

Computer Based Examination System

Exported On *	2021/12/18 23:46:21
Title *	Question Paper Answer Key
OES Exam *	GPSC07202111 / Assistant Professor in Pharmacology / Completed / 2021-12-18

1	Question Description	Phocomelia indicates
	A	Enlarged head
	B	Enlargement of liver
	C	Protrusion of eye balls
	D	Sealed hands and limbs
	E	None of the above
	Correct Answer	D
	Marks	1

2

Question Description	Which of the following is used as skeletal muscle relaxant
A	Propranolol
B	Adrenaline
C	Chloroquine
D	Curarine
E	None of the above
Correct Answer	D
Marks	1

3

Question Description	Roxatidine acts by blocking _____
A	H1 histamine receptor
B	H2 histamine receptor
C	H3 histamine receptor
D	H4 histamine receptor
E	None of the above
Correct Answer	B
Marks	1

4	Question Description	Drugs producing effect through Ion channel receptor produce their effect in
	A	Milli seconds
	B	Minutes
	C	Hours
	D	Weeks
	E	None of the above
	Correct Answer	A
	Marks	1

5	Question Description	A gene labelled <i>inh A</i> which encodes for a fatty acid synthase enzyme, is the target for
	A	Rifampin
	B	Ethambutol
	C	Isoniazid
	D	Pyrazinamide
	E	None of the above
	Correct Answer	C
	Marks	1

6	Question Description	Sodium cromoglycate belongs to the class of _____
	A	Directly acting bronchodilator
	B	Mast cell stabilizer
	C	Beta-2 sympathomimetic
	D	Anticholinergic
	E	None of the above
	Correct Answer	B
	Marks	1

7	Question Description	Acetazolamide is used as
	A	Antiglaucomatic
	B	Urinary alkalizer
	C	Antiepileptic
	D	All the above
	E	None of the above
	Correct Answer	D
	Marks	1

8	Question Description	Which of the following is a folate antagonist used as an anti-cancer drug?
	A	Methotrexate
	B	Paclitaxel
	C	Cisplatin
	D	Busulfan
	E	None of the above
	Correct Answer	A
	Marks	1

9	Question Description	Followings are bronchodilators, EXCEPT:
	A	Bambuterol
	B	Doxophylline
	C	Tiotropium bromide
	D	Ketotifen
	E	None of the above
	Correct Answer	D
	Marks	1

10	Question Description	Morphine is contraindicated in patients with head injuries because
	A	It is liable to cause addiction
	B	It can cause constipation
	C	It can raise intracranial tension
	D	It does not relieve the pain of head injury
	E	None of the above
	Correct Answer	C
	Marks	1

11	Question Description	Oral sulphonyl urea used in diabetes mellitus is
	A	Metformin
	B	Gliclazide
	C	Phenformin
	D	Sulphasomidine
	E	None of the above
	Correct Answer	B
	Marks	1

12	Question Description	Gray baby syndrome is adverse effect of -----
	A	Tetracycline
	B	Penicillin
	C	Chloramphenicol
	D	Kanamycin
	E	None of the above
	Correct Answer	C
	Marks	1

13	Question Description	One of the following drugs is used in trigeminal neuralgia
	A	Phenytoin
	B	Trimethadione
	C	Diazepam
	D	Pentazocine
	E	None of the above
	Correct Answer	A
	Marks	1

14	Question Description	Cardiac glycoside used in CCF is
	A	Emetin
	B	Neostigmine
	C	Digoxin
	D	Colchicine
	E	None of the above
	Correct Answer	C
	Marks	1

15	Question Description	The class of drugs which suppress the cough centre is also called as _____
	A	Demulcents
	B	Prokinetics
	C	Expectorants
	D	Antitussive
	E	None of the above
	Correct Answer	D
	Marks	1

16	Question Description	Which prostaglandin analogue that reduces gastric acid secretion and used as anti-ulcer drug?
	A	Calcium carbonate
	B	Mifepristone
	C	Misoprostol
	D	Magaldrate
	E	None of the above
	Correct Answer	C
	Marks	1

17	Question Description	Chlorpromazine is used for
	A	treatment of Intractable hiccough
	B	Hypertension
	C	producing anorexia
	D	inducing Local anaesthesia
	E	None of the above
	Correct Answer	A
	Marks	1

18	Question Description	Following is used as antiplatelet drug
	A	Warfarin
	B	Phenindione
	C	Aspirin
	D	Protamine
	E	None of the above
	Correct Answer	C
	Marks	1

19	Question Description	The route of administration of Heparin is
	A	Parenteral
	B	Sublingual
	C	Oral
	D	Inunction
	E	None of the above
	Correct Answer	A
	Marks	1

20	Question Description	The term bioavailability refers to the
	A	correlation between the physicochemical properties of a drug and its gastric absorption
	B	Measurement of the rate and amount of therapeutically active drug that reaches the systemic circulation
	C	Movement of drug into the body tissues over time
	D	Dissolution of a drug in the gastrointestinal tract
	E	None of the above
	Correct Answer	B
	Marks	1

21	Question Description	Which of the following is a leukotriene antagonist?
	A	Zafirlukast
	B	Hydrocortisone
	C	Omalizumab
	D	Fluticasone propionate
	E	None of the above
	Correct Answer	A
	Marks	1

22	Question Description	One of the following gland has both exocrine and endocrine functions
	A	Pituitary
	B	Thymus
	C	Pancreas
	D	Liver
	E	None of the above
	Correct Answer	C
	Marks	1

23	Question Description	Metoclopramide acts through _____
	A	Dopamine receptor
	B	Serotonin receptor
	C	Both dopamine and serotonin receptor
	D	Neither dopamine nor serotonin receptor
	E	None of the above
	Correct Answer	C
	Marks	1

24	Question Description	Which of the following drug is added to levodopa therapy of Parkinsonism to attenuate the 'wearing off' effect
	A	Trihexyphenidyl
	B	Amantadine
	C	Selegiline
	D	Carbidopa
	E	None of the above
	Correct Answer	C
	Marks	1

25	Question Description	Indinavir is a
	A	Non-nucleoside reverse transcriptase inhibitor
	B	Nucleoside reverse transcriptase inhibitor
	C	Nucleotide reverse transcriptase inhibitor
	D	Protease inhibitor
	E	None of the above
	Correct Answer	D
	Marks	1

26	Question Description	Cotrimoxazole is a fixed dose combination of _____
	A	Trimethoprim and sulfadiazine
	B	Trimethoprim and sulfamethoxazole
	C	Tetracycline and sulfamethoxazole
	D	Tetracycline and sulfadiazine
	E	None of the above
	Correct Answer	B
	Marks	1

27	Question Description	Morphine affords symptomatic relief of dyspnoea in acute left ventricular failure by the following mechanism except
	A	Depression vasomotor centre
	B	Reduction in cardiac preload
	C	Bronchodilatation
	D	Histamine release
	E	None of the above
	Correct Answer	C
	Marks	1

28	Question Description	Gingival hyperplasia, hirsutism, and Osteomalacia are adverse effects associated with the use of
	A	Minoxidil
	B	Phenytoin
	C	Chlorpromazine
	D	Ciprofloxacin
	E	None of the above
	Correct Answer	B
	Marks	1

29	Question Description	Which one of the following is NOT an example of an mTOR inhibitor?
	A	Everolimus
	B	Tacrolimus
	C	Temsirolimus
	D	Sirolimus
	E	None of the above
	Correct Answer	B
	Marks	1

30	Question Description	Which of the following drugs used as a postcoital contraceptive?
	A	Triamterene
	B	Mifepristone
	C	Gossypol
	D	Clomiphene
	E	None of the above
	Correct Answer	B
	Marks	1

31	Question Description	Celecoxib is a
	A	Selective imidazole receptor (I_1) agonist
	B	Selective MAO-A inhibitor
	C	Selective COX-2 inhibitor
	D	Selective renin inhibitor
	E	None of the above
	Correct Answer	C
	Marks	1

32	Question Description	Which of the following drug is ulcer protective?
	A	Tinidazole
	B	Metronidazole
	C	Sucralfate
	D	Amoxicillin
	E	None of the above
	Correct Answer	C
	Marks	1

33	Question Description	Antibiotic with antitumor activity used in cancer is
	A	Mitomycin
	B	Neomycin
	C	Kanamycin
	D	Gentamycin
	E	None of the above
	Correct Answer	A
	Marks	1

34	Question Description	Raviparin acts in the body to
	A	Regulate menstrual activity
	B	Prevent blood clot formation
	C	Inhibit thyroid function
	D	Inhibit viral replication
	E	None of the above
	Correct Answer	B
	Marks	1

35	Question Description	A 70 kg woman was administered 1000 mg of drug as i.v bolus. After its uniform distribution in the body, the plasma concentration of the drug was found to be 50 mg/L. What is its volume of distribution?
	A	70L
	B	500L
	C	20L
	D	0.1L
	E	None of the above
	Correct Answer	C
	Marks	1

36	Question Description	Vasodilator that increases coronary blood flow is
	A	Propranolol
	B	Timolol
	C	Adrenaline
	D	Verapamil
	E	None of the above
	Correct Answer	D
	Marks	1

37	Question Description	Which of the following has been found to act as a male contraceptive without affecting libido and potency
	A	Cyproterone
	B	Gossypol
	C	Centchroman
	D	Goserelin
	E	None of the above
	Correct Answer	B
	Marks	1

38	Question Description	Which of the following is a directly acting muscle relaxant?
	A	dantrolene
	B	phenytoin
	C	diazepam
	D	hydralazine
	E	None of the above
	Correct Answer	A
	Marks	1
39	Question Description	The mechanism of action of vincristine and vinblastine is...
	A	Inhibition of topoisomerase
	B	Inhibition of tyrosine protein kinase
	C	DNA alkylation
	D	Microtubule damage
	E	None of the above
	Correct Answer	D
	Marks	1

40	Question Description	The analeptics are
	A	Respiratory stimulant
	B	Respiratory depressant
	C	Respiratory decongestant
	D	Respiratory inhibitor
	E	None of the above
	Correct Answer	A
	Marks	1

41	Question Description	Which of the following is a tetracyclic antidepressant that has additional dopamine D2 receptor blocking and neuroleptic properties, as well as a greater tendency to cause seizures in overdose
	A	Dothiepin
	B	Doxepin
	C	Trazodone
	D	Amoxapine
	E	None of the above
	Correct Answer	D
	Marks	1

42	Question Description	A partial agonist displays intermediate effectiveness between the agonist and antagonist because it has
	A	High affinity but a low intrinsic activity
	B	No affinity and low intrinsic activity
	C	High affinity and high intrinsic activity
	D	Low affinity but a high intrinsic activity
	E	None of the above
	Correct Answer	A
	Marks	1

43	Question Description	Which of the following NSAIDs is contraindicated in machinery operators, drivers, psychiatric patients, people with epilepsy, kidney disease?
	A	Indomethacin
	B	Diclofenac Sodium
	C	Ketorolac
	D	Nimesulide
	E	None of the above
	Correct Answer	A
	Marks	1

44	Question Description	Which of the following is a macrolide antibiotic?
	A	Erythromycin
	B	Tobramycin
	C	Minocycline
	D	Imipenem
	E	None of the above
	Correct Answer	B
	Marks	1

45	Question Description	Which of the following is a calcineurin inhibitor?
	A	Azathioprine
	B	Prednisolone
	C	Cyclosporine
	D	Methotrexate
	E	None of the above
	Correct Answer	C
	Marks	1

46	Question Description	The biological half-life of a drug (first order kinetics) is represented by
	A	1/K
	B	log K
	C	0.693/K
	D	2.303/K
	E	None of the above
	Correct Answer	C
	Marks	1

47	Question Description	Which of the following metabolite is responsible for haemorrhagic cystitis
	A	Acroline
	B	Aldophosphamide
	C	Cyclophosphamide
	D	Mesna
	E	None of the above
	Correct Answer	A
	Marks	1

48	Question Description	Valproic acid is used in
	A	Hypertension
	B	Convulsions
	C	Tuberculosis
	D	CNS depression
	E	None of the above
	Correct Answer	B
	Marks	1

49	Question Description	Which of the following drug is irritant purgative
	A	Liquid paraffin
	B	Castor oil
	C	Milk of magnesia
	D	Isphagula
	E	None of the above
	Correct Answer	B
	Marks	1

50

Question Description	The mechanism of action of Sildenafil is
A	Inhibition of Phosphodiesterase-3
B	Inhibition of Phosphodiesterase-6
C	Inhibition of Phosphodiesterase-5
D	Inhibition of Phosphodiesterase-4
E	None of the above
Correct Answer	C
Marks	1

51

Comprehension

Read the following passage and answer the questions below:

Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company programmes have sought the socialisation of the newcomers, the younger the better. The training is highly specific and those who receive it, have neither the capacity nor the incentive to quit. The prevailing belief says Imai, is that management should be born out of experiences and many years of efforts and not learnt from educational institutions. A 1960s survey of Japanese senior executives confirmed that a majority (54%) believed that management capabilities can be attained only on the job and not in universities. However, this view seems to be changing: the same survey revealed that even as early as 1960, 37% of senior executives felt that the universities should teach integrated professional management.

Question Description

From the options provided below, select the one which indicates the shortcomings of the in-company

A

It is too specific to capacitate or incentivise to move to other avenues

B

it is obtained on the job, not in the educational institutions/universities

C

it seeks socialization of the preferably young newcomers

D

it is obtained after years of experience /effort

E

None of the above

Correct Answer

A

Marks

1

52

Comprehension

Read the following passage and answer the questions below:

Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company programmes have sought the socialisation of the newcomers, the younger the better. The training is highly specific and those who receive it, have neither the capacity nor the incentive to quit. The prevailing belief says Imai, is that management should be born out of experiences and many years of efforts and not learnt from educational institutions. A 1960s survey of Japanese senior executives confirmed that a majority (54%) believed that management capabilities can be attained only on the job and not in universities. However, this view seems to be changing: the same survey revealed that even as early as 1960, 37% of senior executives felt that the universities should teach integrated professional management.

Question Description

Arrange the following statements in their logical order so as to read like an integral argument:

- i. The socialization of the newcomers entails hand-on experiences and long effort
- ii. Japanese Corporates trust their own in-company training for their business executives
- iii. It is widely believed that managerial capabilities can be built only on the job and not in the business schools.
- iv. A shortcoming of this process is that the training is often too precise for wider application and greener pastures.

A (i); (ii); (iii); and (iv)

B (iii); (ii); (i); and (iv)

C (ii); (iii); (i); and (iv)

D (ii); (iii); (iv); and (i)

E None of the above

Correct Answer C

Marks 1

Comprehension

Read the following passage and answer the questions below:

Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company programmes have sought the socialisation of the newcomers, the younger the better. The training is highly specific and those who receive it, have neither the capacity nor the incentive to quit. The prevailing belief says Imai, is that management should be born out of experiences and many years of efforts and not learnt from educational institutions. A 1960s survey of Japanese senior executives confirmed that a majority (54%) believed that management capabilities can be attained only on the job and not in universities. However, this view seems to be changing: the same survey revealed that even as early as 1960, 37% of senior executives felt that the universities should teach integrated professional management.

Question Description

Read the following statements carefully and state whether they are true or false:

- i. Japanese corporates had preferred their own in-company programmes over business schools for the development of their future executives.
- ii. However, there are signs that this has slowly begun to change

A Statement (i) is true but statement (ii) is false

B Statement (i) is false but statement (ii) is true

C Statements (i) and (ii) are both true

D Statements (i) and (ii) are both false

E None of the above

Correct Answer C

Marks 1

54

Comprehension

Read the following passage and answer the questions below:

Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company programmes have sought the socialisation of the newcomers, the younger the better. The training is highly specific and those who receive it, have neither the capacity nor the incentive to quit. The prevailing belief says Imai, is that management should be born out of experiences and many years of efforts and not learnt from educational institutions. A 1960s survey of Japanese senior executives confirmed that a majority (54%) believed that management capabilities can be attained only on the job and not in universities. However, this view seems to be changing: the same survey revealed that even as early as 1960, 37% of senior executives felt that the universities should teach integrated professional management.

Question Description

“Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives”.

The above statement implies that the Japanese Corporates are

A

inclined towards some local or foreign business schools

B

hardly interested in the development of their future executives

C

not interested in trained business executives

D

gradually revising their view of business schools

E

None of the above

Correct Answer

D

Marks

1

55

Comprehension

Read the following passage and answer the questions below:

Until recently, Japanese corporates have not been interested in using either local or foreign business schools for the development of their future executives. Their in-company programmes have sought the socialisation of the newcomers, the younger the better. The training is highly specific and those who receive it, have neither the capacity nor the incentive to quit. The prevailing belief says Imai, is that management should be born out of experiences and many years of efforts and not learnt from educational institutions. A 1960s survey of Japanese senior executives confirmed that a majority (54%) believed that management capabilities can be attained only on the job and not in universities. However, this view seems to be changing: the same survey revealed that even as early as 1960, 37% of senior executives felt that the universities should teach integrated professional management.

Question Description

From the options provided below, identify the one that is farthest in meaning to the term “incentive” as it is used in the passage

A

demotion

B

discouragement

C

deterrent

D

inducement

E

None of the above

Correct Answer

C

Marks

1

56	Question Description	Which nation has announced the boycott of the 2022 Winter Olympics in Beijing?
	A	Japan
	B	India
	C	US
	D	Germany
	E	None of the above
	Correct Answer	C
	Marks	1
57	Question Description	Cyclone Jawad, which has been in discussion, will hit Odisha, Andhra Pradesh and West Bengal, which country has named it?
	A	India
	B	Saudi Arabia
	C	Myanmar
	D	Pakistan
	E	None of the above
	Correct Answer	B
	Marks	1

58

Question Description	Washing soda is the common name for
A	Sodium carbonate
B	Calcium bicarbonate
C	Sodium bicarbonate
D	Calcium carbonate
E	None of the above
Correct Answer	A
Marks	1

59

Question Description	Ajaz Patel became 3rd Bowler to take 10 Wickets in an Innings, he hails from which country?
A	India
B	England
C	Sri Lanka
D	New Zealand
E	None of the above
Correct Answer	D
Marks	1

60	Question Description	The International Civil Aviation Day is being celebrated on which date?
	A	December 05
	B	December 07
	C	December 04
	D	December 06
	E	None of the above
	Correct Answer	B
	Marks	1

61	Question Description	Where is the Railway Staff College located?
	A	Pune
	B	Allahabad
	C	Vadodara
	D	Delhi
	E	None of the above
	Correct Answer	C
	Marks	1

62	Question Description	The gas usually filled in the electric bulb is
	A	nitrogen
	B	hydrogen
	C	carbon dioxide
	D	oxygen
	E	None of the above
	Correct Answer	A
	Marks	1
63	Question Description	Who is the new Twitter CEO?
	A	Nikesh Arora
	B	George Kurian
	C	Parag Aggarwal
	D	Sundar Pichai
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	The world's first floating city is proposed to be developed in which country?
	A	Australia
	B	Netherlands
	C	France
	D	South Korea
	E	None of the above
	Correct Answer	D
	Marks	1

65	Question Description	'Vijay Stambha' is situated in
	A	Jaipur
	B	Agra
	C	Delhi
	D	Chittor
	E	None of the above
	Correct Answer	D
	Marks	1

66	Question Description	Look at this series: 0.15, 0.3, ____, 1.2, 2.4, What number should fill the blank?
	A	4.8
	B	0.006
	C	0.6
	D	0.9
	E	None of the above
	Correct Answer	C
	Marks	1
67	Question Description	<p>Find the statement that must be true according to the given information.</p> <p>Rajiv is twelve years old. For three years, he has been asking his parents for a dog. His parents have told him that they believe a dog would not be happy in an apartment, but they have given him permission to have a bird. Rajiv has not yet decided what kind of bird he would like to have.</p>
	A	Rajiv parents like birds better than they like dogs.
	B	Rajiv does not like birds.
	C	Rajiv and her parents live in an apartment.
	D	Rajiv and her parents would like to move.
	E	None of the above
	Correct Answer	C
	Marks	1

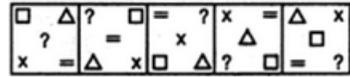
68	Question Description	Look at this series: 664, 332, 340, 170, ____, 89, ... What number should fill the blank?
	A	85
	B	97
	C	109
	D	178
	E	None of the above
	Correct Answer	D
	Marks	1

69	Question Description	<p>You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Statement: Should all the drugs patented and manufactured in Western countries be first tried out on sample basis before giving licence for sale to general public in India?</p> <p>Arguments:</p> <p>I. Yes. Many such drugs require different doses and duration for Indian population and hence it is necessary.</p> <p>II. No. This is just not feasible and hence cannot be implemented.</p> </div>
	A	Only argument I is strong
	B	Only argument II is strong
	C	Either I or II is strong
	D	Neither I nor II is strong
	E	None of the above
	Correct Answer	A
	Marks	1

Question Description

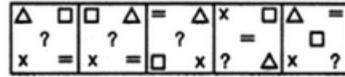
Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures:



(A) (B) (C) (D) (E)

Answer Figures:



(1) (2) (3) (4) (5)

A

1

B

2

C

3

D

4

E

None of the above

Correct Answer

B

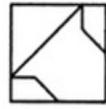
Marks

1

71

Question Description

Find out the alternative figure which contains figure (X) as its part.



(X)



(1)

(2)

(3)

(4)

A

1

B

2

C

3

D

4

E

None of the above

Correct Answer

D

Marks

1

72

Question Description

In each question below is given a statement followed by three assumptions numbered I, II and III. You have to consider the statement and the following assumptions, decide which of the assumptions is implicit in the statement and choose your answer accordingly.

Statement: "If you are intelligent, we are the right people for improving your performance." - An advertisement of a coaching institute.

Assumptions:

- I. Brilliant students prefer to join coaching classes.
- II. Coaching classes help the students to improve their performance.
- III. No other institute provides such coaching.

A

Only I and II are implicit

B

Only II and III are implicit

C

Only I and III are implicit

D

All are implicit

E

None of the above

Correct Answer

A

Marks

1

73

Question Description

Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.

SLAPSTICK : LAUGHTER

A

genre : mystery

B

satire : anger

C

mimicry : tears

D

horror : fear

E

None of the above

Correct Answer

D

Marks

1

74

Question Description	Oar is to rowboat as foot is to
A	running
B	sneaker
C	skateboard
D	jumping
E	None of the above
Correct Answer	C
Marks	1

75

Question Description	Which word does NOT belong with the others?
A	guitar
B	flute
C	violin
D	cello
E	None of the above
Correct Answer	B
Marks	1