dealings with the slave in *The Pot of Gold*.

(c) What are Megadorus's views on the subject of marriage?

UNIT—IV

7. Answer any *one* of the following :   15

(a) Discuss Philomela's creative act of weaving her story in a tapestry as a form of resistance in Ovid's *Metamorphoses*, Bk–VI.

(b) Examine the responses of everyone, including the victim, with respect to the rape of Philomela.

(c) In *Satire 1.4*, Horace credits his father for the lack of 'the acid of malevolence', in his writing. How was his father responsible for his training and education?

8. Answer briefly any *one* of the following :   5

(a) Comment on the role of the Furies in the decidedly inauspicious description of the wedding between Tereus and Procne.

(b) Comment on the theme of lust in the story of Philomela.

(c) Analyze the influence of Lucilius on Horace.

★ ★ ★

1 SEM TDC ASMH (CBCS) C 1

2 0 2 2

(Nov/Dec)

ASSAMESE

(Core)

Paper : C–1

(অসমীয়া সাহিত্যৰ বুৰঞ্জী–১)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

১। চমু উত্তৰ দিয়াঁ :   ১×৮=৮

(ক) অসমীয়া সাহিত্য বুৰঞ্জী এখনৰ নাম লিখাঁ ।

(খ) ‘চিকন সৰিয়হৰ গীত’ কোন শ্ৰেণীৰ মালিতা ?

(গ) ‘শূন্য পুৰাণ’ কাৰ ৰচনা ?

(ঘ) হৰিবৰ বিপ্ৰ কোন যুগৰ কবি ?

(ঙ) মাধৱদেৱে 'ৰামায়ণ'ৰ কোনটো কাণ্ড অনুবাদ কৰিছিল ?

(চ) 'উষা পৰিণয়' কোনে ৰচনা কৰিছিল ?

(ছ) বুৰঞ্জী সাহিত্য কোন যুগৰ সাহিত্য ?

(জ) ৰঘুনাথ মহন্তৰ এখন কাব্যৰ নাম লিখাঁ ।

২। (ক) অসমীয়া সাহিত্যৰ যুগ-বিভাজন কৰোঁতাসকলৰ নাম উল্লেখ কৰাঁ । সেইসকলৰ কোনজনৰ যুগ-বিভাজন তুমি যুক্তিসংগত বুলি ভাবা, যুক্তি দৰ্শাই আলোচনা কৰাঁ ।

৩+১২=১৫

অথবা

(খ) সত্যেন্দ্ৰনাথ শৰ্মাৰ মতামতৰ আধাৰত অসমীয়া সাহিত্যৰ যুগ-বিভাজন সম্পৰ্কে এটি আলোচনা যুগুত কৰাঁ ।   ১৫

৩। (ক) লোকগীতৰ বৈশিষ্ট্যসমূহ উল্লেখ কৰি অসমীয়া সমাজত প্ৰচলিত অনুষ্ঠানমূলক লোকগীতসমূহৰ এটি পৰিচয়সূচক আলোচনা যুগুত কৰাঁ ।   ৪+১০=১৪

অথবা

(খ) প্ৰাক্ অসমীয়া সাহিত্য বুলিলে কি বুজা ? প্ৰাক্ অসমীয়া সাহিত্যৰ নিদৰ্শন হিচাপে 'চৰ্যাপদ'ৰ বিষয়ে এটি আলোচনা দাঙি ধৰাঁ ।   ৪+১০=১৪

৪। (ক) প্ৰাক্-শঙ্কৰী যুগৰ শ্ৰেষ্ঠ কবিজনাৰ পৰিচয় দাঙি ধৰি তেওঁৰ সাহিত্যিক অৱদানৰ বিষয়ে এটি প্ৰবন্ধ যুগুত কৰাঁ ।   ৩+১২=১৫

অথবা

(খ) হেম সৰস্বতীৰ কাব্যকৃতি সম্পৰ্কে এটি টোকা প্ৰস্তুত কৰাঁ ।   ১৫

৫। (ক) পীতাম্বৰ কবিৰ কাব্য-প্ৰতিভা সম্পৰ্কে এটি আলোচনা যুগুত কৰাঁ ।   ১২

অথবা

(খ) 'শঙ্কৰী যুগৰ সাহিত্যৰ বৈশিষ্ট্য' শীৰ্ষক এটি আলোচনা যুগুত কৰাঁ ।

৬। চমু টোকা লিখাঁ (যি কোনো দুটা) :   ৮×২=১৬

(ক) চৰিত সাহিত্য

(খ) ব্যৱহাৰিক জ্ঞানৰ সাহিত্য

(গ) ভট্টদেৱৰ গদ্য সাহিত্য

(ঘ) ৰামায়ণী সাহিত্য

★★★

1 SEM TDC ASMH (CBCS) C 2

2 0 2 2

(Nov/Dec)

ASSAMESE

(Core)

Paper : C–2

(অসমীয়া সাহিত্যৰ বুৰঞ্জী–২)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

১। চমু উত্তৰ দিয়া (যি কোনো আঠোটা) : ১×৮=৮

(ক) 'ন.ল.ফ.' নামেৰে পৰিচিত 'অৰুণোদই যুগ'ৰ লেখকজনৰ সম্পূৰ্ণ নামটো কি ?

(খ) 'অসমীয়া ল'ৰাৰ মিত্ৰ' কাৰ ৰচনা ?

(গ) 'অঃ ভাঃ উঃ সাঃ সঃ'ৰ প্ৰতিষ্ঠা কোন চনত হৈছিল ?

(Turn Over)

(ঘ) 'ফুলৰ চাকি' কাব্যগ্ৰন্থখনৰ কবি কোন ?

(ঙ) কবি যতীন্দ্ৰনাথ দুৱৰাই কোনখন কাব্যগ্ৰন্থৰ বাবে 'সাহিত্য অকাদেমি বঁটা' লাভ কৰিছিল ?

(চ) 'আৱাহন' কাকতৰ প্ৰতিষ্ঠাপক সম্পাদক কোন আছিল ?

(ছ) 'ডাৱৰ আৰু নাই'ৰ ঔপন্যাসিকজনৰ নাম কি ?

(জ) গল্পকাৰ, ঔপন্যাসিক শীলভদ্ৰৰ প্ৰকৃত নামটো লিখাঁ ।

(ঝ) 'শিয়ালী পালেগৈ ৰতনপুৰ'ৰ লেখক কোন ?

(ঞ) 'ৰূপৰ টিলিঙৰ মাত' কবিতা-পুথিৰ কবিজনৰ নাম লিখাঁ ।

২। (ক) আধুনিক অসমীয়া সাহিত্য প্ৰতিষ্ঠাত 'অৰুণোদই' কাকতৰ ভূমিকা সম্পৰ্কে এটি আলোচনা আগবঢ়োৱাঁ ।   ১২

অথবা

(খ) অসমীয়া ভাষা-সাহিত্যলৈ 'অৰুণোদই যুগ'ৰ লেখক আনন্দৰাম ঢেকিয়াল ফুকনৰ অৱদান সম্পৰ্কে এটি আলচ যুগুত কৰাঁ ।

৩। (ক) আধুনিক ভাষা-সাহিত্যৰ বিকাশত হেমচন্দ্ৰ বৰুৱাৰ অৱদান সম্পৰ্কে আলোচনা কৰাঁ ।   ১৬

অথবা

(খ) অসমীয়া ভাষা-সাহিত্যলৈ গুণাভিৰাম বৰুৱাৰ বৰঙণি সম্পৰ্কে এটি টোকা প্ৰস্তুত কৰাঁ ।

(Continued)

৪। (ক) 'জোনাকী' কাকতক কেন্দ্ৰ কৰি অসমীয়া সাহিত্যত কিদৰে এটা নতুন যুগৰ সূচনা হ'ল সেই প্ৰসংগত এটি বিশ্লেষণ আগবঢ়োৱাঁ ।   ১৫

অথবা

(খ) 'জোনাকী যুগ'ৰ এগৰাকী বিশিষ্ট লেখক হিচাপে লক্ষ্মীনাথ বেজবৰুৱাৰ বৰঙণি সম্পৰ্কে আলোচনা আগবঢ়োৱাঁ ।   ৩+১২=১৫

৫। (ক) 'ৰামধেনু যুগ'ৰ অসমীয়া চুটিগল্পৰ বৈশিষ্ট্যৰাজিৰ উল্লেখ কৰি এটি আলোচনা আগবঢ়োৱাঁ ।   ১৪

অথবা

(খ) 'ৰামধেনু যুগ'ৰ অসমীয়া সাহিত্যৰ পটভূমি সম্পৰ্কে আলোচনা কৰাঁ ।

৬। (ক) যুদ্ধোত্তৰ যুগৰ বিশিষ্ট কবি হিচাপে নীলমণি ফুকনৰ কবিতা সম্পৰ্কে এটি প্ৰবন্ধ লিখাঁ ।   ১৫

অথবা

(খ) সাম্প্ৰতিক অসমীয়া শিশু-সাহিত্যৰ বিকাশত শিশু-আলোচনীৰ ভূমিকা সম্পৰ্কে আলোচনা কৰাঁ ।

★★★

1 SEM TDC HISH (CBCS) C 1

2 0 2 2

(Nov/Dec)

HISTORY

(Core)

Paper : C–1

(History of India—I)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions in *one* word
   or in *one* sentence each :   1×8=8

   (a) Who engraved the *Hathigumpha Pillar*
   inscription?

   (b) What is *Carbon-14*?

   (c) What is the full meaning of the Latin
   word 'Homo sapiens'?

   (d) Which age is known as *Microlithic Age*?

(e) Mention a characteristic of hunter-gatherer societies.

(f) Where is the ancient settlement *Amri* situated?

(g) What is the meaning of Mohenjo-daro?

(h) What is the full form of NBPW?

2. Write short notes on any *three* of the following :   4×3=12

(a) *Puranas*

(b) Cave paintings of *Bhimbetka*

(c) Palaeolithic culture

(d) *Burial system* of Harappan Civilization

(e) The *status of women* in ancient Tamil society

3. Give a brief description on 'the importance the archaelogical sources of Ancient India'.   12

Or

Review the 'modern principle of purposive approach of interpretation' with special reference to gender and environment.

4. Give a brief account on the 'characteristics of hunter-gatherer societies'.   12

Or

Describe the 'main characteristic features of Mesolithic Age in India'.

5. Why is 'Neolithic Age considered as marking a revolution in man's life'? Discuss in detail.   12

Or

Write an essay on 'the advent of food production in the Neolithic Age'.

6. Narrate the 'main features of town planning of Indus Valley Civilization'.   12

Or

What was the 'importance of agricultural and craft production in Harappan economy'?

7. Discuss about the 'Painted Grey Ware (PGW) culture'.   12

Or

Describe briefly the features of the 'Megalithic Culture of India'.

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1 SEM TDC HISH (CBCS) C 2

2 0 2 2

(Nov/Dec)

HISTORY

(Core)

Paper : C–2

**(Social Formation and Cultural Patterns
of Ancient World)**

Full Marks : 80
Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following in *one* word or in *one* sentence each : 1×8=8

   (a) Which Age was known as Epipaleolithic?

   (b) What was the title of the kings of Egypt?

   (c) What is Mastaba?

   (d) Who called himself as the God of Akkad?

(Turn Over)

(e) What was Shangdi?

(f) Who was the author of the book, *Works and Days*?

(g) Who said that slavery was a natural evil?

(h) What was Eisphora?

2. Write short notes on any *three* of the following :   4×3=12

   (a) Aurignacian culture

   (b) Religious system of Ancient Egypt

   (c) Minoan art and architecture

   (d) Ancient Greek colonies in the Aegean Sea

   (e) Greek architecture

3. Briefly discuss the history of Animal Husbandry. What was its impact?   8+4=12

   Or

   Write a note on the Mesolithic culture.   12

4. Discuss the features of the Sumerian Civilization.   12

   Or

   Write a note on the Phoenician Civilization.

(Continued)

5. Discuss the advent of the Iron Age in Anatolia.   12

   Or

   What were the implications of the advent of iron in the ancient world?

6. How were the slaves treated in Greek society? Compare the condition of the slaves in Athens and Sparta.   8+4=12

   Or

   Briefly discuss the role of slavery in Ancient Greek society and economy.   6+6=12

7. Discuss the administrative system of Sparta.   12

   Or

   Give an account of the growth of literature and drama in Ancient Greece.

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1 SEM TDC ECOH (CBCS) C 1

2 0 2 2

(Nov/Dec)

ECONOMICS

(Core)

Paper : C–1

(Introductory Microeconomics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer the following as directed :   1×8=8

    (a) The rational consumers, producers and workers make the optimum choices or decisions on the basis of the _____ principle.

        (Fill in the blank)

(b) What is rationing?

(c) The quantity demanded of a Giffen good varies _____ with price.

(i) indirectly

(ii) directly

(iii) independently

(iv) All of the above

(Choose the appropriate answer)

(d) The cross-elasticity of demand estimates the proportionate relationship between

(i) quantity demanded of a commodity and the price of its related commodity

(ii) quantity demanded of a commodity and its price

(iii) quantity demanded of a commodity and the income of its purchaser

(iv) None of the above

(Choose the appropriate answer)

(e) For perfect complementarity between two goods X and Y

(i) MRS_{XY} will be zero

(ii) MRS_{YX} will be zero

(iii) MRS_{XY} and MRS_{YX} both will be zero

(iv) None of the above

(Choose the appropriate answer)

(f) With which of the following is the concept of MC closely related to?

(i) Variable cost

(ii) Fixed cost

(iii) Opportunity cost

(iv) Economic cost

(Choose the appropriate answer)

(g) What is antitrust policy?

(h) When is there imperfect competition in the factor market?

(i) VMP = MRP

(ii) VMP > MRP

(iii) VMP < MRP

(iv) None of the above

(Choose the appropriate answer)

2. Write short notes on any *four* of the following (**within 150 words** each) :   4×4=16

(a)   Goals of macroeconomics

(b)   Individual demand and market demand

(c)   Budget constraint

(d)   Diseconomies of scale

(e)   Shift of input demand curve

Answer the following questions (**within 500 words** each) :

3. (a)   What is microeconomics? Explain the following using suitable diagrams :
                               2+3+3+4=12

(i)   Micro-statistics

(ii)   Micro-comparative statistics

(iii)   Micro-dynamics

Or

(b)   (i)   Examine the role of assumption in model building.   4

(ii)   Write a note on command and free market economic system.   4

(iii)   Explain the uses of graphs in economics.   4

4. (a)   Explain with the proper diagrams, the effect of the following changes on the equilibrium prices and quantity demanded of a commodity :   4+3+4=11

(i)   Changes in the income of consumer

(ii)   Equal changes in demand and supply

(iii)   Unfavourable changes in the taste of buyer of the commodity

Or

(b)   What do you mean by price control? Explain the effect of taxation on consumer surplus, producer surplus and on the efficiency of the market.
                               3+8=11

5. (a)   Write the assumptions of indifference curve analysis. Explain with the help of indifference curve, how a consumer determines optimal choices.   4+7=11

Or

(b) Define income effect and substitution. Explain the income effect in case of normal inferior and Giffen goods with the help of suitable diagram. 2+3+3+3=11

6. *(a)* Explain why the short-run AC and long-run AC curves are U-shaped. Why is LAC curve flatter than SAC? Why is LAC curve called as envelope curve?

4+4+3=11

Or

(b) What are the basic objectives of a firm? Discuss how a firm maximizes its profit under perfect competition in short run and long run. 2+9=11

7. *(a)* What are the basic characteristics of input market? Explain the derivation of input demand curve—

   (i) when a firm employs one variable factor of production;

   (ii) when a firm employs two variable inputs of production in short run and long run. 3+4+4=11

Or

(b) What are the firms' profit maximizing condition in input markets? How is equilibrium of a firm determined in the labour market in the short run and long run? 3+8=11

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1 SEM TDC ECOH (CBCS) C 2

2 0 2 2

(Nov/Dec)

ECONOMICS

(Core)

Paper : C–2

(Mathematical Methods for Economics—I)

Full Marks : 80
Pass Marks : 32

Time : 3 hours

The figures in the margin indicate full marks
for the questions

1. Choose the correct option : 1×8=8

   (a) If $A = \{0, 2, 4, 6, 8\}$ and $B = \{2, 6, 4, 0, 8\}$, then

   (i) $A = B$ (ii) $A \neq B$

   (iii) $A \geq B$ (iv) $A \leq B$

   (b) The symbol used to denote null set is

   (i) ϕ (ii) ψ

   (iii) ω (iv) χ

(c) If $n = 2$, the below polynomial function
$f(x) = a_0 + a_1 x + a_2 x^2 + a_3 x^3 + \cdots + a_n x^n$
will be known as

(i) constant function

(ii) linear function

(iii) quadratic function

(iv) cubic function

(d) $\dfrac{d}{dx}(10 + 5x^2)2x^3 =$

(i) $60x^2 + 50x^4$

(ii) $60x^3 + 50x^4$

(iii) $60x^2 + 50x^3$

(iv) $20x^3 + 10x^5$

(e) The correct relationship among average revenue (AR), marginal revenue (MR) and elasticity of demand is

(i) $e_d = \dfrac{AR}{AR - MR}$

(ii) $e_d = \dfrac{MR}{AR - MR}$

(iii) $e_d = \dfrac{AR}{MR - AR}$

(iv) $e_d = \dfrac{MR}{MR - AR}$

(Continued)

(f) $\int e^x dx =$

(i) e^x (ii) $e^x + c$

(iii) $\log e + c$ (iv) $x + c$

(g) $\int_1^5 3x^2 \, dx =$

(i) 134   (ii) 124

(iii) 114   (iv) 104

(h) A function is said to be continuous at a point $x = a$, if

(i) $\lim\limits_{x \to a} f(x)$ exist

(ii) $\lim\limits_{x \to a} f(x)$ exist and $\lim\limits_{x \to a} f(x) = f(a)$

(iii) $\lim\limits_{x \to a} f(x) = f(a)$

(iv) None of the above

2. Answer any *four* of the following :   4×4=16

(a) If $A = \{3, 7, 5, 9\}$ and $B = \{1, 3, 6, 7\}$, then find the union and intersection of sets A and B.

(b) From the given total cost (TC) function, find the average cost (AC), average variable cost (AVC), average fixed cost (AFC) and marginal cost (MC) :

$$TC = \frac{1}{3}Q^3 + 7Q^2 + 13Q + 237$$

(Turn Over)

(c) The total revenue (R) of a firm per day is a function of its daily sells (Q) :

$$R = 20 + 5Q$$

The firm sells maximum 50 units of output per day. What are domain and range of the revenue function?

(d) Check whether the following function

$$y = \frac{x^2 - 4x + 4}{(x - 2)}$$

is continuous at point $x = 2$.

(e) Calculate the elasticity of supply of the following function when price (P) = 10 :

$$S = -100 + 2P$$

3. (a) (i) Given $A = \{4, 5\}$, $B = \{3, 6, 7\}$ and $C = \{2, 3\}$. Verify the associative law of set operations. 4

(ii) Among 120 college students, 75 students like to play cricket and 65 students like to play football. If each student likes to play at least one of the two games, how many students would like to play both cricket and football? 4

(iii) Define variables, constants and parameters with example. 3

Or

(b) (i) In case of ordered pair $(a, b) \neq (b, a)$ unless $a = b$. Explain. 3

(Continued)

(ii) If

$A = \{a, b, c, d, x, y\}$ and $B = \{b, d, x, y\}$ then find $A - B$ and $B - A$. 4

(iii) Define the following with examples : 4

(1) Equivalent set

(2) Disjoint set

(3) Universal set

(4) Finite set

4. (a) (i) Draw the graph of the following function : 3

$$y = |x| + 2$$

(ii) Write short notes on constant function and logarithmic function. 4

(iii) Find the sum of squares of first 9 natural numbers. 4

Or

(b) (i) Illustrate the concept of limit of a function. Evaluate the limit of the function

$$\lim_{x \to 7} \frac{x^2 - 16}{x + 4}$$ 3+4=7

(ii) What do you understand by sequences and series? Give examples. 4

(Turn Over)

5. (a) (i) Find the derivative of the following function using product rule of differentiation : 3

$$y = (9x^2 - 2)(3x + 1)$$

(ii) Consider the demand function $q = 500 - 10p$. Compute the price elasticity of demand when $p = 30$. 4

(iii) Given the total cost (C) function of a firm as follows

$$C = 10000 + 100Q - 10Q^2 + \frac{1}{3}Q^3$$

Find the level of output at which marginal cost is equal to average variable cost. 4

Or

(b) (i) A consumer has a following utility function

$$U = f(Q) = aQ^b, \text{ where } a > 0; b < 1$$

Show that the utility function display diminishing marginal utility. 4

(ii) Given the consumption function $C = C(Y) = 100 + 0 \cdot 6Y$, where Y is income. Find the marginal propensity to consume (mpc) and marginal propensity to save (mps). 3

(Continued)

(iii) A firm has the following total revenue (TR) and total cost (TC) functions :

$$TR = 1200Q - 2Q^2$$
$$TC = Q^3 - 61 \cdot 25Q^2 + 1528 \cdot 5Q + 2000$$

Calculate the profit maximizing output and the maximum profit. 4

6. (a) (i) Evaluate : 3

$$\int 8e^{2x+3}\, dx$$

(ii) Derive the total cost function from the given marginal cost function :

$$MC = 2x^2 - 3\sqrt{x} + 4$$

when the total fixed cost is 200. 4

(iii) Find out the point elasticity of demand from the following marginal revenue function :

$$MR = 20 - 0 \cdot 2Q, \text{ when } Q = 5$$ 4

Or

(b) (i) Find the consumption function when $MPC = 0 \cdot 5 - \frac{1}{\sqrt{Y}}$ with aggregate consumption 100 when income is zero. 3

(ii) Determine the increase in the total revenue from the following marginal revenue function when sale increases from 8 to 12 : 4

$$MR = 30 - 4Q$$

(Turn Over)

(iii) Find the consumer surplus from the following demand function when market price (P) is 12 : 4

$$Q = \sqrt{(60 - 2P)}$$

7. (a) (i) Explain the role of differential equation in economic applications. 4

(ii) Examine the following market model for stability : 8

$$Q_d = 14 - 3P$$
$$Q_s = -10 + 2P$$
$$\frac{dP}{dt} = 4(Q_d - Q_s)$$

Or

(b) (i) Solve the differential equation 4

$$\frac{dy}{dx} + 8y = 4 \quad \text{when } y(0) = 2$$

(ii) In reference to the following differential equation, explain a standard first-order linear differential equation with constant coefficient and constant term :

$$\frac{dy}{dx} + u(x)y = v(x)$$

What is a homogeneous linear differential equation? Give example. 8

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1 SEM TDC EDNH (CBCS) C 1

2 0 2 2

(Nov/Dec)

EDUCATION

(Core)

Paper : C-1

(Philosophical Foundation of Education)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions :   1×8=8

   (a) "Education is the creation of a sound mind in a sound body." Who said this?

   (b) What is the narrow meaning of education?

   (c) What is the etymological word of philosophy?

   (d) Mention one feature of Indian philosophy.

(Turn Over)

(e) Who is the writer of *Yoga Sutra?*

(f) Write one supporter of naturalism.

(g) Who wrote the book, *Emile* ?

(h) Write a general principle of curriculum construction.

2. Write short notes on the following :   4×5=20

   (a) Individual aims of elementary education

   (b) Philosophy and aims of education

   (c) Eightfold Path of Buddhist philosophy

   (d) Idealism and aim of education

   (e) Activity-centred curriculum

3. What are the scopes of education? Discuss briefly the functions of education.   5+5=10

4. What is the meaning of philosophy of education? Write the nature and scope of philosophy of education.   2+4+4=10

5. What is Advaita Vedanta? Discuss briefly the educational implications of Vedanta philosophy.   4+7=11

Or

What are the basic features of Yoga philosophy? Discuss the impact of Indian schools of philosophy in present system of education in India.   4+7=11

6. What is pragmatism? Discuss the basic principle of pragmatism.   3+7=10

Or

What is naturalism? Discuss the contribution of naturalism in the field of education.   3+7=10

7. Write the meaning and objectives of cocurricular activities. Explain the differences between syllabus and curriculum.   2+3+6=11

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1 SEM TDC EDNH (CBCS) C 2

2 0 2 2

(Nov/Dec)

EDUCATION

(Core)

Paper : C–2

(Sociological Foundation of Education)

Full Marks : 80
Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following questions :   1×8=8

    (a) "Educational Sociology is the study of interaction of the individual and his cultural environment." Who said this?

    (b) Mention one difference between Sociology and Educational Sociology.

    (c) State one process of socialization.

    (d) Write one factor that promotes social mobility.

(Turn Over)

(e) What are the two types of culture?

(f) What is meant by economic development?

(g) Write any one characteristic of democracy.

(h) What are the meanings of the words 'demos' and 'kratos'?

2. Write short notes on the following :   4×5=20

   (a) Need of sociological approach in education

   (b) Education and social stratification

   (c) Role of education in cultural change

   (d) Social disadvantages in Indian society

   (e) Nature of education in democracy

3. What is Educational Sociology? Write the nature and characteristics of Educational Sociology.   2+4+4=10

Or

What is Educational Sociology? Discuss the functions of Educational Sociology.   2+8=10

4. Write the meaning of social mobility. Discuss any two types of social mobility. Explain the role of education in social mobility.   2+4+4=10

5. What is meant by social change? Mention four characteristics of social change. Discuss any three factors of social change.   2+2+6=10

Or

Discuss the relationship between Education and Social Change.   10

6. What is social group? Write four characteristics of social group. Differentiate between primary and secondary group.   2+3+6=11

7. Discuss the role of education in inculcating democratic values.   11

Or

Discuss the importance of secular education in the context of present Indian society.   11

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